



# 3503

# 3703

## COMPACT EXCAVATORS

### **3503 Serial Number Range**

Engine Tier I Models: AD00001 to AE01552

Engine Tier II Models: AD01553 to AE02832

Engine Tier III Models: AG00593 and up

### **3703 Serial Number Range**

Engine Tier I Models: AD00001 to AE01553

Engine Tier II Models: AD01554 to AE02799

Engine Tier III Models: AG00580 and up

## PARTS MANUAL

**Revision G - 01/09**

## PART #918049



Mustang Manufacturing Company, Inc.

## INTRODUCTION

When ordering service parts, specify the correct part number, full description, quantity required, the unit model number and serial number. For your safety and continued proper operation, use only genuine MUSTANG service parts.

The model and serial number for this unit are on a tag located on a panel on the front of the cab.

“Right” and “left” are determined from a position sitting on the operator’s seat and facing forward.

MUSTANG Manufacturing Company reserves the right to make changes or improvements in the design or construction of any part of the unit without incurring the obligation to install such changes on any previously delivered units.

Refer to the abbreviations table located on this page for special parts descriptions. Standard attaching hardware torque values are also provided near the back of this manual. Metric torque values shown in the illustrations are in Newton-meters and are converted to foot-pounds by multiplying by 0.738.

Specific reference numbers, indicating a complete assembly, are circled in some illustrations. A small bag, pictured in some illustrations, indicates a seal kit (seals, o-rings, etc.). In the exploded view parts list, additional information may follow the Reference Number.

Serial number breaks are indicated as follows:

- (SN 999 and before) - indicates serial numbers up to and including 999.
- (SN 1000 - 2000) - indicates serial numbers between 1000 and 2000.
- (SN 999 and up) - indicates serial numbers including 999 and after.

Serial number exceptions and inclusion are indicated as follows:

- (SN 999 and before except 997) - indicates serial numbers up to and including 999, EXCEPT 997.
- (SN 1000 - 2000 except 1996 including 997) - indicates serial numbers between 1000 and 2000, INCLUDING 997 EXCEPT 1996.

- (SN 2001 and up including 1996) - indicates serial numbers including 2001 and after, INCLUDING 1996.

Unless otherwise specified, all cap screws and bolts are Grade 8.8, cadmium or zinc plated.

**NOTE:** *The following abbreviations may be used herein:*

|             |                                |
|-------------|--------------------------------|
| ASSD.....   | Assembled                      |
| ASSY.....   | Assembly                       |
| AR .....    | As Required                    |
| CB.....     | Carriage Bolt                  |
| CP .....    | Cotter Pin                     |
| CS .....    | Cap Screw (Hexagon Head)       |
| CYL .....   | Cylinder                       |
| DIA.....    | Diameter                       |
| DIN.....    | Deutsches Institut für Normung |
| FHCS.....   | Flat Head Cap Screw            |
| GR .....    | Grade                          |
| HB .....    | Hex Bolt                       |
| HLN.....    | Hex Lock Nut                   |
| HN .....    | Hex Nut                        |
| HP .....    | High Pressure                  |
| HYD .....   | Hydraulic                      |
| INS .....   | Insert                         |
| LH.....     | Left Hand                      |
| LN.....     | Lock Nut                       |
| LT .....    | Left                           |
| LW .....    | Lock Washer                    |
| M .....     | Meter or Meters                |
| MM/mm ..... | Millimeter                     |
| NPT.....    | National Pipe Threaded         |
| NSS.....    | Not Sold Separately            |
| RH .....    | Right Hand                     |
| RT .....    | Right                          |
| SHCS.....   | Socket Head Cap Screw          |
| SLTD .....  | Slotted                        |
| SN.....     | Serial Number or Slotted Nut   |
| SQ.....     | Square                         |
| W/ .....    | With                           |
| W/O .....   | Without                        |
| ZO.....     | Zinc Oxide                     |
| ZY.....     | Zinc Yellow                    |

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# DECAL LOCATIONS

## GENERAL INFORMATION

Decal location information is provided to assist in the proper selection and application of new decals, in the event the original decals become damaged or the machine is repainted. The listing includes decal illustration reference number, part number, description and quantity information. Refer to the illustrations for appropriate replacement locations.

To ensure proper selection of the correct replacement decals, compare all of the various closeup location drawings to the machine before starting to refinish the unit. Then circle each decal shown

(applicable to the machine) while checking off its part number in the listing. After verifying all the decals needed for replacement, place any extra unnecessary decals aside for disposal.

**NOTE:** *Refer to the SAFETY chapter of the Operator's Manual for the specific information provided on the various safety decals furnished in the decal kit(s).*

# DECAL LOCATIONS

## NEW DECAL APPLICATION

Surfaces **MUST** be free from dirt, dust, grease and other foreign material before applying the new decal. To apply, remove the smaller portion of the decal backing paper and apply this part of the exposed adhesive backing to the clean surface while maintaining proper position and alignment. Peel the other portion of the backing paper off slowly while applying hand pressure to smooth out the decal surface.



## CAUTION

**ALWAYS** follow safety precautions on decals. Replace the decals if they are damaged, or if the unit is repainted. If repainting, **BE SURE** all applicable decals are affixed to the unit.

### PAINT NOTICE

Use this list to order paint for refinishing:

|               |                                                     |
|---------------|-----------------------------------------------------|
| <b>167784</b> | <b>4 qts. Construction Yellow (MUSTANG)</b>         |
| <b>167778</b> | <b>4 qts. Light Gray (MUSTANG)</b>                  |
| <b>167772</b> | <b>4 qts. Dark Gray (MUSTANG)</b>                   |
| <b>167785</b> | <b>6 (12.8 oz. Spray Cans) Yellow (MUSTANG)</b>     |
| <b>167773</b> | <b>6 (12.8 oz. Spray Cans) Dark Gray (MUSTANG)</b>  |
| <b>167779</b> | <b>6 (12.8 oz. Spray Cans) Light Gray (MUSTANG)</b> |

The Compact Excavator decal kit is as follows:

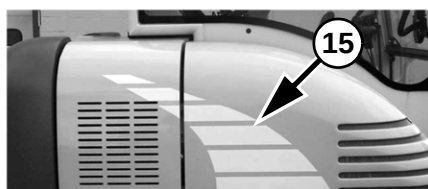
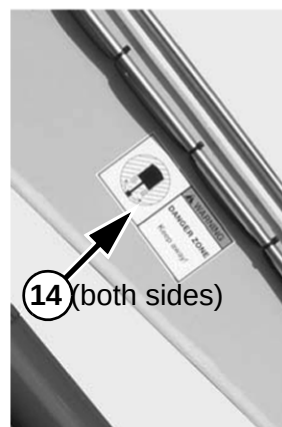
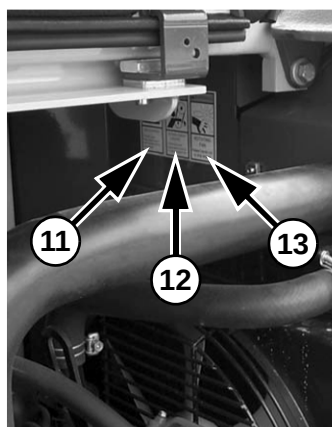
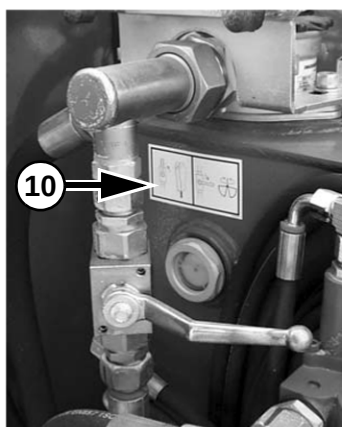
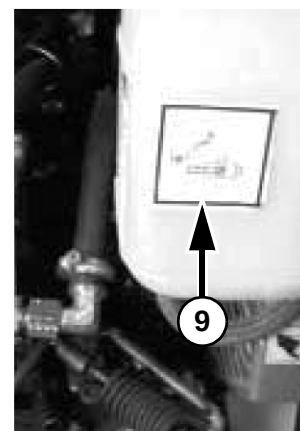
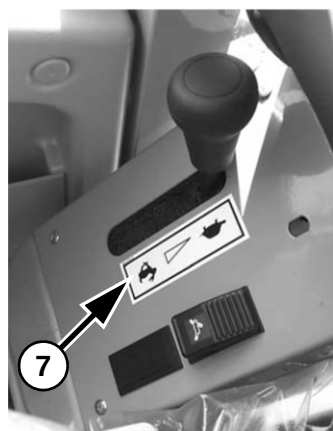
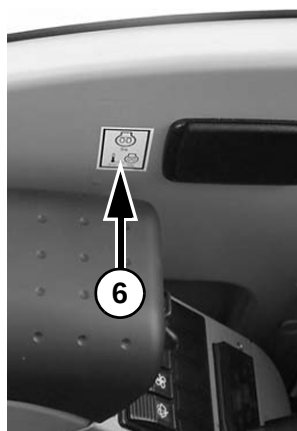
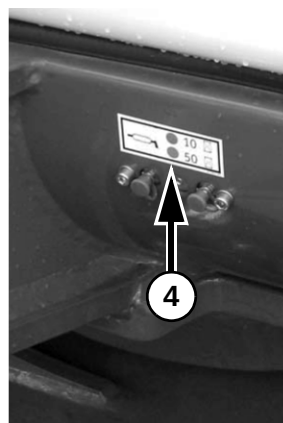
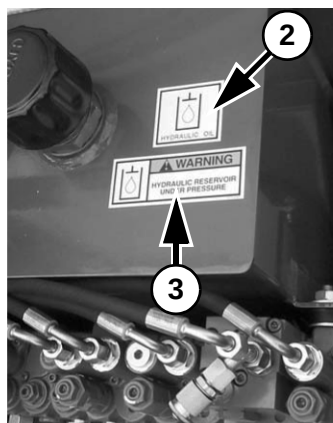
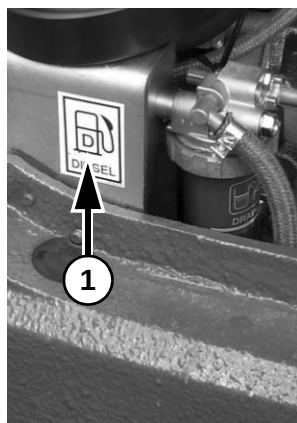
| Ref. No. | Part No. | Description                           | Qty. |
|----------|----------|---------------------------------------|------|
|          | 163990   | Decal Kit - ME3503                    | 1    |
|          | 163991   | Decal Kit - ME3703                    | 1    |
| 1        | 161965   | Diesel Fuel                           | 1    |
| 2        | 161966   | Hydraulic Oil                         | 1    |
| 3        | 161969   | WARNING - Hydraulic Reservoir         | 1    |
| 4        | 161967   | Lubrication                           | 1    |
| 5        | 161986   | WARNING - Read Manual                 | 1    |
| 6        | 165906   | Glow Plug                             | 1    |
| 7        | 163974   | Throttle Speed                        | 1    |
| 8        | 164854   | WARNING - Avoid Injury                | 1    |
| 9        | 161968   | Heater Valve (cab models only)        | 1    |
| 10       | 179730   | Bypass Ball Valve                     | 1    |
| 11       | 163978   | WARNING - Hot Surface                 | 1    |
| 12       | 163977   | WARNING - Entanglement Hazard         | 1    |
| 13       | 161987   | WARNING - Rotating Fan                | 1    |
| 14       | 161985   | WARNING - Keep Away                   | 2    |
| 15       | 163993   | Graphic RT                            | 1    |
| 16       | 165907   | Graphic LT                            | 1    |
| 17       | 164853   | Engine Compartment Latch              | 1    |
| 18       | 162832   | Hydraulics Compartment Latch          | 1    |
| 19       | 163979   | ISO/SAE Valve Position                | 1    |
| 20       | 203786   | 3503 Lifting Capacity*                | 1    |
|          | 203799   | 3703 Lifting Capacity**               | 1    |
| 21       | 161981   | Lift Point                            | 4    |
| 22       | 161982   | Tiedown Point                         | 4    |
| 23       | 161970   | Arrow                                 | 2    |
| 24       | 163975   | WARNING - Avoid Injury                | 2    |
| 25       | 179704   | WARNING - Counterweight               | 2    |
| 26       | 163973   | WARNING - Mandatory Shutdown          | 1    |
| 27       | 163976   | WARNING - Avoid Injury                | 1    |
| 28       | 162452   | Joystick Control RT                   | 1    |
| 29       | 162450   | Travel LT                             | 1    |
| 30       | 162451   | Travel RT                             | 1    |
| 31       | 162453   | Joystick Control LT                   | 1    |
| 32       | 179687   | Dozer Blade Control                   | 1    |
| 33       | 165900   | Cabin Tilt Control**                  | 4    |
| 34       | 137571   | MUSTANG (4.64" x 26.08")              | 1    |
| 35       | 270244   | MUSTANG (3.61" x 20.29") <sup>c</sup> | 3    |
| 36       | 164993   | ME3503 <sup>a</sup>                   | 2    |
|          | 164994   | ME3703 <sup>b</sup>                   | 2    |
| 37       | 202458   | MUSTANG (2.31" x 13")                 | 1    |

<sup>a</sup> Used on ME3503 model only.

<sup>b</sup> Used on ME3703 model only.

<sup>c</sup> Two used on cab models, three on canopy models.

## DECAL LOCATIONS



## DECAL LOCATIONS

**NOTE:** The following is a duplicate listing from page 4 for conveniently selecting decals from the appropriate illustrations.

The Compact Excavator decal kit is as follows:

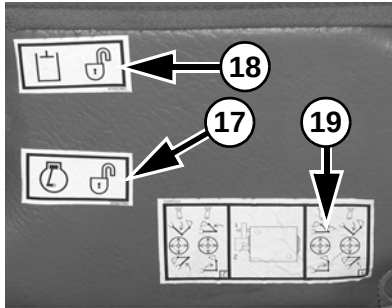
| Ref. No. | Part No. | Description                           | Qty. |
|----------|----------|---------------------------------------|------|
|          | 163990   | Decal Kit - ME3503                    | 1    |
|          | 163991   | Decal Kit - ME3703                    | 1    |
| 1        | 161965   | Diesel Fuel                           | 1    |
| 2        | 161966   | Hydraulic Oil                         | 1    |
| 3        | 161969   | WARNING - Hydraulic Reservoir         | 1    |
| 4        | 161967   | Lubrication                           | 1    |
| 5        | 161986   | WARNING - Read Manual                 | 1    |
| 6        | 165906   | Glow Plug                             | 1    |
| 7        | 163974   | Throttle Speed                        | 1    |
| 8        | 164854   | WARNING - Avoid Injury                | 1    |
| 9        | 161968   | Heater Valve (cab models only)        | 1    |
| 10       | 179730   | Bypass Ball Valve                     | 1    |
| 11       | 163978   | WARNING - Hot Surface                 | 1    |
| 12       | 163977   | WARNING - Entanglement Hazard         | 1    |
| 13       | 161987   | WARNING - Rotating Fan                | 1    |
| 14       | 161985   | WARNING - Keep Away                   | 2    |
| 15       | 163993   | Graphic RT                            | 1    |
| 16       | 165907   | Graphic LT                            | 1    |
| 17       | 164853   | Engine Compartment Latch              | 1    |
| 18       | 162832   | Hydraulics Compartment Latch          | 1    |
| 19       | 163979   | ISO/SAE Valve Position                | 1    |
| 20       | 203786   | 3503 Lifting Capacity*                | 1    |
|          | 203799   | 3703 Lifting Capacity**               | 1    |
| 21       | 161981   | Lift Point                            | 4    |
| 22       | 161982   | Tiedown Point                         | 4    |
| 23       | 161970   | Arrow                                 | 2    |
| 24       | 163975   | WARNING - Avoid Injury                | 2    |
| 25       | 179704   | WARNING - Counterweight               | 2    |
| 26       | 163973   | WARNING - Mandatory Shutdown          | 1    |
| 27       | 163976   | WARNING - Avoid Injury                | 1    |
| 28       | 162452   | Joystick Control RT                   | 1    |
| 29       | 162450   | Travel LT                             | 1    |
| 30       | 162451   | Travel RT                             | 1    |
| 31       | 162453   | Joystick Control LT                   | 1    |
| 32       | 179687   | Dozer Blade Control                   | 1    |
| 33       | 165900   | Cabin Tilt Control**                  | 4    |
| 34       | 137571   | MUSTANG (4.64" x 26.08")              | 1    |
| 35       | 270244   | MUSTANG (3.61" x 20.29") <sup>c</sup> | 3    |
| 36       | 164993   | ME3503 <sup>a</sup>                   | 2    |
|          | 164994   | ME3703 <sup>b</sup>                   | 2    |
| 37       | 202458   | MUSTANG (2.31" x 13")                 | 1    |

<sup>a</sup> Used on ME3503 model only.

<sup>b</sup> Used on ME3703 model only.

<sup>c</sup> Two used on cab models, three on canopy models.

## DECAL LOCATIONS



353  
ME3503

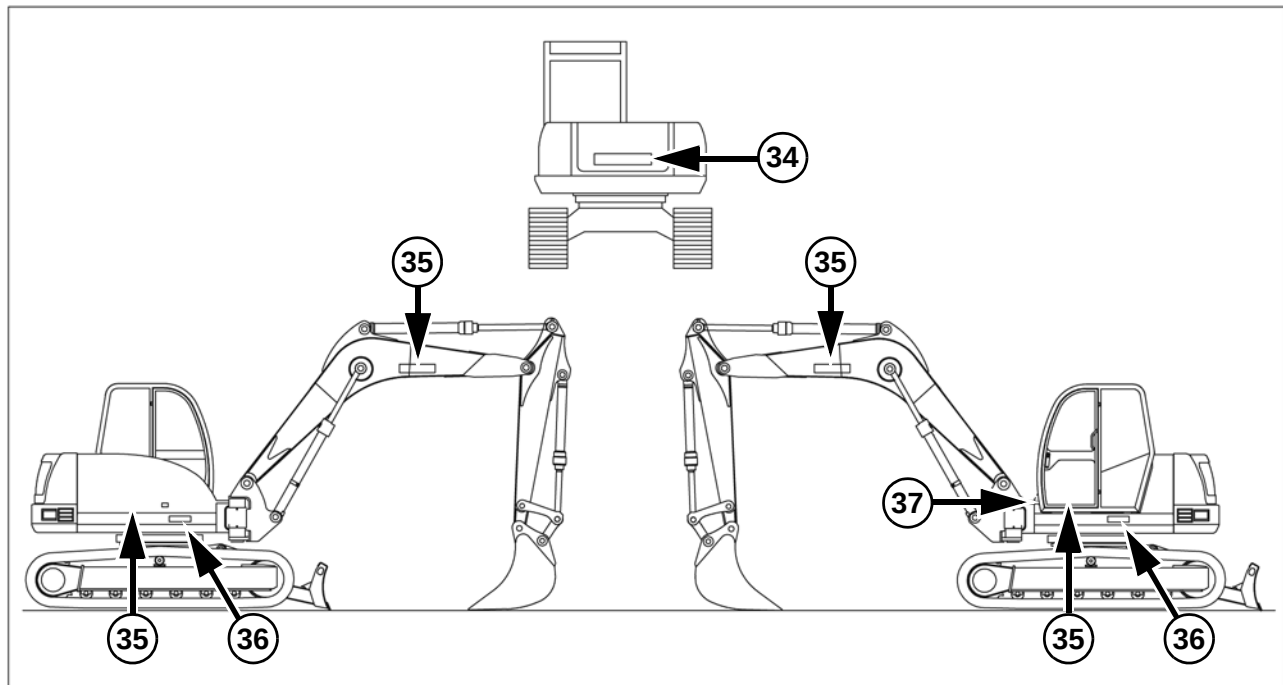
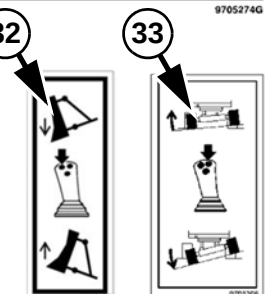
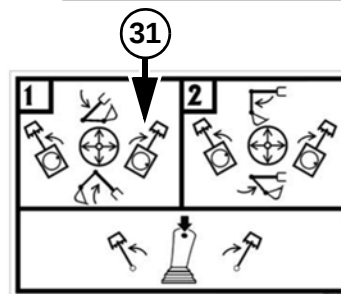
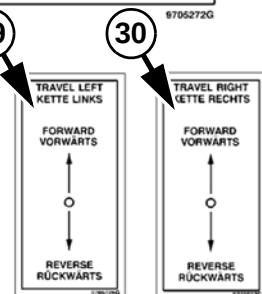
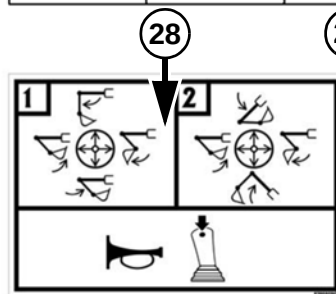
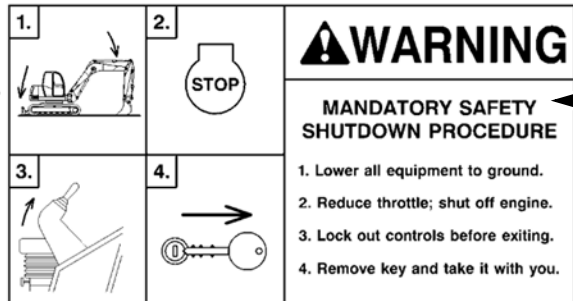
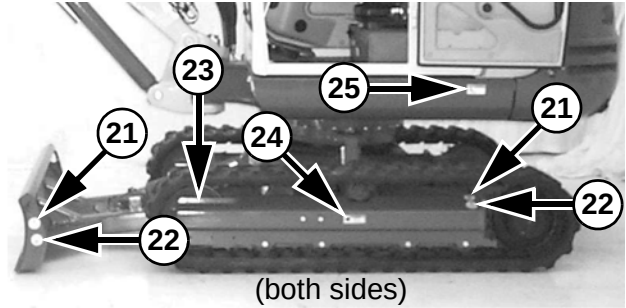
LIFTING CAPACITY ISO 10567

|       | 14.8R      | 11.5R            | 8.25R      | 5R         |
|-------|------------|------------------|------------|------------|
| A     | 1764" 1202 | 1642" 1510       | 1518" 1455 | 2447" 2436 |
| B     | 1852" 1058 | 1918" 1367       | 1367" 2205 | 2105" 2050 |
| 3.3R  | 1962" 915  | 1984" 2429" 1367 | 3957" 2205 | 2105" 2050 |
| 0.0R  | 2105" 926  | 2105" 2866" 1312 | 4696" 2050 | 2105" 2050 |
| -3.3R | 2304" 1047 | 2866" 1301       | 4630" 2094 | 4529" 5060 |
| -6.6R | 2535" 1488 | 3748" 2190       | 7275" 5170 |            |

capacity with standard dipper arm

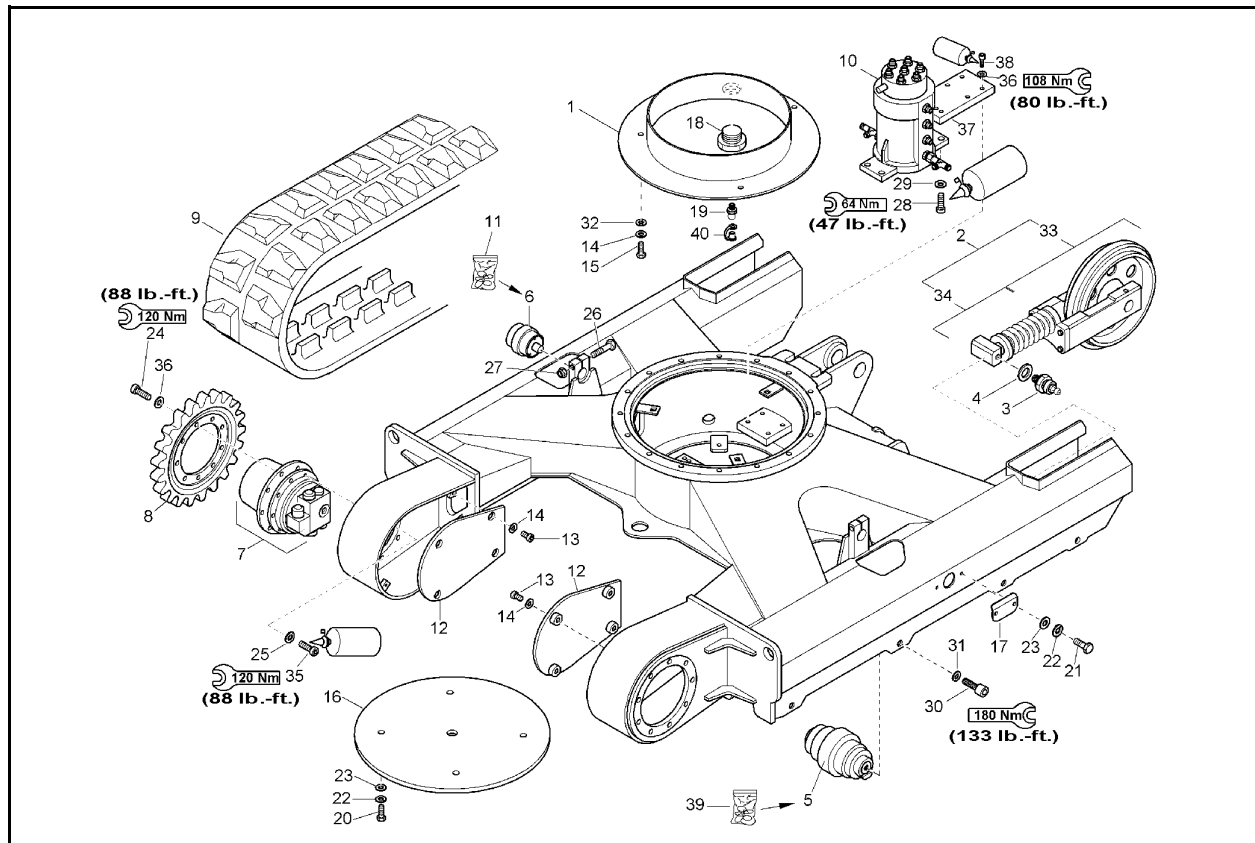
AUXILIARY HYDRAULIC FLOW AND PRESSURE

|                | 174 | 218 | 363 | 435 | 653 | 870 | 1085 | 1305 | 1523 |
|----------------|-----|-----|-----|-----|-----|-----|------|------|------|
| Pressure [psi] | 174 | 218 | 363 | 435 | 653 | 870 | 1085 | 1305 | 1523 |
| Flow [gpm]     | 17  | 12  | 12  | 12  | 12  | 12  | 12   | 12   | 12   |



# NOTES

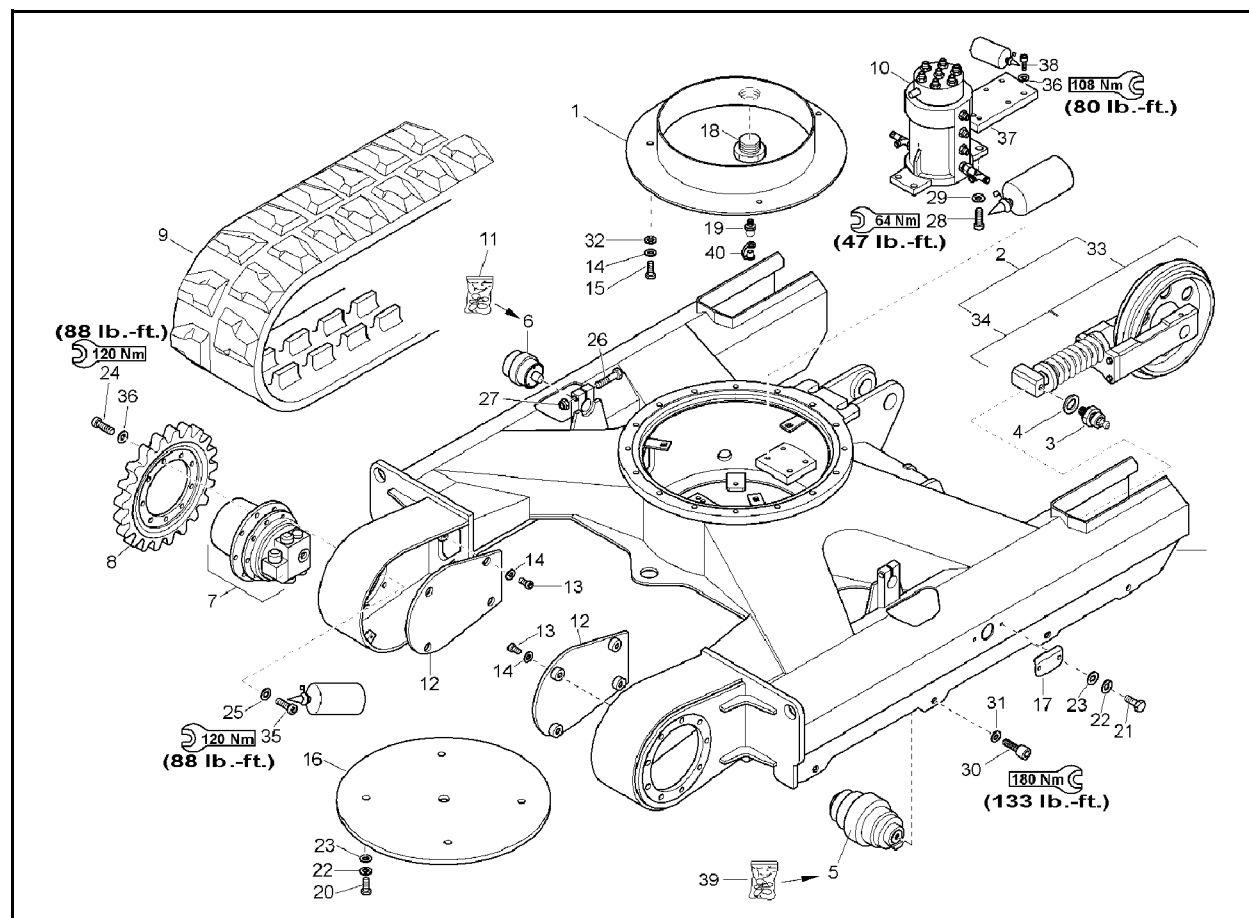
# 3503 UNDERCARRIAGE, RUBBER TRACK 1000180966 - (SN AG00593 AND UP)



| Ref.<br>No. | Part No. | Description                                                       | Qty. | Ref.<br>No. | Part No. | Description                            | Qty. |
|-------------|----------|-------------------------------------------------------------------|------|-------------|----------|----------------------------------------|------|
| 1           | 179045   | BRACKET                                                           | 1    | 22          | 161669   | LOCKWASHER S10                         | 8    |
| 2           | 165605   | TRACK TENSIONER COMPLETE<br>See page 24 for individual components | 2    | 23          | 161640   | WASHER/GR A 10.5                       | 8    |
| 3           | 203913   | NON RETURN VALVE                                                  | 2    | 24          | 651483   | SHCS M12-1.75 X 35 C10.9 ZY<br>DIN912  | 18   |
| 4           | 178067   | RING                                                              | 2    | 25          | 161624   | LW SPRING B12 DIN7982                  | 18   |
| 5           | 202450   | BOTTOM ROLLER                                                     | 8    | 26          | 651489   | SHCS M12-1.75 X 65 C10.9 ZY<br>DIN912  | 2    |
| 6           | 165124   | SUPPORTING ROLLER                                                 | 2    | 27          | 179793   | NUT                                    | 2    |
| 7           | 205703   | DRIVE MOTOR COMPLETE<br>See page 112 for individual components    | 2    | 28          | 162022   | SCREW                                  | 4    |
| 8           | 165604   | SPROCKET                                                          | 2    | 29          | 163641   | WASHER                                 | 4    |
| 9           | 165720   | RUBBER TRACK                                                      | 2    | 30          | 165945   | SCREW                                  | 16   |
| 10          | 207053   | SWIVEL JOINT<br>See page 126 for individual components            | 1    | 31          | 177389   | WASHER                                 | 16   |
| 11          | 161074   | SEAL KIT/SUPPORTING ROLLER                                        | 2    | 32          | 161662   | WASHER/GR A 8.4 ZO                     | 3    |
| 12          | 165600   | COVER                                                             | 2    | 33          | 203436   | TENSION WHEEL AND SLIDE                | 2    |
| 13          | 651515   | SHCS M8-1.25 X 20 C8.8 ZY DIN912                                  | 8    | 34          | 165606   | SPRING SET                             | 2    |
| 14          | 163670   | LOCKWASHER                                                        | 11   | 35          | 656148   | FHCS M12-1.75 X 40 C10.9 ZY<br>DIN7991 | 18   |
| 15          | 177648   | HEX SCREW                                                         | 3    | 36          | 161636   | WASHER/NORD-LOCK NL 12                 | 22   |
| 16          | 165598   | COVER/UNDERCARRIAGE                                               | 1    | 37          | 179046   | PLATE                                  | 1    |
| 17          | 162331   | COVER/CHAIN TENSIONER                                             | 2    | 38          | 651480   | SHCS M12-1.75 X 30 C10.9 ZY<br>DIN912  | 4    |
| 18          | 165119   | PLUG                                                              | 1    | 39          | 202449   | SEAL KIT/BOTTOM ROLLER                 | 8    |
| 19          | 161412   | GREASE ZERK-9MM HEX HEAD                                          | 1    | 40          | 161422   | CAP                                    | 1    |
| 20          | 656006   | CS M10-1.5 X 20 C8.8 ZY DIN931                                    | 4    |             |          |                                        |      |
| 21          | 656090   | CS M10-1.5 X 16 C8.8 ZY DIN931                                    | 4    |             |          |                                        |      |

# 3503 - UNDERCARRIAGE, RUBBER TRACK

## 1000127201 - (SN AD00001 - AE02832)



| Ref.<br>No. | Part No. | Description                                                                              | Qty. |
|-------------|----------|------------------------------------------------------------------------------------------|------|
| 1           | 179045   | BRACKET                                                                                  | 1    |
| 2           | 165605   | TRACK TENSIONER COMPLETE<br>See page 24 for individual components                        | 2    |
| 3           | 203913   | NON RETURN VALVE                                                                         | 2    |
| 4           | 178067   | RING                                                                                     | 2    |
| 5           | 202450   | BOTTOM ROLLER                                                                            | 8    |
| 6           | 165124   | SUPPORTING ROLLER                                                                        | 2    |
| 7           | 205703   | DRIVE MOTOR COMPLETE<br>(SN AE01101 - AE02832)<br>See page 112 for individual components | 2    |
|             | 160723   | DRIVE MOTOR COMPLETE<br>(SN AD00001 - AE01100)<br>See page 113 for individual components | 2    |
| 8           | 165604   | SPROCKET                                                                                 | 2    |
| 9           | 165720   | RUBBER TRACK                                                                             | 2    |
| 10          | 207053   | SWIVEL JOINT<br>See page 126 for individual components                                   | 1    |
| 11          | 161074   | SEAL KIT/SUPPORTING ROLLER                                                               | 2    |
| 12          | 165600   | COVER                                                                                    | 2    |
| 13          | 651515   | SHCS M8-1.25 X 20 C8.8 ZY DIN912                                                         | 8    |
| 14          | 163670   | LOCKWASHER                                                                               | 11   |
| 15          | 177648   | HEX SCREW                                                                                | 3    |

| Ref.<br>No. | Part No. | Description                           | Qty. |
|-------------|----------|---------------------------------------|------|
| 16          | 165598   | COVER/UNDERCARRIAGE                   | 1    |
| 17          | 162331   | COVER/CHAIN TENSIONER                 | 2    |
| 18          | 165119   | PLUG                                  | 1    |
| 19          | 161412   | GREASE ZERK-9MM HEX HEAD              | 1    |
| 20          | 656006   | CS M10-1.5 X 20 C8.8 ZY DIN931        | 4    |
| 21          | 656090   | CS M10-1.5 X 16 C8.8 ZY DIN931        | 4    |
| 22          | 161669   | LOCKWASHER S10                        | 8    |
| 23          | 161640   | WASHER/GR A 10.5                      | 8    |
| 24          | 651483   | SHCS M12-1.75 X 35 C10.9 ZY<br>DIN912 | 18   |
| 25          | 161624   | LW SPRING B12 DIN7982                 | 18   |
| 26          | 651489   | SHCS M12-1.75 X 65 C10.9 ZY<br>DIN912 | 2    |
| 27          | 179793   | NUT                                   | 2    |
| 28          | 162022   | SCREW                                 | 4    |
| 29          | 163641   | WASHER                                | 4    |
| 30          | 165945   | SCREW                                 | 16   |
| 31          | 177389   | WASHER                                | 16   |
| 32          | 161662   | WASHER/GR A 8.4 ZO                    | 3    |

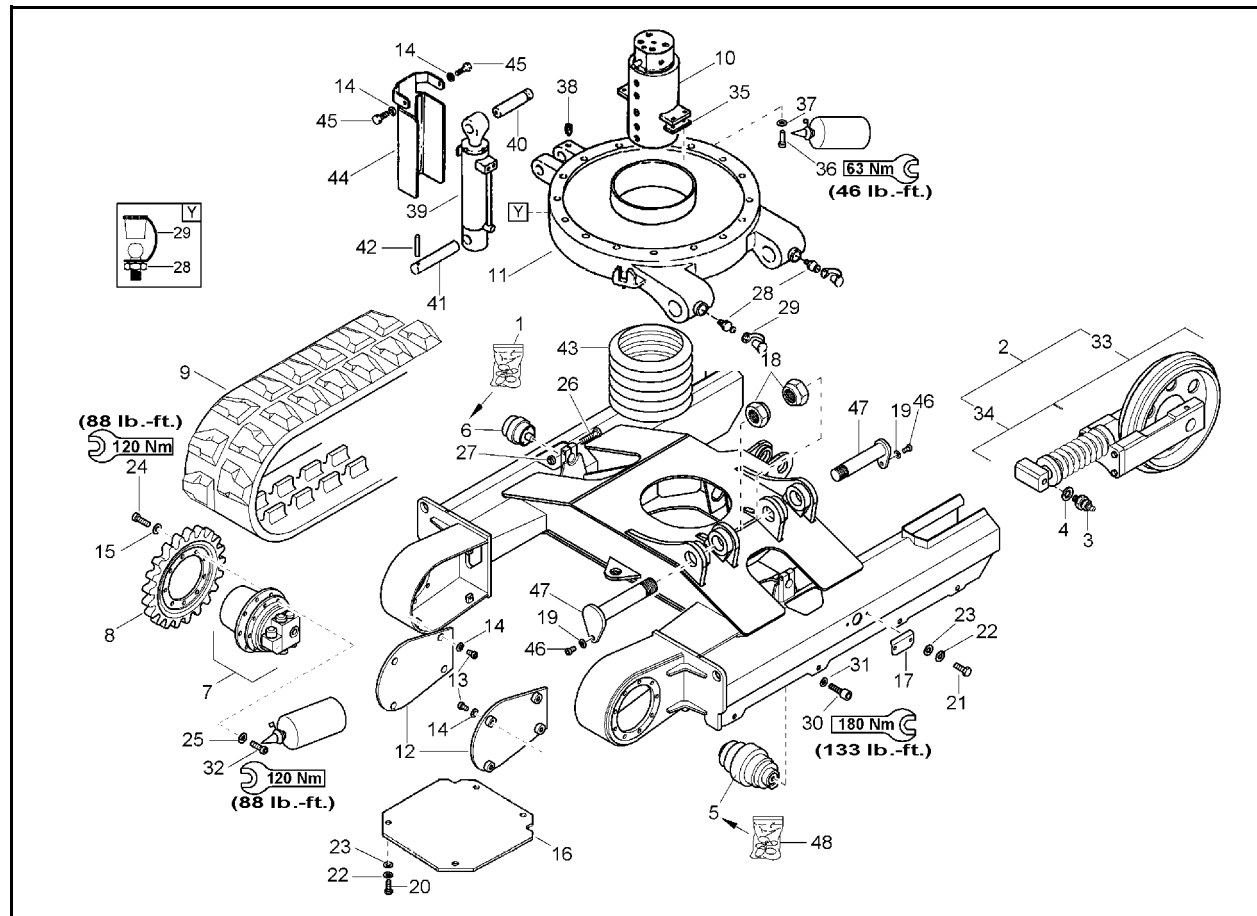
**3503 - UNDERCARRIAGE, RUBBER TRACK**  
**1000127201 - (SN AD00001 - AE02832)**

| Ref.<br>No. | Part No. | Description                            | Qty. |
|-------------|----------|----------------------------------------|------|
| 33          | 203436   | TENSION WHEEL AND SLIDE                | 2    |
| 34          | 165606   | SPRING SET                             | 2    |
| 35          | 656148   | FHCS M12-1.75 X 40 C10.9 ZY<br>DIN7991 | 18   |
| 36          | 161636   | WASHER/NORD-LOCK NL 12                 | 22   |

| Ref.<br>No. | Part No. | Description                           | Qty. |
|-------------|----------|---------------------------------------|------|
| 37          | 179046   | PLATE                                 | 1    |
| 38          | 651480   | SHCS M12-1.75 X 30 C10.9 ZY<br>DIN912 | 4    |
| 39          | 202449   | SEAL KIT/BOTTOM ROLLER                | 8    |
| 40          | 161422   | CAP                                   | 1    |

# 3703 - UNDERCARRIAGE, RUBBER TRACK

## 1000181065 - (SN AG00580 AND UP)



| Ref.<br>No. | Part No. | Description                                                       | Qty. | Ref.<br>No. | Part No. | Description                            | Qty. |
|-------------|----------|-------------------------------------------------------------------|------|-------------|----------|----------------------------------------|------|
| 1           | 161074   | SEAL KIT/SUPPORTING ROLLER                                        | 2    | 19          | 163651   | WASHER                                 | 2    |
| 2           | 165605   | TRACK TENSIONER COMPLETE<br>See page 24 for individual components | 2    | 20          | 656006   | CS M10-1.5 X 20 C8.8 ZY DIN931         | 4    |
| 3           | 203913   | NON RETURN VALVE                                                  | 2    | 21          | 656090   | CS M10-1.5 X 16 C8.8 ZY DIN931         | 4    |
| 4           | 178067   | RING                                                              | 2    | 22          | 161669   | LOCKWASHER S10                         | 8    |
| 5           | 202450   | BOTTOM ROLLER                                                     | 8    | 23          | 161640   | WASHER/GR A 10.5                       | 8    |
| 6           | 165124   | SUPPORTING ROLLER                                                 | 2    | 24          | 651483   | SHCS M12-1.75 X 35 C10.9 ZY<br>DIN912  | 18   |
| 7           | 205703   | DRIVE MOTOR COMPLETE<br>See page 112 for individual components    | 2    | 25          | 161624   | LW SPRING B12 DIN7982                  | 18   |
| 8           | 165604   | SPROCKET                                                          | 2    | 26          | 651489   | SHCS M12-1.75 X 65 C10.9 ZY<br>DIN912  | 2    |
| 9           | 165720   | RUBBER TRACK                                                      | 2    | 27          | 179793   | NUT                                    | 2    |
| 10          | 165590   | SWIVEL JOINT II<br>See page 127 for individual components         | 1    | 28          | 161411   | GREASE ZERK-7MM HEX HEAD               | 3    |
| 11          | 179066   | BRACKET                                                           | 1    | 29          | 161416   | CAP                                    | 3    |
| 12          | 165600   | COVER                                                             | 2    | 30          | 165945   | SCREW                                  | 16   |
| 13          | 651515   | SHCS M8-1.25 X 20 C8.8 ZY DIN912                                  | 8    | 31          | 177389   | WASHER                                 | 16   |
| 14          | 163670   | LOCKWASHER                                                        | 10   | 32          | 656148   | FHCS M12-1.75 X 40 C10.9 ZY<br>DIN7991 | 18   |
| 15          | 161636   | WASHER/NORD-LOCK NL 12                                            | 18   | 33          | 203436   | TENSION WHEEL AND SLIDE                | 2    |
| 16          | 162346   | COVER/UNDERCARRIAGE                                               | 1    | 34          | 165606   | SPRING SET                             | 2    |
| 17          | 162331   | COVER/CHAIN TENSIONER                                             | 2    | 35          | 165815   | BRACKET                                | 2    |
| 18          | 161638   | NUT/GROOVE SLEEVE SECURING                                        | 2    | 36          | 165927   | SCREW                                  | 4    |

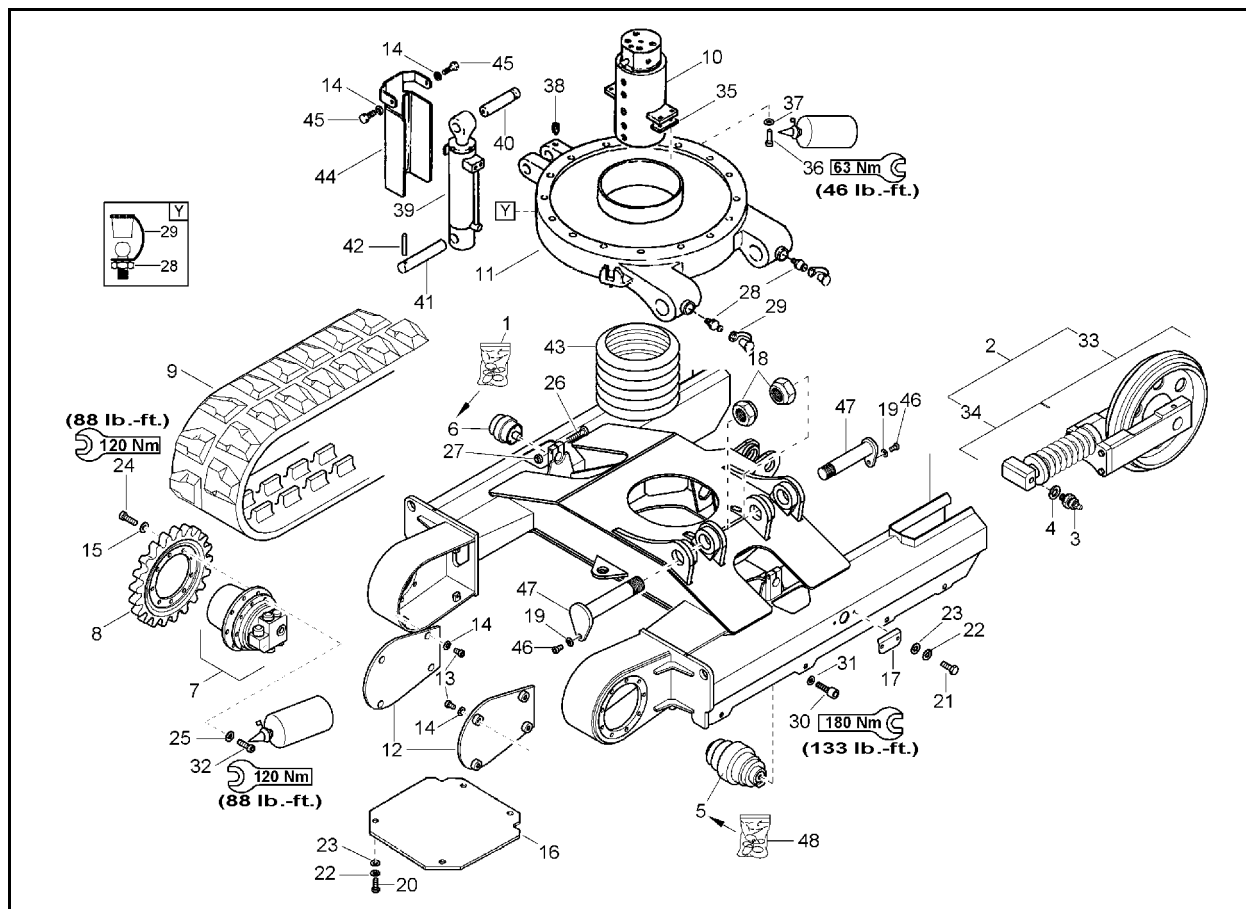
3703 UNDERCARRIAGE, RUBBER TRACK  
1000181065 - (SN AG00580 AND UP)

| Ref.<br>No. | Part No. | Description                                             | Qty. |
|-------------|----------|---------------------------------------------------------|------|
| 37          | 163641   | WASHER                                                  | 4    |
| 38          | 651445   | SHSS DP M10-1.50 X 16 C 45H                             | 1    |
| 39          | 160784   | TILT CYLINDER<br>See page 163 for individual components | 1    |
| 40          | 160791   | PIN                                                     | 1    |
| 41          | 165811   | PIN                                                     | 1    |
| 42          | 165955   | COTTER PIN                                              | 1    |
| 43          | 207108   | PROTECTING COVER SUPERFLEX<br>(0.3M)                    | 1    |

| Ref.<br>No. | Part No. | Description                     | Qty. |
|-------------|----------|---------------------------------|------|
| 44          | 162321   | TILT CYLINDER GUARD             | 1    |
| 45          | 651430   | CS M8-1.25 X 12 C8.8 ZY DIN931  | 2    |
| 46          | 656122   | CS M12-1.75 X 25 C8.8 ZY DIN931 | 2    |
| 47          | 160792   | PIN                             | 2    |
| 48          | 202449   | SEAL KIT/BOTTOM ROLLER          | 8    |

# 3703 - UNDERCARRIAGE, RUBBER TRACK

## 1000127203 - (SN AD00001 - AE02799)



| Ref.<br>No. | Part No. | Description                                                                              | Qty. |
|-------------|----------|------------------------------------------------------------------------------------------|------|
| 1           | 161074   | SEAL KIT/SUPPORTING ROLLER                                                               | 2    |
| 2           | 165605   | TRACK TENSIONER COMPLETE<br>See page 24 for individual components                        | 2    |
| 3           | 203913   | NON RETURN VALVE                                                                         | 2    |
| 4           | 178067   | RING                                                                                     | 2    |
| 5           | 202450   | BOTTOM ROLLER                                                                            | 8    |
| 6           | 165124   | SUPPORTING ROLLER                                                                        | 2    |
| 7           | 205703   | DRIVE MOTOR COMPLETE<br>(SN AE01101 - AE02832)<br>See page 112 for individual components | 2    |
|             | 160723   | DRIVE MOTOR COMPLETE<br>(SN AD00001 - AE0100)<br>See page 113 for individual components  | 2    |
| 8           | 165604   | SPROCKET                                                                                 | 2    |
| 9           | 165720   | RUBBER TRACK                                                                             | 2    |
| 10          | 165590   | SWIVEL JOINT II<br>See page 127 for individual components                                | 1    |
| 11          | 179066   | BRACKET                                                                                  | 1    |
| 12          | 165600   | COVER                                                                                    | 2    |
| 13          | 651515   | SHCS M8-1.25 X 20 C8.8 ZY DIN912                                                         | 8    |
| 14          | 163670   | LOCKWASHER                                                                               | 10   |
| 15          | 161636   | WASHER/NORD-LOCK NL 12                                                                   | 18   |
| 16          | 162346   | COVER/UNDERCARRIAGE                                                                      | 1    |

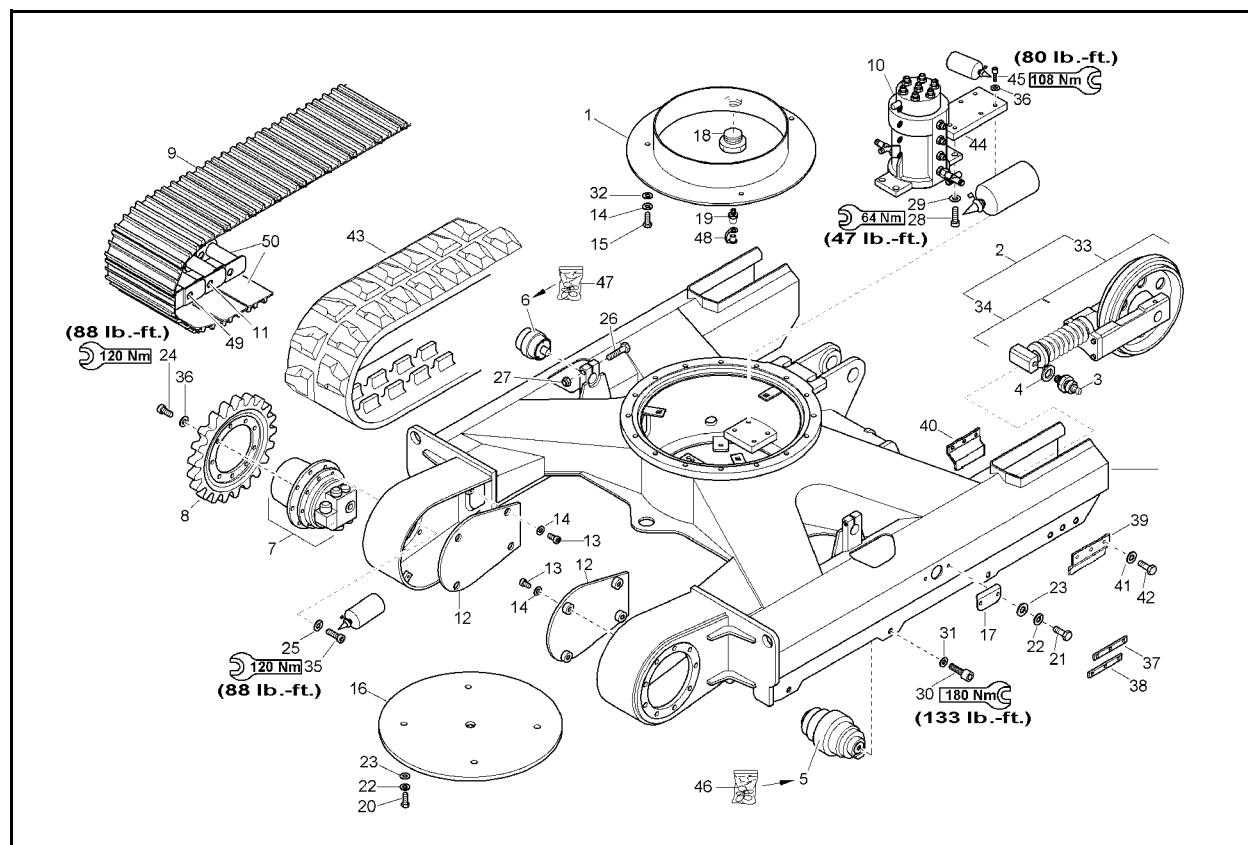
| Ref.<br>No. | Part No. | Description                            | Qty. |
|-------------|----------|----------------------------------------|------|
| 17          | 162331   | COVER/CHAIN TENSIONER                  | 2    |
| 18          | 161638   | NUT/GROOVE SLEEVE SECURING             | 2    |
| 19          | 163651   | WASHER                                 | 2    |
| 20          | 656006   | CS M10-1.5 X 20 C8.8 ZY DIN931         | 4    |
| 21          | 656090   | CS M10-1.5 X 16 C8.8 ZY DIN931         | 4    |
| 22          | 161669   | LOCKWASHER S10                         | 8    |
| 23          | 161640   | WASHER/GR A 10.5                       | 8    |
| 24          | 651483   | SHCS M12-1.75 X 35 C10.9 ZY<br>DIN912  | 18   |
| 25          | 161624   | LW SPRING B12 DIN7982                  | 18   |
| 26          | 651489   | SHCS M12-1.75 X 65 C10.9 ZY<br>DIN912  | 2    |
| 27          | 179793   | NUT                                    | 2    |
| 28          | 161411   | GREASE ZERK-7MM HEX HEAD               | 3    |
| 29          | 161416   | CAP                                    | 3    |
| 30          | 165945   | SCREW                                  | 16   |
| 31          | 177389   | WASHER                                 | 16   |
| 32          | 656148   | FHCS M12-1.75 X 40 C10.9 ZY<br>DIN7991 | 18   |
| 33          | 203436   | TENSION WHEEL AND SLIDE                | 2    |
| 34          | 165606   | SPRING SET                             | 2    |
| 35          | 165815   | BRACKET                                | 2    |

3703 UNDERCARRIAGE, RUBBER TRACK  
1000127203 - (SN AD00001 - AE02799)

| Ref.<br>No. | Part No. | Description                                             | Qty. |
|-------------|----------|---------------------------------------------------------|------|
| 36          | 165927   | SCREW                                                   | 4    |
| 37          | 163641   | WASHER                                                  | 4    |
| 38          | 651445   | SHSS DP M10-1.50 X 16 C 45H                             | 1    |
| 39          | 160784   | TILT CYLINDER<br>See page 163 for individual components | 1    |
| 40          | 160791   | PIN                                                     | 1    |
| 41          | 165811   | PIN                                                     | 1    |
| 42          | 165955   | COTTER PIN                                              | 1    |

| Ref.<br>No. | Part No. | Description                          | Qty. |
|-------------|----------|--------------------------------------|------|
| 43          | 207108   | PROTECTING COVER SUPERFLEX<br>(0.3M) | 1    |
| 44          | 162321   | TILT CYLINDER GUARD                  | 1    |
| 45          | 651430   | CS M8-1.25 X 12 C8.8 ZY DIN931       | 2    |
| 46          | 656122   | CS M12-1.75 X 25 C8.8 ZY DIN931      | 2    |
| 47          | 160792   | PIN                                  | 2    |
| 48          | 202449   | SEAL KIT/BOTTOM ROLLER               | 8    |

# 3503 - UNDERCARRIAGE, STEEL TRACK (OPTION) 1000180968 - (SN AG00593 AND UP)

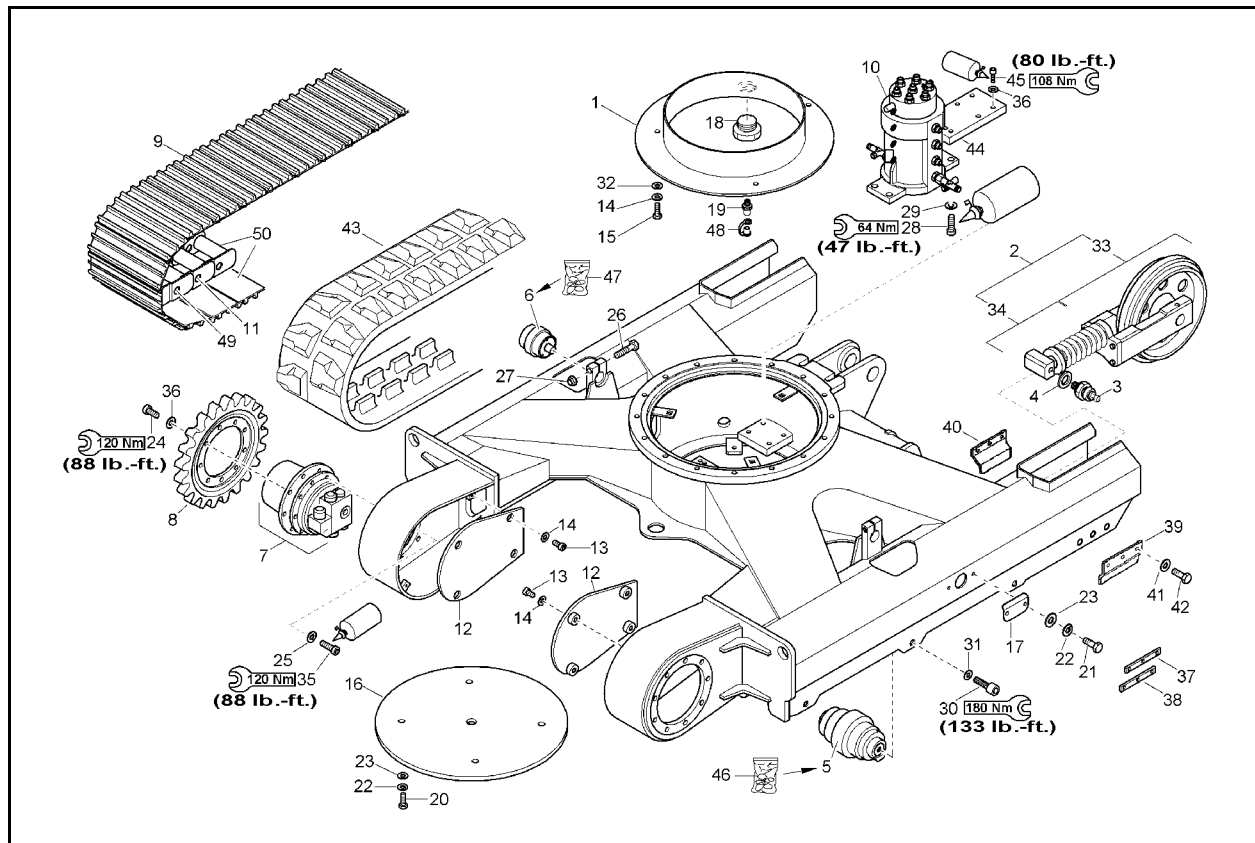


| Ref.<br>No. | Part No. | Description                                                       | Qty. | Ref.<br>No. | Part No. | Description                           | Qty. |
|-------------|----------|-------------------------------------------------------------------|------|-------------|----------|---------------------------------------|------|
| 1           | 179045   | BRACKET                                                           | 1    | 22          | 161669   | LOCKWASHER S10                        | 8    |
| 2           | 178867   | TRACK TENSIONER COMPLETE<br>See page 25 for individual components | 2    | 23          | 161640   | WASHER/GR A 10.5                      | 8    |
| 3           | 203913   | NON RETURN VALVE                                                  | 2    | 24          | 651483   | SHCS M12-1.75 X 35 C10.9 ZY<br>DIN912 | 18   |
| 4           | 178067   | RING                                                              | 2    | 25          | 161624   | LW SPRING B12 DIN7982                 | 18   |
| 5           | 203570   | BOTTOM ROLLER/STEEL TRACK                                         | 8    | 26          | 651489   | SHCS M12-1.75 X 65 C10.9 ZY DIN912    | 2    |
| 6           | 165124   | SUPPORTING ROLLER                                                 | 2    | 27          | 179793   | NUT                                   | 2    |
| 7           | 205703   | DRIVE MOTOR COMPLETE<br>See page 112 for individual components    | 2    | 28          | 162022   | SCREW                                 | 4    |
| 8           | 165604   | SPROCKET                                                          | 2    | 29          | 163641   | WASHER                                | 4    |
| 9           | 179048   | STEEL TRACK 300MM                                                 | 2    | 30          | 165945   | SCREW                                 | 16   |
| 10          | 207053   | SWIVEL JOINT<br>See page 126 for individual components            | 1    | 31          | 177389   | WASHER                                | 16   |
| 11          | 206109   | PIN                                                               | 2    | 32          | 161662   | WASHER/GR A 8.4 ZO                    | 3    |
| 12          | 165600   | COVER                                                             | 2    | 33          | 203436   | TENSION WHEEL AND SLIDE               | 2    |
| 13          | 651515   | SHCS M8-1.25 X 20 C8.8 ZY DIN912                                  | 8    | 34          | 178871   | SPRINGSET                             | 2    |
| 14          | 163670   | LOCKWASHER                                                        | 11   | 35          | 656148   | FHCS M12-1.75 X 40 C10.9 ZY DIN7991   | 18   |
| 15          | 177648   | HEX SCREW                                                         | 3    | 36          | 161636   | WASHER/NORD-LOCK NL 12                | 22   |
| 16          | 165598   | COVER/UNDERCARRIAGE                                               | 1    | 37          | 179669   | BRACKET                               | 1    |
| 17          | 162331   | COVER/CHAIN TENSIONER                                             | 2    | 38          | 179670   | BRACKET                               | 1    |
| 18          | 165119   | PLUG                                                              | 1    | 39          | 178862   | CHAIN GUARD LT                        | 2    |
| 19          | 161412   | GREASE ZERK-9MM HEX HEAD                                          | 1    | 40          | 178863   | CHAIN GUARD RT                        | 2    |
| 20          | 656006   | CS M10-1.5 X 20 C8.8 ZY DIN931                                    | 4    | 41          | 161643   | WASHER/ROUND HI-TENS                  | 12   |
| 21          | 656090   | CS M10-1.5 X 16 C8.8 ZY DIN931                                    | 4    | 42          | 651408   | CS M12-1.75 X 40 C10.9 ZY DIN931      | 12   |
|             |          |                                                                   |      | 43          | 179049   | STEEL TRACK                           | 2    |

# 3503 - UNDERCARRIAGE, STEEL TRACK (OPTION) 1000180968 - (SN AG00593 AND UP)

| Ref.<br>No. | Part No. | Description                        | Qty. | Ref.<br>No. | Part No. | Description | Qty. |
|-------------|----------|------------------------------------|------|-------------|----------|-------------|------|
| 44          | 179046   | PLATE                              | 1    | 48          | 161422   | CAP         | 1    |
| 45          | 651480   | SHCS M12-1.75 X 30 C10.9 ZY DIN912 | 4    | 49          | 203557   | PIN         | 84   |
| 46          | 202449   | SEAL KIT/BOTTOM ROLLER             | 8    | 50          | 203556   | CHAIN LINK  | 86   |
| 47          | 161074   | SEAL KIT/SUPPORTING ROLLER         | 2    |             |          |             |      |

# 3503 - UNDERCARRIAGE, STEEL TRACK (OPTION) 1000127202 - (SN AD00001 - AE02832)



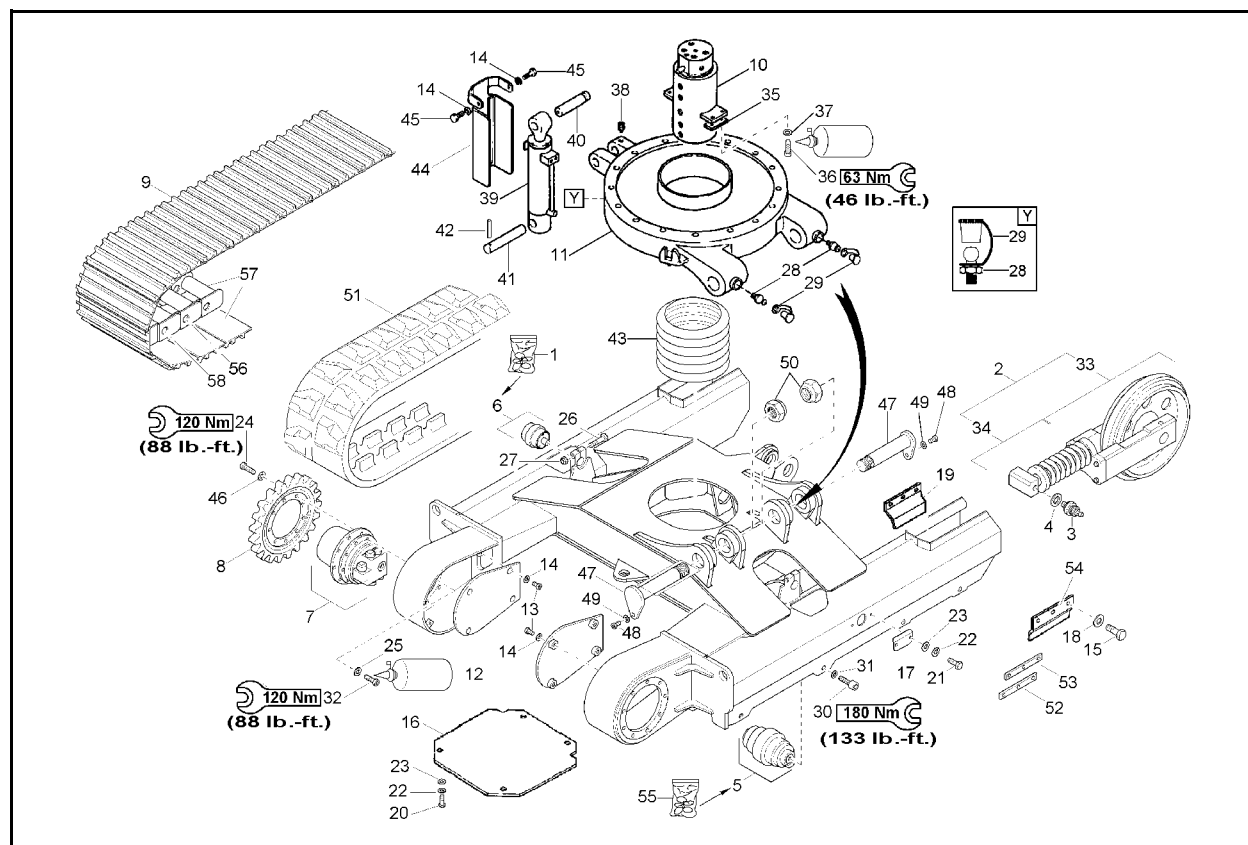
| Ref.<br>No. | Part No. | Description                                                                              | Qty. | Ref.<br>No. | Part No. | Description                            | Qty. |
|-------------|----------|------------------------------------------------------------------------------------------|------|-------------|----------|----------------------------------------|------|
| 1           | 179045   | BRACKET                                                                                  | 1    | 18          | 165119   | PLUG                                   | 1    |
| 2           | 178867   | TRACK TENSIONER COMPLETE<br>See page 25 for individual components                        | 2    | 19          | 161412   | GREASE ZERK-9MM HEX HEAD               | 1    |
| 3           | 203913   | NON RETURN VALVE                                                                         | 2    | 20          | 656006   | CS M10-1.5 X 20 C8.8 ZY DIN931         | 4    |
| 4           | 178067   | RING                                                                                     | 2    | 21          | 656090   | CS M10-1.5 X 16 C8.8 ZY DIN931         | 4    |
| 5           | 203570   | BOTTOM ROLLER/STEEL TRACK                                                                | 8    | 22          | 161669   | LOCKWASHER S10                         | 8    |
| 6           | 165124   | SUPPORTING ROLLER                                                                        | 2    | 23          | 161640   | WASHER/GR A 10.5                       | 8    |
| 7           | 205703   | DRIVE MOTOR COMPLETE<br>(SN AE01101 - AE02832)<br>See page 112 for individual components | 2    | 24          | 651483   | SHCS M12-1.75 X 35 C10.9 ZY DIN912     | 18   |
|             | 160723   | DRIVE MOTOR COMPLETE<br>(SN AD00001 - AE01100)<br>See page 113 for individual components | 2    | 25          | 161624   | LW SPRING B12 DIN7982                  | 18   |
| 8           | 165604   | SPROCKET                                                                                 | 2    | 26          | 651489   | SHCS M12-1.75 X 65 C10.9 ZY DIN912     | 2    |
| 9           | 179048   | STEEL CHAIN 300MM                                                                        | 2    | 27          | 179793   | NUT                                    | 2    |
| 10          | 207053   | SWIVEL JOINT<br>See page 126 for individual components                                   | 1    | 28          | 162022   | SCREW                                  | 4    |
| 11          | 206109   | PIN                                                                                      | 2    | 29          | 163641   | WASHER                                 | 4    |
| 12          | 165600   | COVER                                                                                    | 2    | 30          | 165945   | SCREW                                  | 16   |
| 13          | 651515   | SHCS M8-1.25 X 20 C8.8 ZY DIN912                                                         | 8    | 31          | 177389   | WASHER                                 | 16   |
| 14          | 163670   | LOCKWASHER                                                                               | 11   | 32          | 161662   | WASHER/GR A 8.4 ZO                     | 3    |
| 15          | 177648   | HEX SCREW                                                                                | 3    | 33          | 203436   | TENSION WHEEL AND SLIDE                | 2    |
| 16          | 165598   | COVER/UNDERCARRIAGE                                                                      | 1    | 34          | 178871   | SPRINGSET                              | 2    |
| 17          | 162331   | COVER/CHAIN TENSIONER                                                                    | 2    | 35          | 656148   | FHCS M12-1.75 X 40 C10.9 ZY<br>DIN7991 | 18   |
|             |          |                                                                                          |      | 36          | 161636   | WASHER/NORD-LOCK NL 12                 | 22   |
|             |          |                                                                                          |      | 37          | 179669   | BRACKET                                | 1    |
|             |          |                                                                                          |      | 38          | 179670   | BRACKET                                | 1    |

# 3503 - UNDERCARRIAGE, STEEL TRACK (OPTION) 1000127202 - (SN AD00001 - AE02832)

| Ref.<br>No. | Part No. | Description                        | Qty. |
|-------------|----------|------------------------------------|------|
| 39          | 178862   | CHAIN GUARD LT                     | 2    |
| 40          | 178863   | CHAIN GUARD RT                     | 2    |
| 41          | 161643   | WASHER/ROUND HI-TENS               | 12   |
| 42          | 651408   | CS M12-1.75 X 40 C10.9 ZY DIN931   | 12   |
| 43          | 179049   | STEEL CHAIN                        | 2    |
| 44          | 179046   | PLATE                              | 1    |
| 45          | 651480   | SHCS M12-1.75 X 30 C10.9 ZY DIN912 | 4    |

| Ref.<br>No. | Part No. | Description                                      | Qty. |
|-------------|----------|--------------------------------------------------|------|
| 46          | 202449   | SEAL KIT/BOTTOM ROLLER<br>(SN AE02615 - AE02382) | 8    |
|             | 165146   | SEAL KIT/BOTTOM ROLLER<br>(SN AD00001 - AE02614) | 8    |
| 47          | 161074   | SEAL KIT/SUPPORTING ROLLER                       | 2    |
| 48          | 161422   | CAP                                              | 1    |
| 49          | 203557   | PIN                                              | 84   |
| 50          | 203556   | CHAIN LINK                                       | 86   |

# 3703 - UNDERCARRIAGE, STEEL TRACK (OPTION) 1000181066 - (SN AG00580 AND UP)



| Ref.<br>No. | Part No. | Description                                                                              | Qty. | Ref.<br>No. | Part No. | Description                                             | Qty. |
|-------------|----------|------------------------------------------------------------------------------------------|------|-------------|----------|---------------------------------------------------------|------|
| 1           | 161074   | SEAL KIT/SUPPORTING ROLLER                                                               | 2    | 21          | 656090   | CS M10-1.5 X 16 C8.8 ZY DIN931                          | 4    |
| 2           | 178867   | TRACK TENSIONER COMPLETE<br>See page 25 for individual components                        | 2    | 22          | 161669   | LOCKWASHER S10                                          | 8    |
| 3           | 203913   | NON RETURN VALVE                                                                         | 2    | 23          | 161640   | WASHER/GR A 10.5                                        | 8    |
| 4           | 178067   | RING                                                                                     | 2    | 24          | 651483   | SHCS M12-1.75 X 35 C10.9 ZY DIN912                      | 18   |
| 5           | 203570   | BOTTOM ROLLER/STEEL TRACK                                                                | 8    | 25          | 161624   | LW SPRING B12 DIN7982                                   | 18   |
| 6           | 165124   | SUPPORTING ROLLER                                                                        | 2    | 26          | 651489   | SHCS M12-1.75 X 65 C10.9 ZY DIN912                      | 2    |
| 7           | 205703   | DRIVE MOTOR COMPLETE<br>(SN AE01101 - AE02832)<br>See page 112 for individual components | 2    | 27          | 179793   | NUT                                                     | 2    |
| 8           | 165604   | SPROCKET                                                                                 | 2    | 28          | 161411   | GREASE ZERK-7MM HEX HEAD                                | 3    |
| 9           | 179048   | STEEL CHAIN 300MM                                                                        | 2    | 29          | 161416   | CAP                                                     | 3    |
| 10          | 165590   | SWIVEL JOINT II<br>See page 127 for individual components                                | 1    | 30          | 165945   | SCREW                                                   | 16   |
| 11          | 179066   | BRACKET                                                                                  | 1    | 31          | 177389   | WASHER                                                  | 16   |
| 12          | 165600   | COVER                                                                                    | 2    | 32          | 656148   | FHCS M12-1.75 X 40 C10.9 ZY DIN7991                     | 18   |
| 13          | 651515   | SHCS M8-1.25 X 20 C8.8 ZY DIN912                                                         | 8    | 33          | 203436   | TENSION WHEEL AND SLIDE                                 | 2    |
| 14          | 163670   | LOCKWASHER                                                                               | 10   | 34          | 178871   | SPRINGSET                                               | 2    |
| 15          | 651408   | CS M12-1.75 X 40 C10.9 ZY DIN931                                                         | 12   | 35          | 165815   | BRACKET                                                 | 2    |
| 16          | 162346   | COVER/UNDERCARRIAGE                                                                      | 1    | 36          | 165927   | SCREW                                                   | 4    |
| 17          | 162331   | COVER/CHAIN TENSIONER                                                                    | 2    | 37          | 163641   | WASHER                                                  | 4    |
| 18          | 161643   | WASHER/ROUND HI-TENS                                                                     | 12   | 38          | 651445   | SHSS DP M10-1.50 X 16 C 45H                             | 1    |
| 19          | 178863   | CHAIN GUARD RT                                                                           | 2    | 39          | 160784   | TILT CYLINDER<br>See page 163 for individual components | 1    |
| 20          | 656006   | CS M10-1.5 X 20 C8.8 ZY DIN931                                                           | 4    | 40          | 160791   | PIN                                                     | 1    |
|             |          |                                                                                          |      | 41          | 165811   | PIN                                                     | 1    |
|             |          |                                                                                          |      | 42          | 165955   | COTTER PIN                                              | 1    |

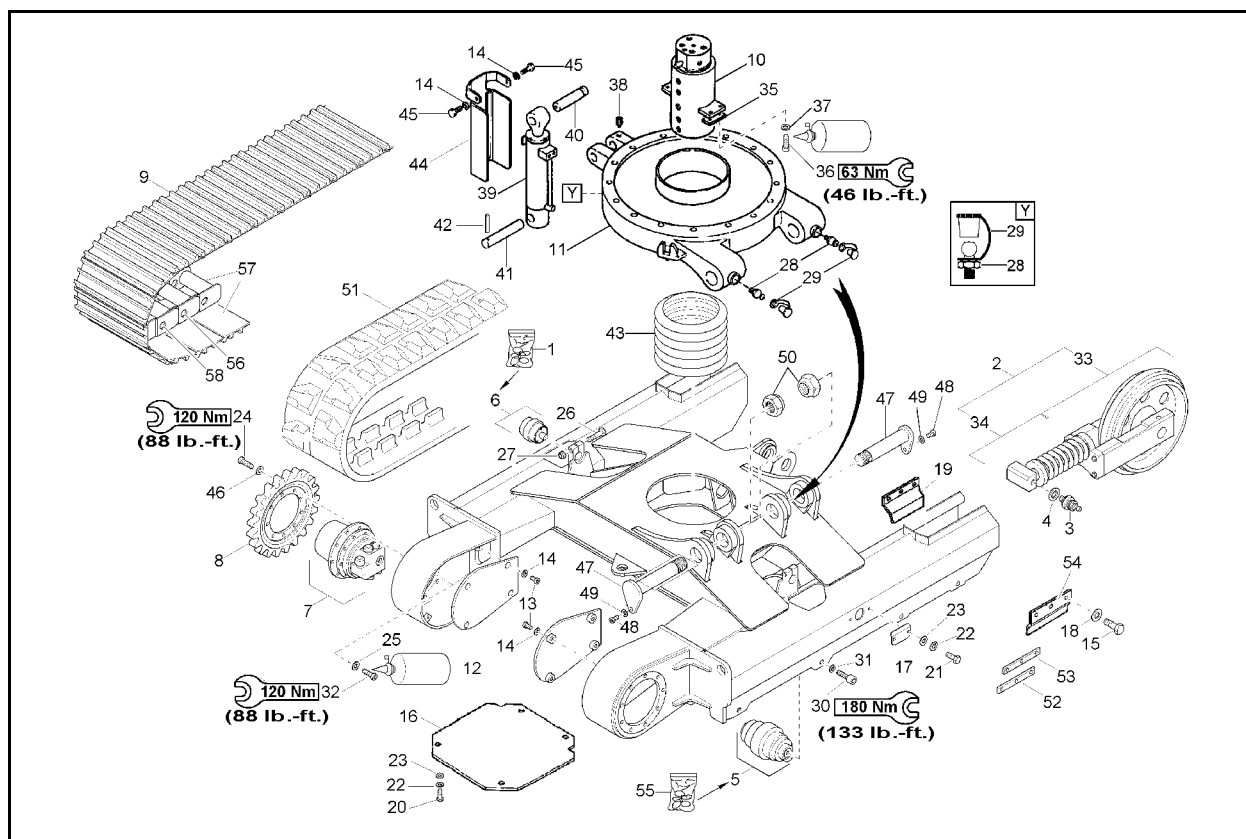
# 3703 - UNDERCARRIAGE, STEEL TRACK (OPTION) 1000181066 - (SN AG00580 AND UP)

| Ref.<br>No. | Part No. | Description                       | Qty. |
|-------------|----------|-----------------------------------|------|
| 43          | 207108   | PROTECTING COVER SUPERFLEX (0.3M) | 1    |
| 44          | 162321   | TILT CYLINDER GUARD               | 1    |
| 45          | 651430   | CS M8-1.25 X 12 C8.8 ZY DIN931    | 2    |
| 46          | 161636   | WASHER/NORD-LOCK NL 12            | 18   |
| 47          | 160792   | PIN                               | 2    |
| 48          | 656122   | CS M12-1.75 X 25 C8.8 ZY DIN931   | 2    |
| 49          | 163651   | WASHER                            | 2    |
| 50          | 161638   | NUT/GROOVE SLEEVE SECURING        | 2    |

| Ref.<br>No. | Part No. | Description                                   | Qty. |
|-------------|----------|-----------------------------------------------|------|
| 51          | 179049   | STEEL CHAIN                                   | 2    |
| 52          | 179669   | BRACKET                                       | 1    |
| 53          | 179670   | BRACKET                                       | 1    |
| 54          | 178862   | CHAIN GUARD LT                                | 2    |
| 55          | 202449   | SEAL KIT/BOTTOM ROLLER (SN AE02615 - AE02382) | 8    |
| 56          | 206109   | PIN                                           | 2    |
| 57          | 203556   | CHAIN LINK                                    | 86   |
| 58          | 203557   | PIN                                           | 84   |

# 3703 - UNDERCARRIAGE, STEEL TRACK (OPTION)

## 1000127205 - (SN AD00001 - AE02799)



| Ref.<br>No. | Part No. | Description                                                                              | Qty. | Ref.<br>No. | Part No. | Description                                             | Qty. |
|-------------|----------|------------------------------------------------------------------------------------------|------|-------------|----------|---------------------------------------------------------|------|
| 1           | 161074   | SEAL KIT/SUPPORTING ROLLER                                                               | 2    | 20          | 656006   | CS M10-1.5 X 20 C8.8 ZY DIN931                          | 4    |
| 2           | 178867   | TRACK TENSIONER COMPLETE<br>See page 25 for individual components                        | 2    | 21          | 656090   | CS M10-1.5 X 16 C8.8 ZY DIN931                          | 4    |
| 3           | 203913   | NON RETURN VALVE                                                                         | 2    | 22          | 161669   | LOCKWASHER S10                                          | 8    |
| 4           | 178067   | RING                                                                                     | 2    | 23          | 161640   | WASHER/GR A 10.5                                        | 8    |
| 5           | 203570   | BOTTOM ROLLER/STEEL TRACK                                                                | 8    | 24          | 651483   | SHCS M12-1.75 X 35 C10.9 ZY DIN912                      | 18   |
| 6           | 165124   | SUPPORTING ROLLER                                                                        | 2    | 25          | 161624   | LW SPRING B12 DIN7982                                   | 18   |
| 7           | 205703   | DRIVE MOTOR COMPLETE<br>(SN AE01101 - AE02832)<br>See page 112 for individual components | 2    | 26          | 651489   | SHCS M12-1.75 X 65 C10.9 ZY DIN912                      | 2    |
|             | 160723   | DRIVE MOTOR COMPLETE<br>(SN AD00001 - AE01100)<br>See page 113 for individual components | 2    | 27          | 179793   | NUT                                                     | 2    |
| 8           | 165604   | SPROCKET                                                                                 | 2    | 28          | 161411   | GREASE ZERK-7MM HEX HEAD                                | 3    |
| 9           | 179048   | STEEL CHAIN 300MM                                                                        | 2    | 29          | 161416   | CAP                                                     | 3    |
| 10          | 165590   | SWIVEL JOINT II<br>See page 127 for individual components                                | 1    | 30          | 165945   | SCREW                                                   | 16   |
| 11          | 179066   | BRACKET                                                                                  | 1    | 31          | 177389   | WASHER                                                  | 16   |
| 12          | 165600   | COVER                                                                                    | 2    | 32          | 656148   | FHCS M12-1.75 X 40 C10.9 ZY DIN7991                     | 18   |
| 13          | 651515   | SHCS M8-1.25 X 20 C8.8 ZY DIN912                                                         | 8    | 33          | 203436   | TENSION WHEEL AND SLIDE                                 | 2    |
| 14          | 163670   | LOCKWASHER                                                                               | 10   | 34          | 178871   | SPRINGSET                                               | 2    |
| 15          | 651408   | CS M12-1.75 X 40 C10.9 ZY DIN931                                                         | 12   | 35          | 165815   | BRACKET                                                 | 2    |
| 16          | 162346   | COVER/UNDERCARRIAGE                                                                      | 1    | 36          | 165927   | SCREW                                                   | 4    |
| 17          | 162331   | COVER/CHAIN TENSIONER                                                                    | 2    | 37          | 163641   | WASHER                                                  | 4    |
| 18          | 161643   | WASHER/ROUND HI-TENS                                                                     | 12   | 38          | 651445   | SHSS DP M10-1.50 X 16 C 45H                             | 1    |
| 19          | 178863   | CHAIN GUARD RT                                                                           | 2    | 39          | 160784   | TILT CYLINDER<br>See page 163 for individual components | 1    |
|             |          |                                                                                          |      | 40          | 160791   | PIN                                                     | 1    |
|             |          |                                                                                          |      | 41          | 165811   | PIN                                                     | 1    |
|             |          |                                                                                          |      | 42          | 165955   | COTTER PIN                                              | 1    |

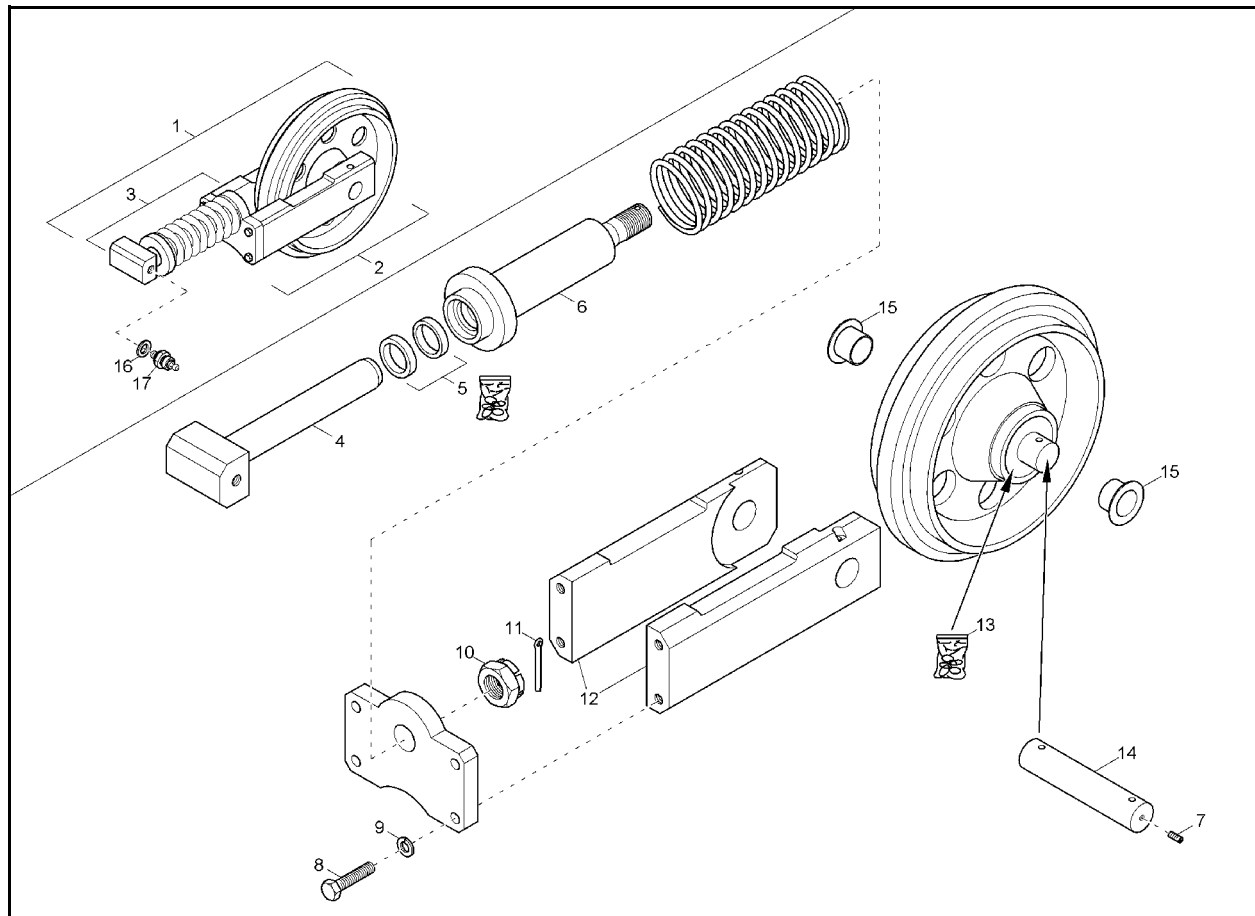
# 3703 - UNDERCARRIAGE, STEEL TRACK (OPTION) 1000127205 - (SN AD00001 - AE02799)

| Ref.<br>No. | Part No. | Description                       | Qty. |
|-------------|----------|-----------------------------------|------|
| 43          | 207108   | PROTECTING COVER SUPERFLEX (0.3M) | 1    |
| 44          | 162321   | TILT CYLINDER GUARD               | 1    |
| 45          | 651430   | CS M8-1.25 X 12 C8.8 ZY DIN931    | 2    |
| 46          | 161636   | WASHER/NORD-LOCK NL 12            | 18   |
| 47          | 160792   | PIN                               | 2    |
| 48          | 656122   | CS M12-1.75 X 25 C8.8 ZY DIN931   | 2    |
| 49          | 163651   | WASHER                            | 2    |
| 50          | 161638   | NUT/GROOVE SLEEVE SECURING        | 2    |
| 51          | 179049   | STEEL CHAIN                       | 2    |

| Ref.<br>No. | Part No. | Description                                   | Qty. |
|-------------|----------|-----------------------------------------------|------|
| 52          | 179669   | BRACKET                                       | 1    |
| 53          | 179670   | BRACKET                                       | 1    |
| 54          | 178862   | CHAIN GUARD LT                                | 2    |
| 55          | 202449   | SEAL KIT/BOTTOM ROLLER (SN AE02615 - AE02382) | 8    |
|             | 165146   | SEAL KIT/BOTTOM ROLLER (SN AD00001 - AE02614) | 8    |
| 56          | 206109   | PIN                                           | 2    |
| 57          | 203556   | CHAIN LINK                                    | 86   |
| 58          | 203557   | PIN                                           | 84   |

# 3503/3703 - TRACK TENSIONER, RUBBER TRACK

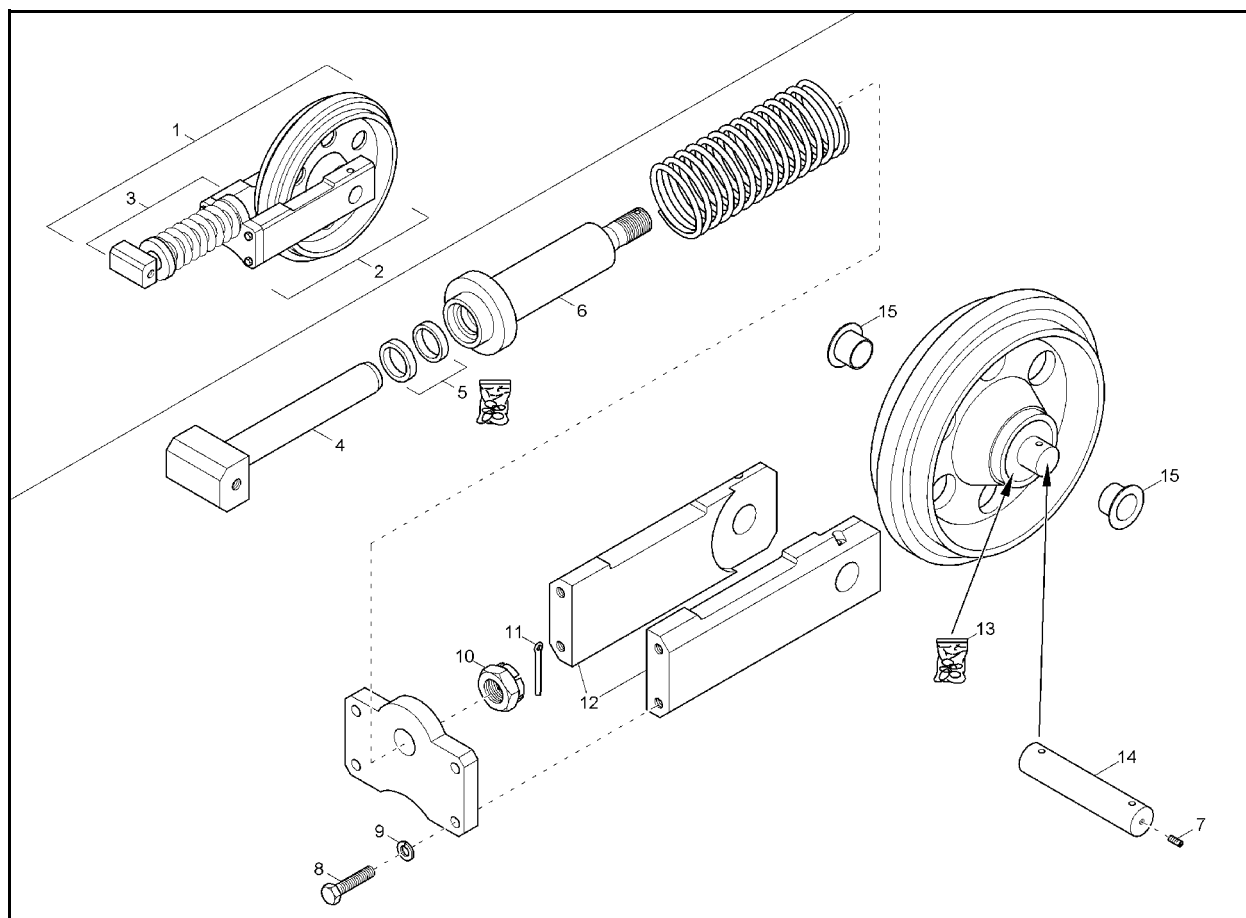
## 1000127206



| Ref.<br>No. | Part No. | Description                     | Qty. |
|-------------|----------|---------------------------------|------|
| 1           | 165605   | TRACK TENSIONER COMPLETE        | 1    |
| 2           | 203436   | TENSION WHEEL AND SLIDE         | 1    |
| 3           | 165606   | SPRING SET                      | 1    |
| 4           | 165128   | GLAND                           | 1    |
| 5           | 165608   | SEAL KIT/TENSION CYLINDER       | 1    |
| 6           | 165132   | TENSION CYLINDER                | 1    |
| 7           | 162750   | PLUG                            | 1    |
| 8           | 651398   | CS M10-1.5 X 35 C10.9 ZY DIN931 | 4    |
| 9           | 161623   | LW SPRING B10 DIN7981           | 4    |

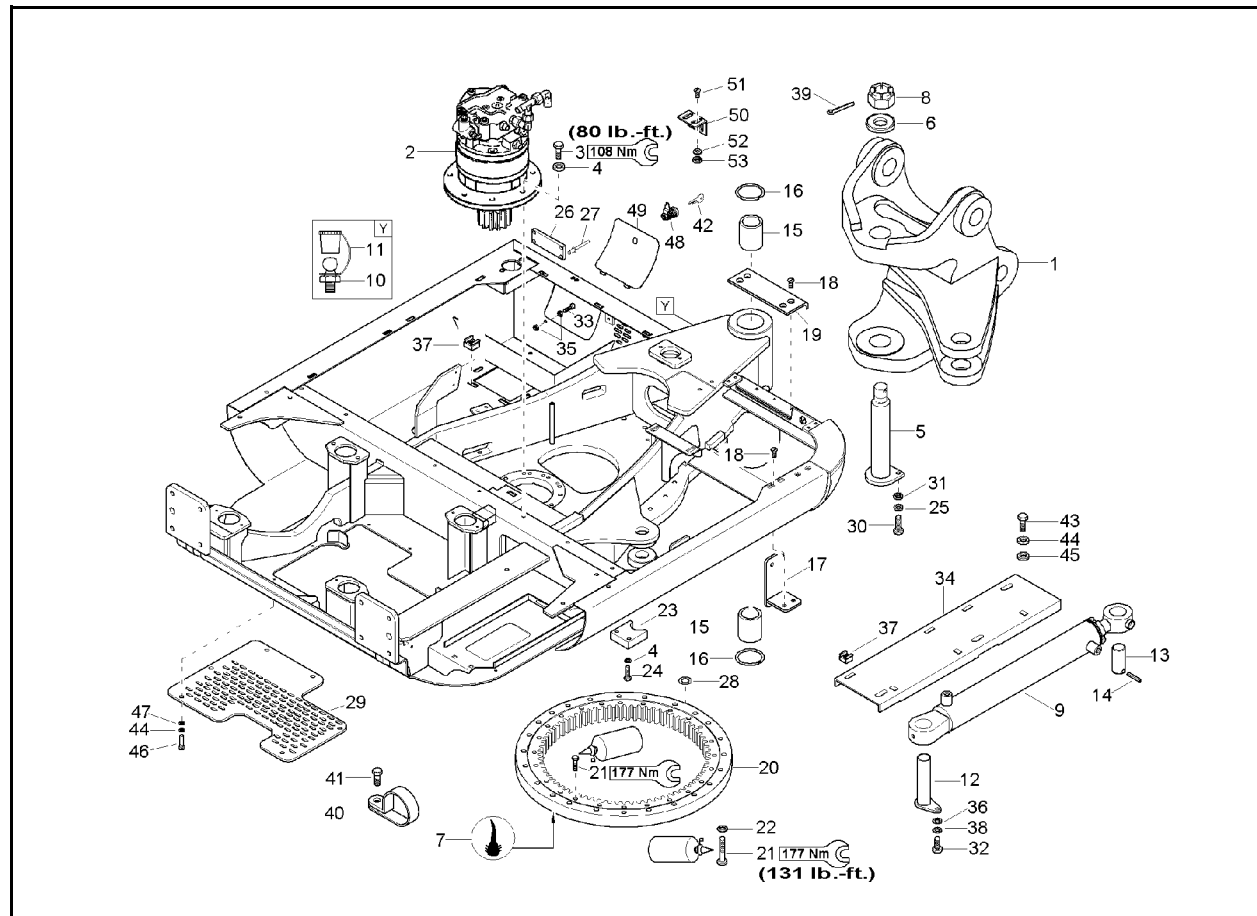
| Ref.<br>No. | Part No. | Description            | Qty. |
|-------------|----------|------------------------|------|
| 10          | 162757   | NUT                    | 1    |
| 11          | 162758   | COTTER PIN             | 1    |
| 12          | 165139   | BRACKET                | 2    |
| 13          | 160983   | SEAL KIT/TENSION WHEEL | 2    |
| 14          | 165138   | SHAFT                  | 1    |
| 15          | 162754   | BUSHING                | 2    |
| 16          | 178067   | RING                   | 2    |
| 17          | 203913   | NON RETURN VALVE       | 2    |

# 3503/3703 - TRACK TENSIONER, STEEL TRACK (OPTION) 1000127207



| Ref. No. | Part No. | Description                     | Qty. |
|----------|----------|---------------------------------|------|
| 1        | 178867   | TRACK TENSIONER COMPLETE        | 1    |
| 2        | 203436   | TENSION WHEEL AND SLIDE         | 1    |
| 3        | 178871   | SPRINGSET                       | 1    |
| 4        | 165128   | GLAND                           | 1    |
| 5        | 165608   | SEAL KIT/TENSION CYLINDER       | 1    |
| 6        | 178870   | TENSION CYLINDER                | 1    |
| 7        | 162750   | PLUG                            | 1    |
| 8        | 651398   | CS M10-1.5 X 35 C10.9 ZY DIN931 | 4    |

| Ref. No. | Part No. | Description            | Qty. |
|----------|----------|------------------------|------|
| 9        | 161623   | LW SPRING B10 DIN7981  | 4    |
| 10       | 162757   | NUT                    | 1    |
| 11       | 162758   | COTTER PIN             | 1    |
| 12       | 165139   | BRACKET                | 2    |
| 13       | 160983   | SEAL KIT/TENSION WHEEL | 1    |
| 14       | 165138   | SHAFT                  | 1    |
| 15       | 162754   | BUSHING                | 2    |



| Ref.<br>No. | Part No. | Description                                                                | Qty. |
|-------------|----------|----------------------------------------------------------------------------|------|
| 1           | 165729   | SWING BRACKET                                                              | 1    |
| 2           | 207049   | TURNTABLE DRIVE UNIT<br>COMPLETE<br>See page 110 for individual components | 1    |
| 3           | 651406   | CS M12-1.75 X 35 C10.9 ZY DIN931                                           | 10   |
| 4           | 161636   | WASHER/NORD-LOCK NL 12                                                     | 12   |
| 5           | 165798   | PIN DM=70 X 419                                                            | 1    |
| 6           | 162734   | WASHER                                                                     | 1    |
| 7           | 205598   | SEAL (1.8M)                                                                | 1    |
| 8           | 651444   | HN SLTD M48-3 F8 ZY DIN935                                                 | 1    |
| 9           | 165739   | SWIVEL CYLINDER<br>See page 152 for individual components                  | 1    |
| 10          | 161411   | GREASE ZERK-7MM HEX HEAD                                                   | 1    |
| 11          | 161422   | CAP                                                                        | 1    |
| 12          | 160815   | PIN                                                                        | 1    |
| 13          | 165803   | PIN DM=40 X 115                                                            | 1    |
| 14          | 651471   | PIN/SPRING M8 X 90                                                         | 1    |
| 15          | 161530   | BUSHING                                                                    | 2    |
| 16          | 161587   | PIN SEAL                                                                   | 2    |
| 17          | 179028   | BRACKET                                                                    | 1    |
| 18          | 651466   | FHCS M8-1.25 X 20 C8.8 ZY DIN7991                                          | 5    |
| 19          | 165706   | COVER                                                                      | 1    |

| Ref.<br>No. | Part No. | Description                     | Qty. |
|-------------|----------|---------------------------------|------|
| 20          | 178983   | TURNTABLE                       | 1    |
| 21          | 162485   | SCREW                           | 48   |
| 22          | 165953   | WASHER                          | 24   |
| 23          | 178985   | BRACKET                         | 1    |
| 24          | 178984   | BRACKET                         | 1    |
| 25          | 163651   | WASHER                          | 2    |
| 26          | 160409   | REFLECTOR                       | 1    |
| 27          | 161627   | POP RIVET A4 X 12               | 2    |
| 28          | 161570   | O-RING                          | 1    |
| 29          | 179040   | COVER                           | 1    |
| 30          | 656122   | CS M12-1.75 X 25 C8.8 ZY DIN931 | 2    |
| 31          | 161642   | WASHER/GR A 13                  | 2    |
| 32          | 656105   | CS M8-1.25 X 25 C8.8 ZY DIN931  | 1    |
| 33          | 651507   | SHCS M6-1 X 20 C8.8 ZY DIN912   | 1    |
| 34          | 165709   | PROFILE                         | 1    |
| 35          | 656047   | HN M6-1 C8 ZY DIN934            | 2    |
| 36          | 163634   | WASHER                          | 1    |
| 37          | 161615   | NUT/CAGE M8                     | 11   |
| 38          | 163670   | LOCKWASHER                      | 1    |
| 39          | 161683   | PIN/SPRING M8 X 80 ZO           | 1    |
| 40          | 165983   | PIPE CLAMP                      | 1    |

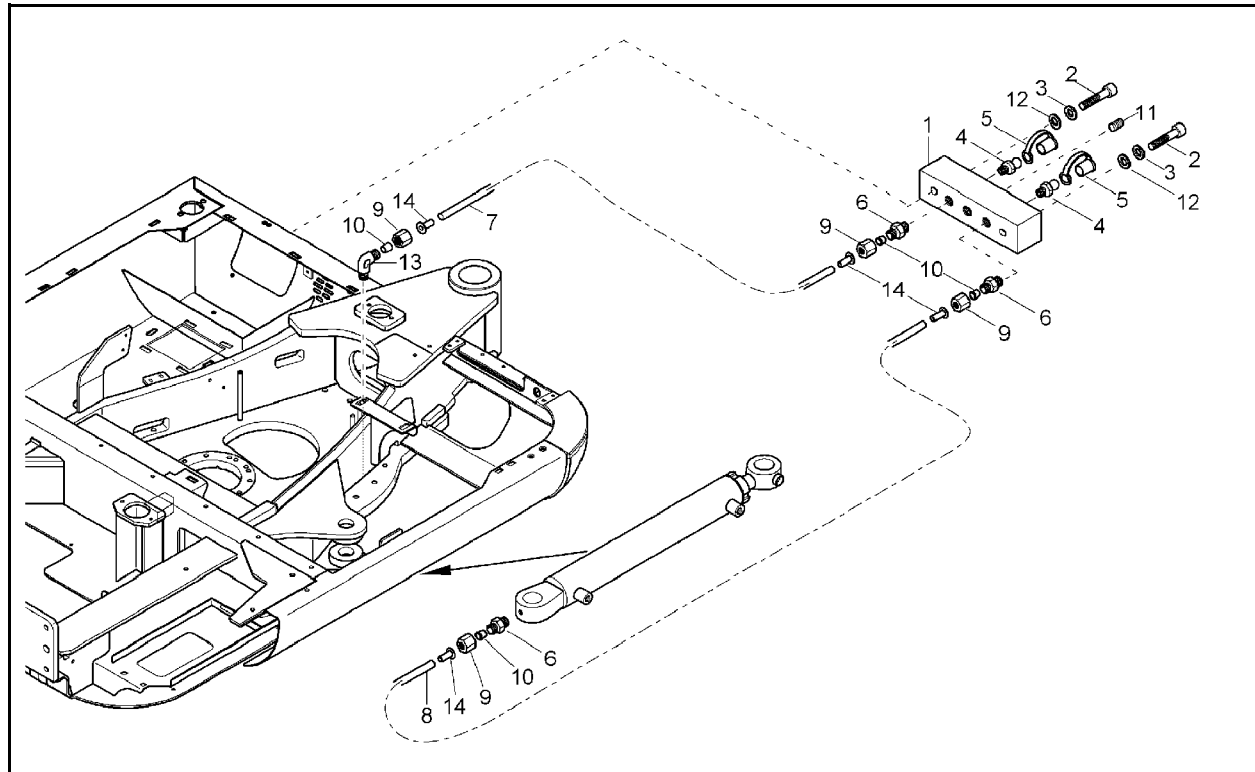
| Ref.<br>No. | Part No. | Description                    | Qty. |
|-------------|----------|--------------------------------|------|
| 41          | 165943   | SCREW                          | 1    |
| 42          | 101792   | KEY*                           | 1    |
| 43          | 651393   | CS M10-1.5 X 25 C8.8 ZY        | 2    |
| 44          | 161669   | LOCKWASHER S10                 | 8    |
| 45          | 163642   | WASHER                         | 2    |
| 46          | 656006   | CS M10-1.5 X 20 C8.8 ZY DIN931 | 6    |
| 47          | 161640   | WASHER/GR A 10.5               | 6    |
| 48          | 2529457G | LOCK W/O KEYS                  | 1    |

| Ref.<br>No. | Part No. | Description                      | Qty. |
|-------------|----------|----------------------------------|------|
| 49          | 178861   | COVER                            | 1    |
| 50          | 178853   | BRACKET                          | 1    |
| 51          | 651460   | FHCS M5-0.8 X 16 C8.8 ZY DIN7991 | 2    |
| 52          | 161659   | WASHER/GR A 5.3 ZO DIN125        | 2    |
| 53          | 651456   | LN INS M5-0.8 C8 ZY DIN6924      | 2    |
| 54          | 651408   | CS M12-1.75 X 40 C10.9 ZY DIN931 | 2    |

**\* Same key(s) to start engine and operate all locks on unit.**

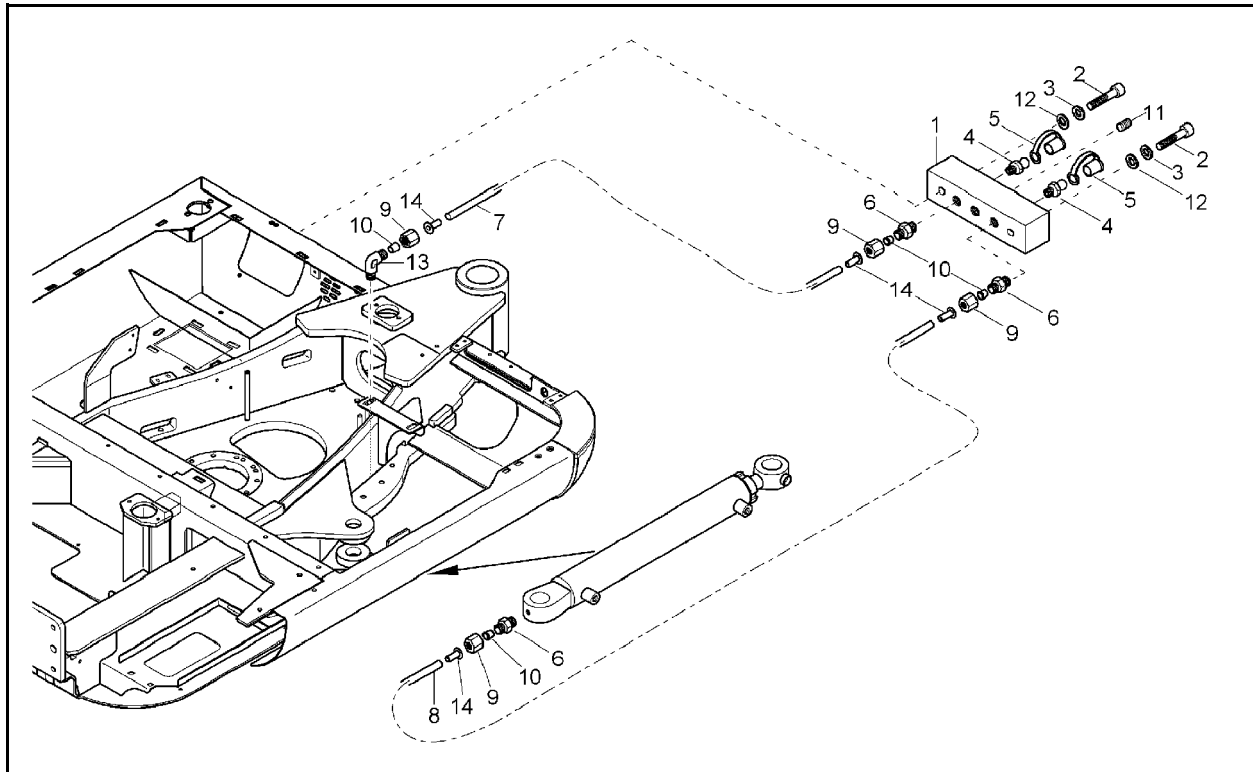
# 3503/3703 - CHASSIS LUBRICATION

1000180969 - (SN AG00580 AND UP)



| Ref. No. | Part No. | Description                 | Qty. |
|----------|----------|-----------------------------|------|
| 1        | 161722   | LUBRICATION ZERK BLOCK      | 1    |
| 2        | 656128   | CS M6-1 X 30 C8.8 ZY DIN931 | 2    |
| 3        | 161675   | LOCKWASHER S6               | 2    |
| 4        | 161411   | GREASE ZERK-7MM HEX HEAD    | 3    |
| 5        | 161422   | CAP                         | 3    |
| 6        | 161461   | SCREW JOINT                 | 3    |
| 7        | 206976   | LUBRICATION TUBE (0.4M)     | 1    |

| Ref. No. | Part No. | Description               | Qty. |
|----------|----------|---------------------------|------|
| 8        | 206971   | LUBRICATION TUBE (1.6M)   | 1    |
| 9        | 161468   | NUT                       | 6    |
| 10       | 161469   | WASHER                    | 6    |
| 11       | 161401   | SET SCREW                 | 1    |
| 12       | 161660   | WASHER GR A6.4 ZO DIN 125 | 2    |
| 13       | 161457   | ELBOW                     | 1    |
| 14       | 206094   | PLUG SLEEVE               | 4    |



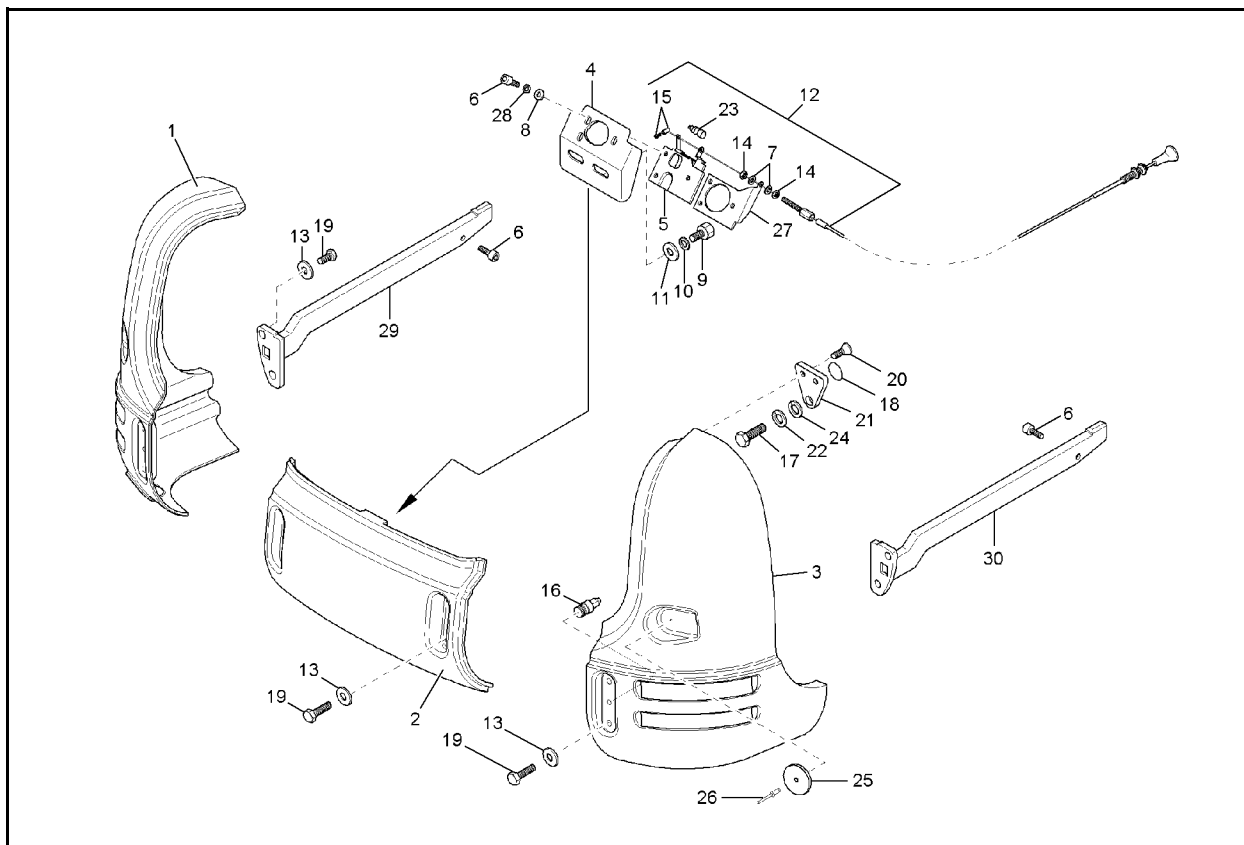
| Ref. | Part No. | Description                 | Qty. |
|------|----------|-----------------------------|------|
| 1    | 161722   | LUBRICATION ZERK BLOCK      | 1    |
| 2    | 656128   | CS M6-1 X 30 C8.8 ZY DIN931 | 2    |
| 3    | 161675   | LOCKWASHER S6               | 2    |
| 4    | 161411   | GREASE ZERK-7MM HEX HEAD    | 3    |
| 5    | 161422   | CAP                         | 3    |
| 6    | 161461   | SCREW JOINT                 | 3    |
| 7    | 206976   | LUBRICATION TUBE (0.4M)     | 1    |

| Ref. | Part No. | Description               | Qty. |
|------|----------|---------------------------|------|
| 8    | 206971   | LUBRICATION TUBE (1.6M)   | 1    |
| 9    | 161468   | NUT                       | 6    |
| 10   | 161469   | WASHER                    | 6    |
| 11   | 161401   | SET SCREW                 | 1    |
| 12   | 161660   | WASHER GR A6.4 ZO DIN 125 | 2    |
| 13   | 161457   | ELBOW                     | 1    |
| 14   | 206094   | PLUG SLEEVE               | 4    |

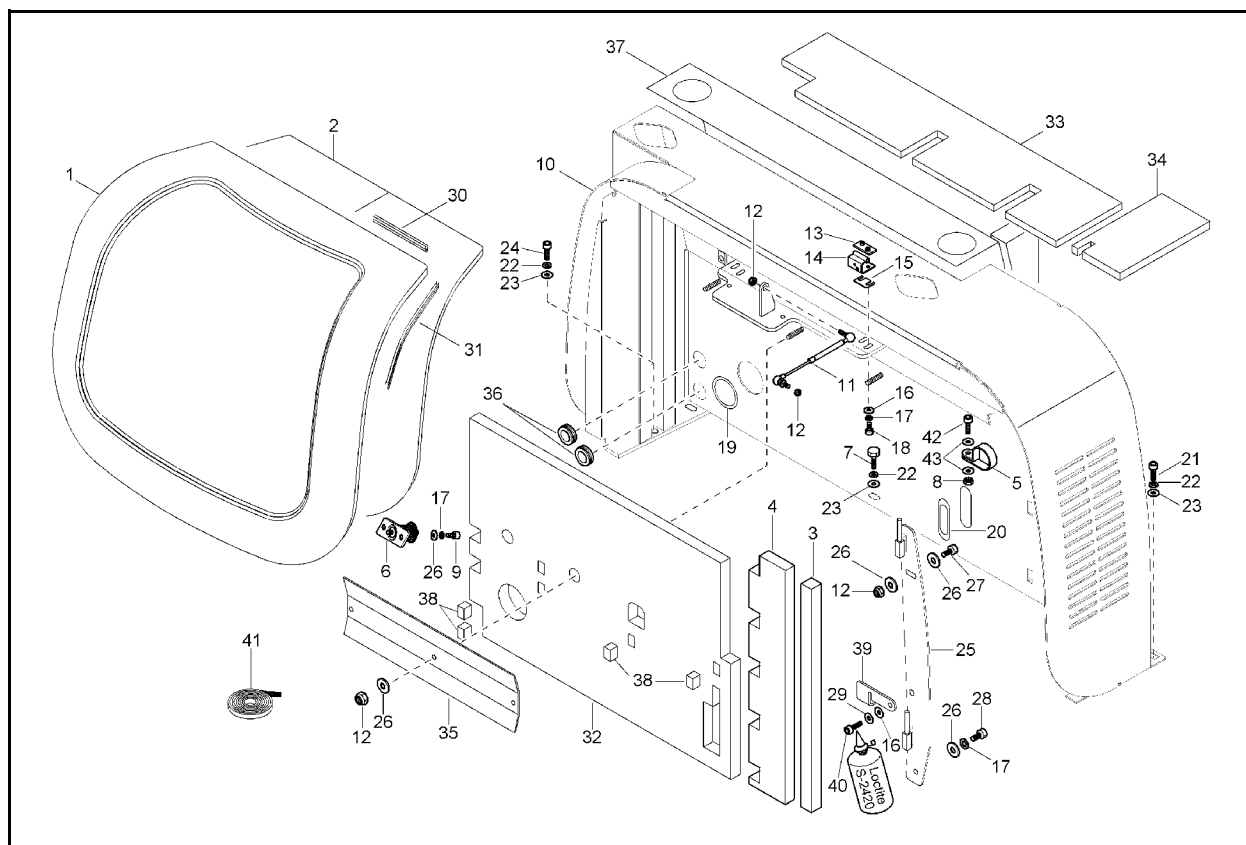
# 3503/3703 - COUNTERWEIGHT

## 1000127214

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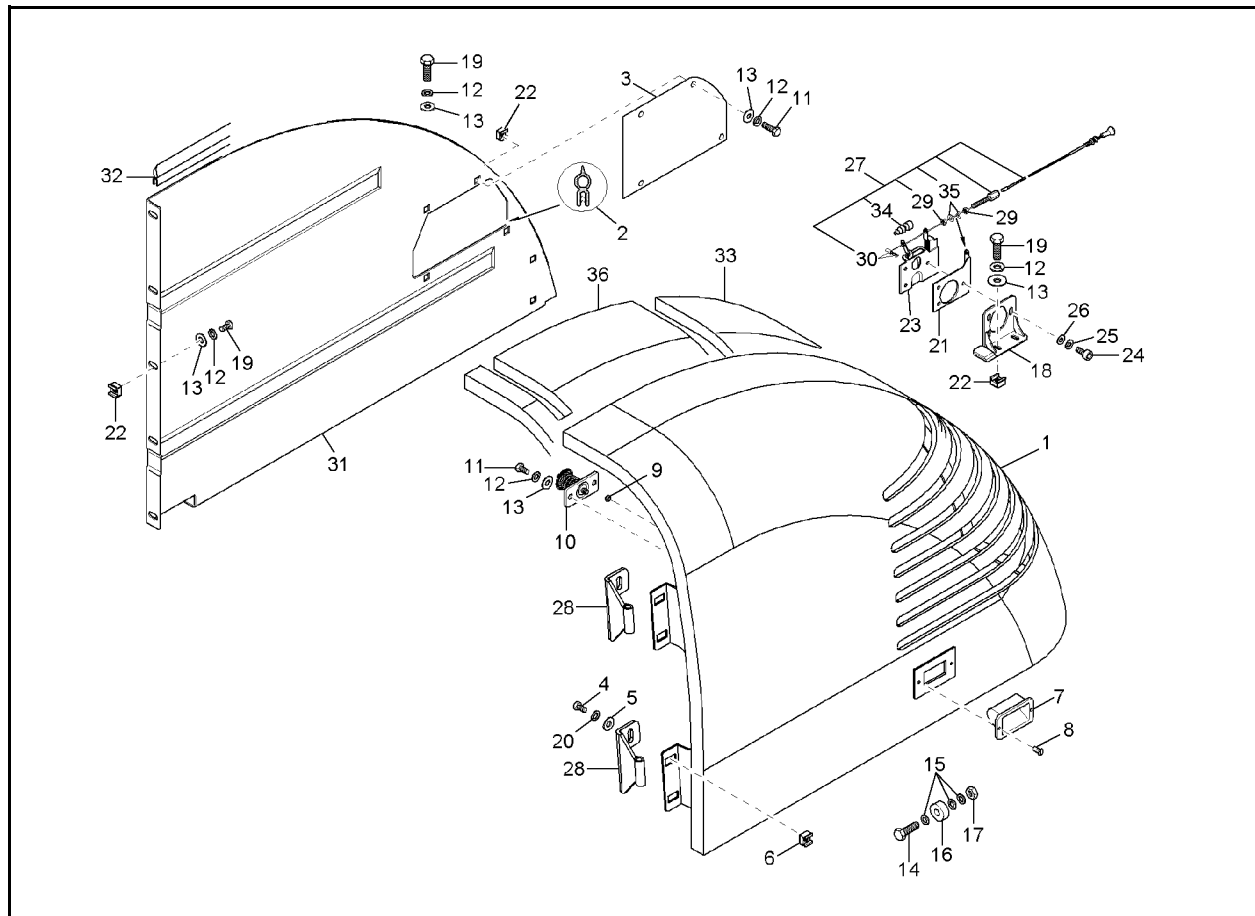


| Ref.<br>No. | Part No.   | Description                   | Qty. | Ref.<br>No. | Part No. | Description                      | Qty. |
|-------------|------------|-------------------------------|------|-------------|----------|----------------------------------|------|
| 1           | 178855     | COUNTERWEIGHT LT              | 1    | 16          | 178852   | PIN                              | 2    |
| 2           | 179037     | FENDER                        | 1    | 17          | 651405   | CS M12-1.75 X 30 C10.9 ZY DIN931 | 2    |
| 3           | 178854     | COUNTERWEIGHT RT              | 1    | 18          | 165107   | COVER                            | 2    |
| 4           | 165078     | BRACKET                       | 1    | 19          | 9901732G | HEX HEAD SCREW                   | 12   |
| 5           | 161062     | BRACKET                       | 1    | 20          | 162041   | SCREW                            | 4    |
| 6           | 651507     | SHCS M6-1 X 20 C8.8 ZY DIN912 | 5    | 21          | 165098   | EXTENSION ROD                    | 2    |
| 7           | 163634     | WASHER                        | 2    | 22          | 163651   | WASHER                           | 2    |
| 8           | 161660     | WASHER GR A6.4 ZO DIN 125     | 3    | 23          | 164698   | BELLOWS                          | 1    |
| 9           | 177648     | HEX SCREW                     | 2    | 24          | 161645   | WASHER/GR A 13 DIN7349           | 2    |
| 10          | 163670     | LOCKWASHER                    | 2    | 25          | 165222   | REFLECTOR                        | 2    |
| 11          | 7462680011 | WASHER 8.4 ST A2C             | 2    | 26          | 161627   | POP RIVET A4 X 12                | 2    |
| 12          | 165059     | CABLE                         | 1    | 27          | 164667   | ANGLE                            | 1    |
| 13          | 163645     | WASHER                        | 12   | 28          | 161675   | LOCKWASHER S6                    | 3    |
| 14          | 656048     | HN M8-1.25 C8 ZY DIN934       | 2    | 29          | 179039   | FENDER LT                        | 1    |
| 15          | 161929     | CABLE LOCK                    | 1    | 30          | 207033   | FENDER RT                        | 1    |

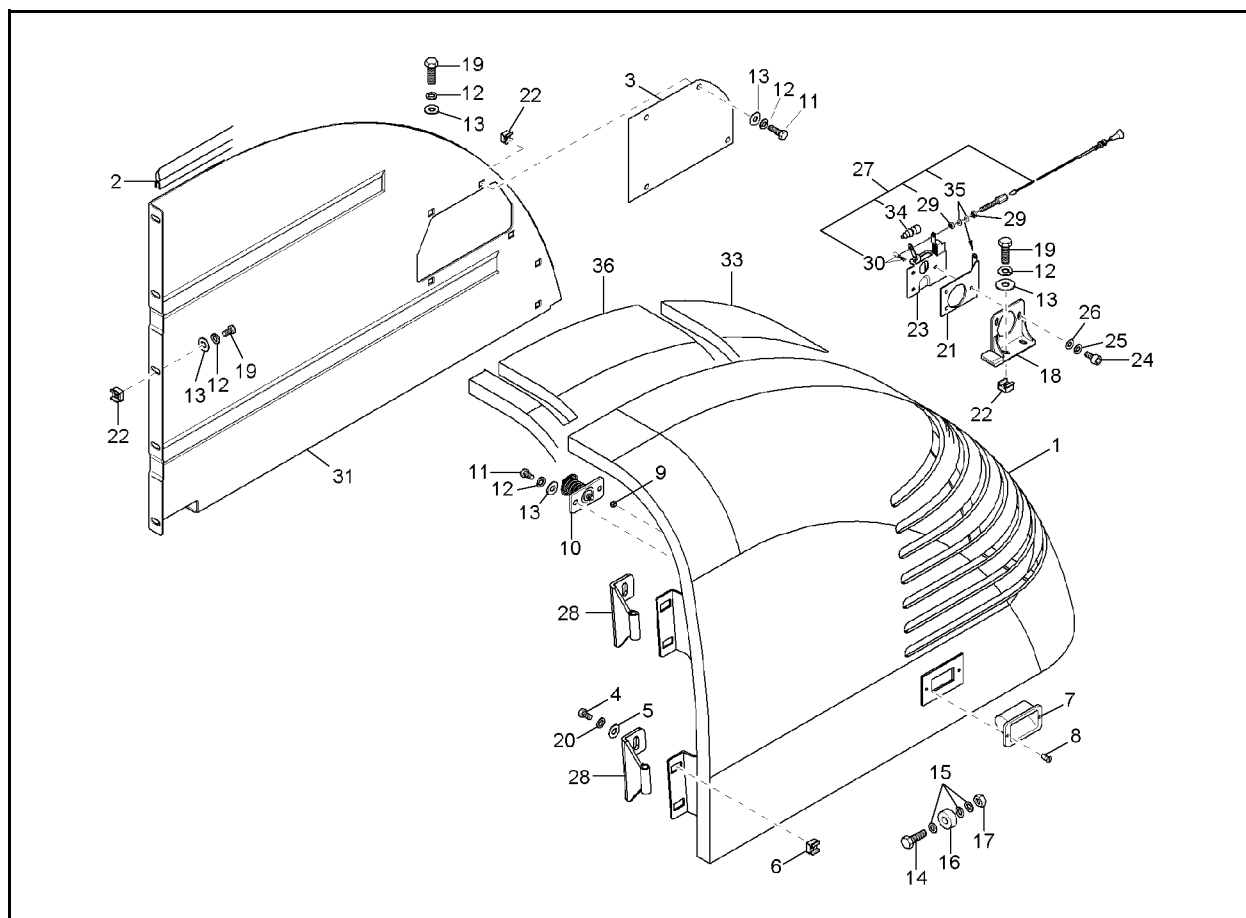


| Ref.<br>No. | Part No. | Description                       | Qty. | Ref.<br>No. | Part No.   | Description                       | Qty. |
|-------------|----------|-----------------------------------|------|-------------|------------|-----------------------------------|------|
| 1           | 179035   | ENGINE HOOD                       | 1    | 23          | 163642     | WASHER                            | 12   |
| 2           | 165804   | ISOLATION MAT                     | 1    | 24          | 651473     | SHCS M10-1.25 X 25 F8.8 ZY DIN912 | 4    |
| 3           | 165560   | ISOLATION MAT                     | 1    | 25          | 165079     | STEERING                          | 1    |
| 4           | 165806   | ISOLATION MAT                     | 1    | 26          | 7462680011 | WASHER 8.4 ST A2C                 | 8    |
| 5           | 165114   | CLAMP                             | 1    | 27          | 656105     | CS M8-1.25 X 25 C8.8 ZY DIN931    | 1    |
| 6           | 161061   | LATCH                             | 1    | 28          | 177648     | HEX SCREW                         | 1    |
| 7           | 651393   | CS M10-1.5 X 25 C8.8 ZY           | 1    | 29          | 162487     | WASHER                            | 1    |
| 8           | 651457   | LN INS M6-1 C8 ZY DIN6924         | 1    | 30          | 206973     | RUBBER PROFILE (0.72M)            | 1    |
| 9           | 656093   | CS M8-1.25 X 16 C8.8 ZY DIN931    | 2    | 31          | 206974     | RUBBER PROFILE (2.30M)            | 1    |
| 10          | 207032   | REAR WALL                         | 1    | 32          | 165552     | ISOLATION MAT                     | 1    |
| 11          | 161204   | PNEUMATIC SPRING                  | 1    | 33          | 165805     | ISOLATION MAT                     | 1    |
| 12          | 651458   | LN INS M8-1.25 C8 ZY DIN6924      | 6    | 34          | 165807     | ISOLATION MAT                     | 1    |
| 13          | 162716   | PLATE                             | 2    | 35          | 165068     | STEEL                             | 1    |
| 14          | 160882   | HINGE                             | 2    | 36          | 165913     | RUBBER FUNNEL                     | 2    |
| 15          | 162675   | SHIM (1.0M)                       | 2    | 37          | 179021     | ISOLATION MAT                     | 1    |
| 16          | 163634   | WASHER                            | 5    | 38          | 165559     | ISOLATION MAT                     | 4    |
| 17          | 163670   | LOCKWASHER                        | 7    | 39          | 165094     | BRACKET                           | 1    |
| 18          | 651517   | SHCS M8-1.25 X 30 C8.8 ZY DIN912  | 4    | 40          | 651430     | CS M8-1.25 X 12 C8.8 ZY DIN931    | 1    |
| 19          | 207088   | HOSE PROFILE (0.15M)              | 1    | 41          | 207143     | VELCRO STRAP 25MM (4.0M)          | 1    |
| 20          | 207089   | HOSE PROFILE (0.20M)              | 1    | 42          | 651424     | CS M6-1 X 20 C8.8 ZY DIN931       | 1    |
| 21          | 651475   | SHCS M10-1.25 X 30 F8.8 ZY DIN912 | 7    | 43          | 161660     | WASHER GR A6.4 ZO DIN 125         | 2    |
| 22          | 161669   | LOCKWASHER S10                    | 12   |             |            |                                   |      |

# 3503/3703 - VALVE COVER <https://truckmanualshub.com/> 1000151986 - (SN AD03790 AND UP)



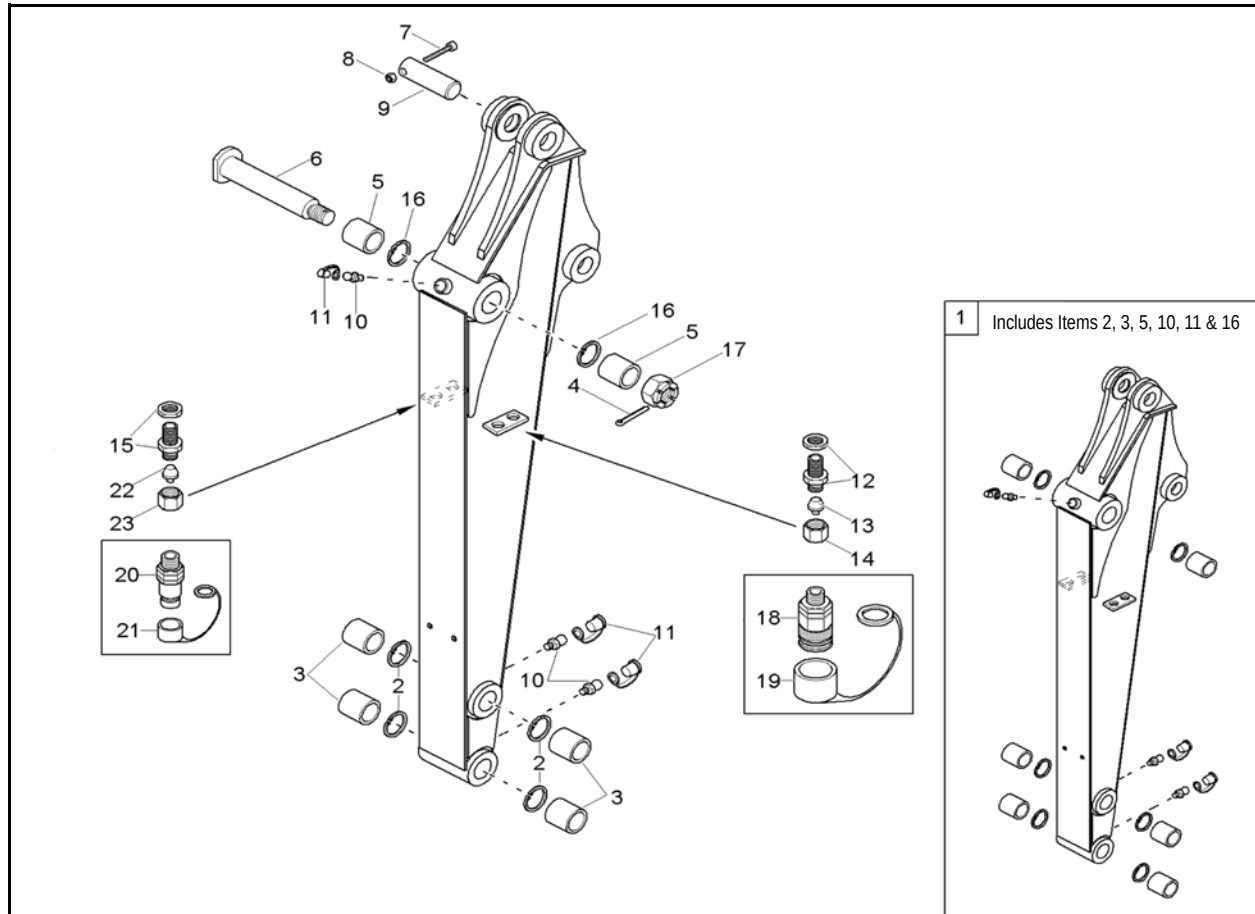
| Ref.<br>No. | Part No.   | Description                     | Qty. | Ref.<br>No. | Part No. | Description                   | Qty. |
|-------------|------------|---------------------------------|------|-------------|----------|-------------------------------|------|
| 1           | 165984     | VALVE COVER                     | 1    | 19          | 177648   | HEX SCREW                     | 11   |
| 2           | 206036     | RUBBER PROFILE (0.6M)           | 1    | 20          | 161669   | LOCKWASHER S10                | 4    |
| 3           | 207034     | SEPARATION PLATE COVER          | 1    | 21          | 164667   | ANGLE                         | 1    |
| 4           | 651393     | CS M10-1.5 X 25 C8.8 ZY         | 4    | 22          | 161615   | NUT/CAGE M8                   | 11   |
| 5           | 161663     | WASHER/GR A 10.5 ZO             | 4    | 23          | 161062   | BRACKET                       | 1    |
| 6           | 161610     | NUT/CAGE M10                    | 4    | 24          | 651507   | SHCS M6-1 X 20 C8.8 ZY DIN912 | 3    |
| 7           | 161064     | HANDLE                          | 1    | 25          | 161675   | LOCKWASHER S6                 | 3    |
| 8           | 651459     | FHCS M14-2 X 16 C8.8 ZY DIN7991 | 2    | 26          | 161660   | WASHER GR A6.4 ZO DIN 125     | 3    |
| 9           | 656116     | HN M4-0.7 C8 ZY DIN934          | 2    | 27          | 165061   | CABLE                         | 1    |
| 10          | 161061     | LATCH                           | 1    | 28          | 165080   | HINGE                         | 2    |
| 11          | 656093     | CS M8-1.25 X 16 C8.8 ZY DIN931  | 6    | 29          | 656048   | HN M8-1.25 C8 ZY DIN934       | 2    |
| 12          | 163670     | LOCKWASHER                      | 17   | 30          | 161929   | CABLE LOCK                    | 1    |
| 13          | 7462680011 | WASHER 8.4 ST A2C               | 17   | 31          | 206086   | PARTITION WALL                | 1    |
| 14          | 656139     | CS M6-1 X 35 C8.8 ZY DIN931     | 1    | 32          | 207161   | RUBBER EXTRUSION (1.3M)       | 1    |
| 15          | 7462680008 | WASHER                          | 3    | 33          | 165809   | ISOLATION MAT                 | 1    |
| 16          | 165109     | WHEEL                           | 1    | 34          | 164698   | BELLOWS                       | 1    |
| 17          | 651457     | LN INS M6-1 C8 ZY DIN6924       | 1    | 35          | 163634   | WASHER                        | 2    |
| 18          | 165077     | BRACKET                         | 1    | 36          | 165808   | ISOLATION MAT                 | 1    |



| Ref.<br>No. | Part No.   | Description                        | Qty. |
|-------------|------------|------------------------------------|------|
| 1           | 165984     | VALVE COVER                        | 1    |
| 2           | 207161     | RUBBER EXTRUSION (1.3M)            | 1    |
| 3           | 207034     | SEPARATION PLATE COVER<br>(CANOPY) | 1    |
| 4           | 651393     | CS M10-1.5 X 25 C8.8 ZY            | 4    |
| 5           | 161663     | WASHER/GR A 10.5 ZO                | 4    |
| 6           | 161610     | NUT/CAGE M10                       | 4    |
| 7           | 161064     | HANDLE                             | 1    |
| 8           | 651459     | FHCS M14-2 X 16 C8.8 ZY DIN7991    | 2    |
| 9           | 656116     | HN M4-0.7 C8 ZY DIN934             | 2    |
| 10          | 161061     | LATCH                              | 1    |
| 11          | 656093     | CS M8-1.25 X 16 C8.8 ZY DIN931     | 6    |
| 12          | 163670     | LOCKWASHER                         | 17   |
| 13          | 7462680011 | WASHER 8.4 ST A2C                  | 17   |
| 14          | 656139     | CS M6-1 X 35 C8.8 ZY DIN931        | 1    |
| 15          | 7462680008 | WASHER                             | 3    |
| 16          | 165109     | WHEEL                              | 1    |
| 17          | 651457     | LN INS M6-1 C8 ZY DIN6924          | 1    |
| 18          | 165077     | BRACKET                            | 1    |
| 19          | 177648     | HEX SCREW                          | 11   |

| Ref.<br>No. | Part No. | Description                               | Qty. |
|-------------|----------|-------------------------------------------|------|
| 20          | 161669   | LOCKWASHER S10                            | 4    |
| 21          | 164667   | ANGLE                                     | 1    |
| 22          | 161615   | NUT/CAGE M8                               | 11   |
| 23          | 161062   | BRACKET                                   | 1    |
| 24          | 651507   | SHCS M6-1 X 20 C8.8 ZY DIN912             | 3    |
| 25          | 161675   | LOCKWASHER S6                             | 3    |
| 26          | 161660   | WASHER GR A6.4 ZO DIN 125                 | 3    |
| 27          | 165061   | CABLE                                     | 1    |
|             | 203927   | CABLE (CANOPY)                            | 8    |
| 28          | 165080   | HINGE                                     | 2    |
| 29          | 656048   | HN M8-1.25 C8 ZY DIN934                   | 2    |
| 30          | 161929   | CABLE LOCK                                | 1    |
| 31          | 207035   | PARTITION WALL<br>(SN AD02911 and up)     | 1    |
|             | 165071   | PARTITION WALL<br>(SN AD02910 and before) | 1    |
| 33          | 165809   | ISOLATION MAT                             | 1    |
| 34          | 164698   | BELLOWS                                   | 1    |
| 35          | 163634   | WASHER                                    | 2    |
| 36          | 165808   | ISOLATION MAT                             | 1    |

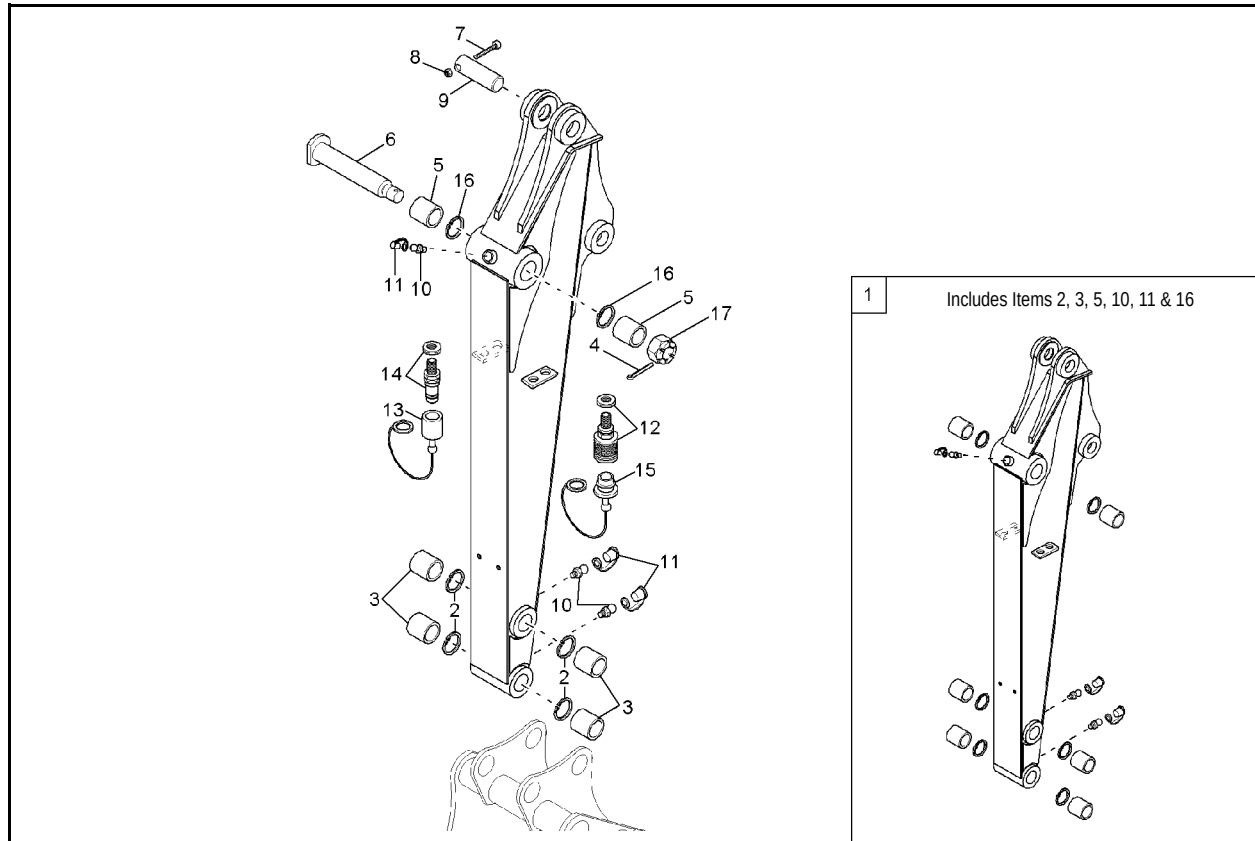
**3503/3703 - DIPPER ARM, SHORT** <http://www.manualshub.com/>  
**1000144642 - (SN AD02689 AND UP)**



| Ref.<br>No. | Part No. | Description                                                               | Qty. |
|-------------|----------|---------------------------------------------------------------------------|------|
| 1           | 204883   | DIPPER ARM, SHORT/<br>PRE-ASSEMBLED<br>See page 161 for required HP hoses | 1    |
| 2           | 161686   | SNAP RING                                                                 | 4    |
| 3           | 161536   | BUSHING                                                                   | 4    |
| 4           | 161682   | PIN/SPRING M6.3 X 63 ZO                                                   | 1    |
| 5           | 161542   | BUSHING                                                                   | 2    |
| 6           | 165799   | PIN DM=45 X 286                                                           | 1    |
| 7           | 651439   | HB M8-1.25 X 80 C8.8 ZY                                                   | 1    |
| 8           | 651458   | LN INS M8-1.25 C8 ZY DIN6924                                              | 1    |
| 9           | 160807   | PIN                                                                       | 1    |
| 10          | 161411   | GREASE ZERK-7MM HEX HEAD                                                  | 3    |
| 11          | 161422   | CAP                                                                       | 3    |

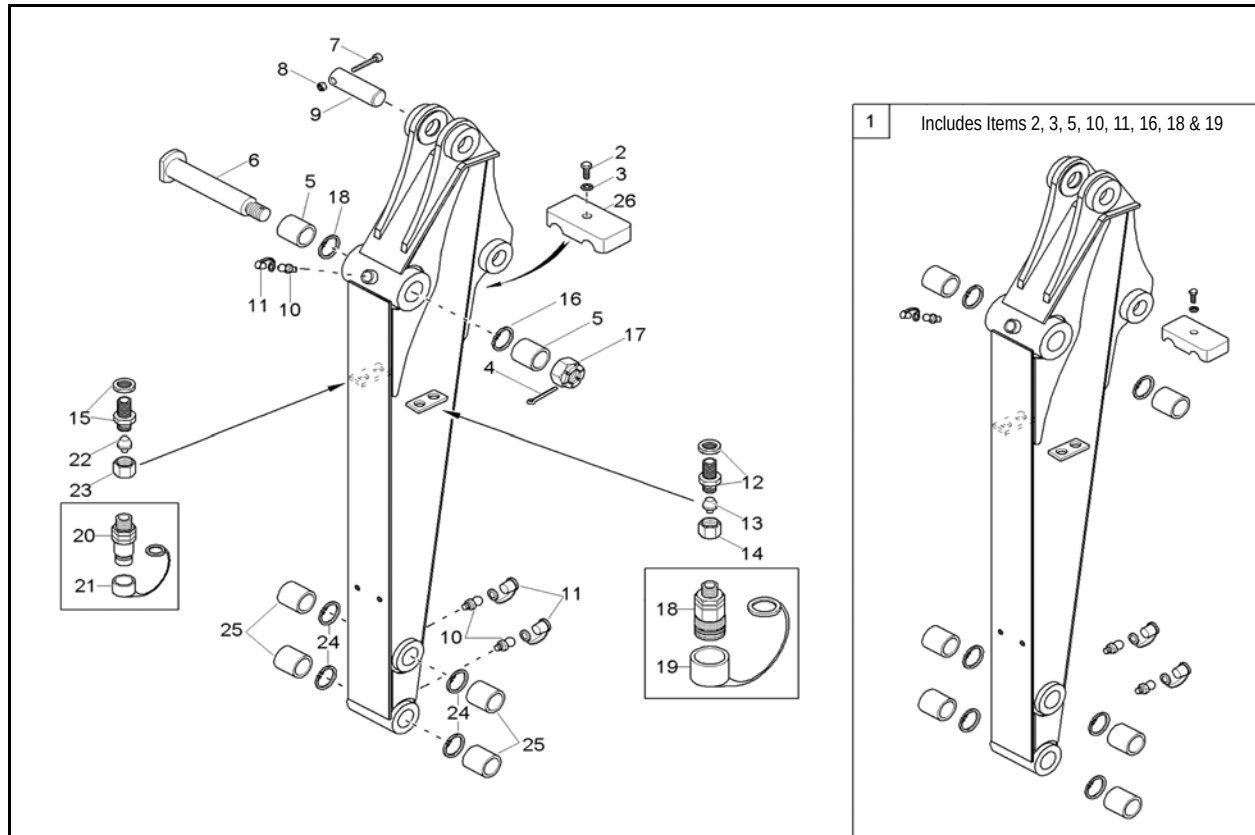
| Ref.<br>No. | Part No. | Description                   | Qty. |
|-------------|----------|-------------------------------|------|
| 12          | 161505   | SCREW JOINT                   | 1    |
| 13          | 207038   | FITTING                       | 1    |
| 14          | 207039   | NUT                           | 1    |
| 15          | 161484   | SCREW JOINT                   | 1    |
| 16          | 161687   | RING/SNAP B55 D7993           | 2    |
| 17          | 651443   | HN SLTD M36-4 C8ZY DIN935     | 1    |
| 18          | 178570   | COUPLING/FEMALE A13 18L-S BG3 | 1    |
| 19          | 177804   | CAP                           | 1    |
| 20          | 178569   | COUPLING/MALE A13 15L-S BG3   | 1    |
| 21          | 177803   | CAP                           | 1    |
| 22          | 207040   | LOCK PLUG                     | 1    |
| 23          | 207041   | NUT                           | 1    |

# 3503/3703 - DIPPER ARM, SHORT 1000127221 - (SN AD02688 AND BEFORE)



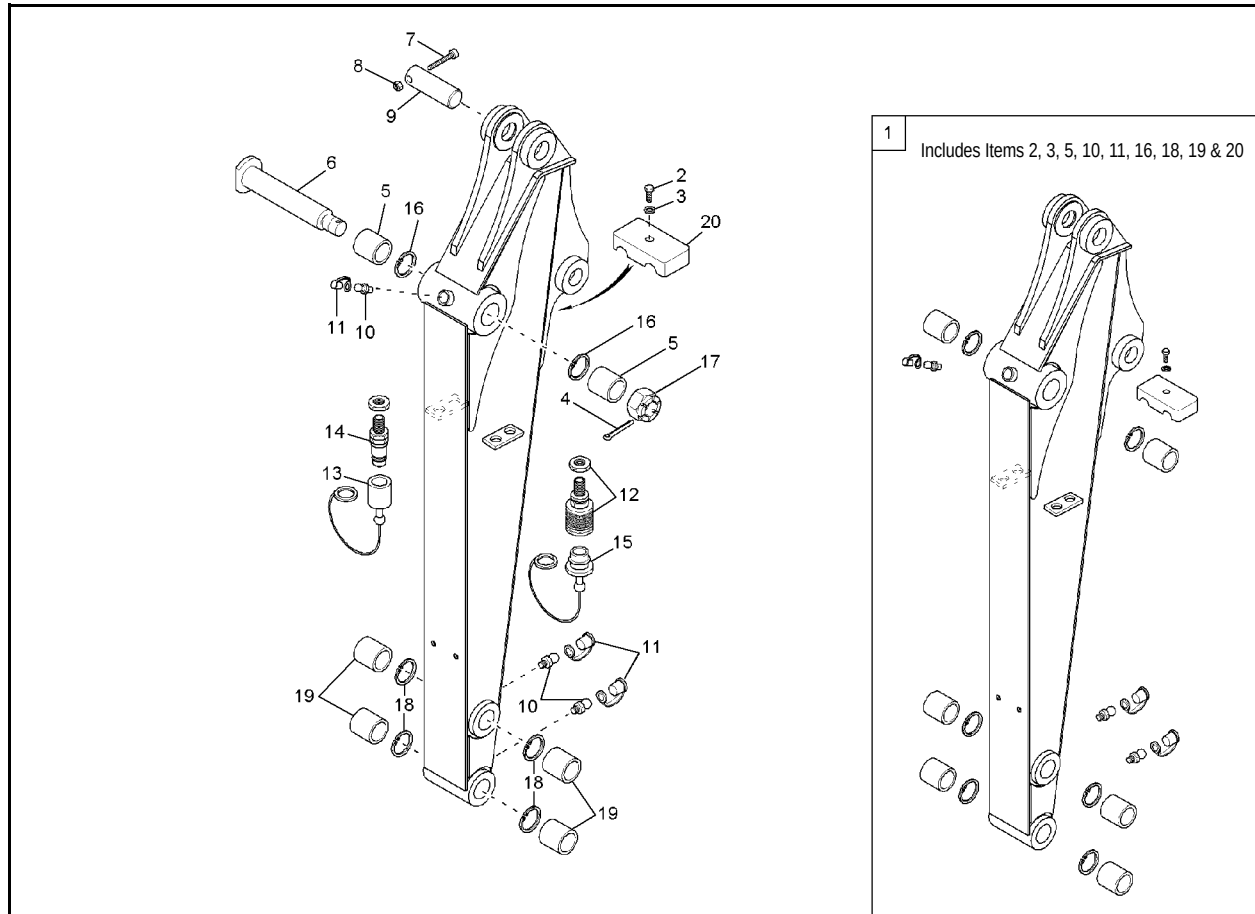
| Ref.<br>No. | Part No. | Description                                                               | Qty. | Ref.<br>No. | Part No. | Description                  | Qty. |
|-------------|----------|---------------------------------------------------------------------------|------|-------------|----------|------------------------------|------|
| 1           | 204883   | DIPPER ARM, SHORT/<br>PRE-ASSEMBLED<br>See page 161 for required HP hoses | 1    | 9           | 160807   | PIN                          | 1    |
| 2           | 161686   | SNAP RING                                                                 | 4    | 10          | 161411   | GREASE ZERK-7MM HEX HEAD     | 3    |
| 3           | 161536   | BUSHING                                                                   | 4    | 11          | 161422   | CAP                          | 3    |
| 4           | 161682   | PIN/SPRING M6.3 X 63 ZO                                                   | 1    | 12          | 160724   | QUICK COUPLER-OLD STYLE ONLY | 1    |
| 5           | 161542   | BUSHING                                                                   | 2    | 13          | 160459   | DUST CAP-OLD STYLE ONLY      | 1    |
| 6           | 165799   | PIN DM=45 X 286                                                           | 1    | 14          | 160725   | QUICK COUPLER-OLD STYLE ONLY | 1    |
| 7           | 651439   | HB M8-1.25 X 80 C8.8 ZY                                                   | 1    | 15          | 160458   | DUST PLUG-OLD STYLE ONLY     | 1    |
| 8           | 651458   | LN INS M8-1.25 C8 ZY DIN6924                                              | 1    | 16          | 161687   | RING/SNAP B55 D7993          | 2    |
|             |          |                                                                           |      | 17          | 651443   | HN SLTD M36-4 C8ZY DIN935    | 1    |

**3503/3703 - DIPPER ARM, LONG** <http://www.truckmanualshub.com/>  
**1000144643 - (SN AD02689 AND UP)**



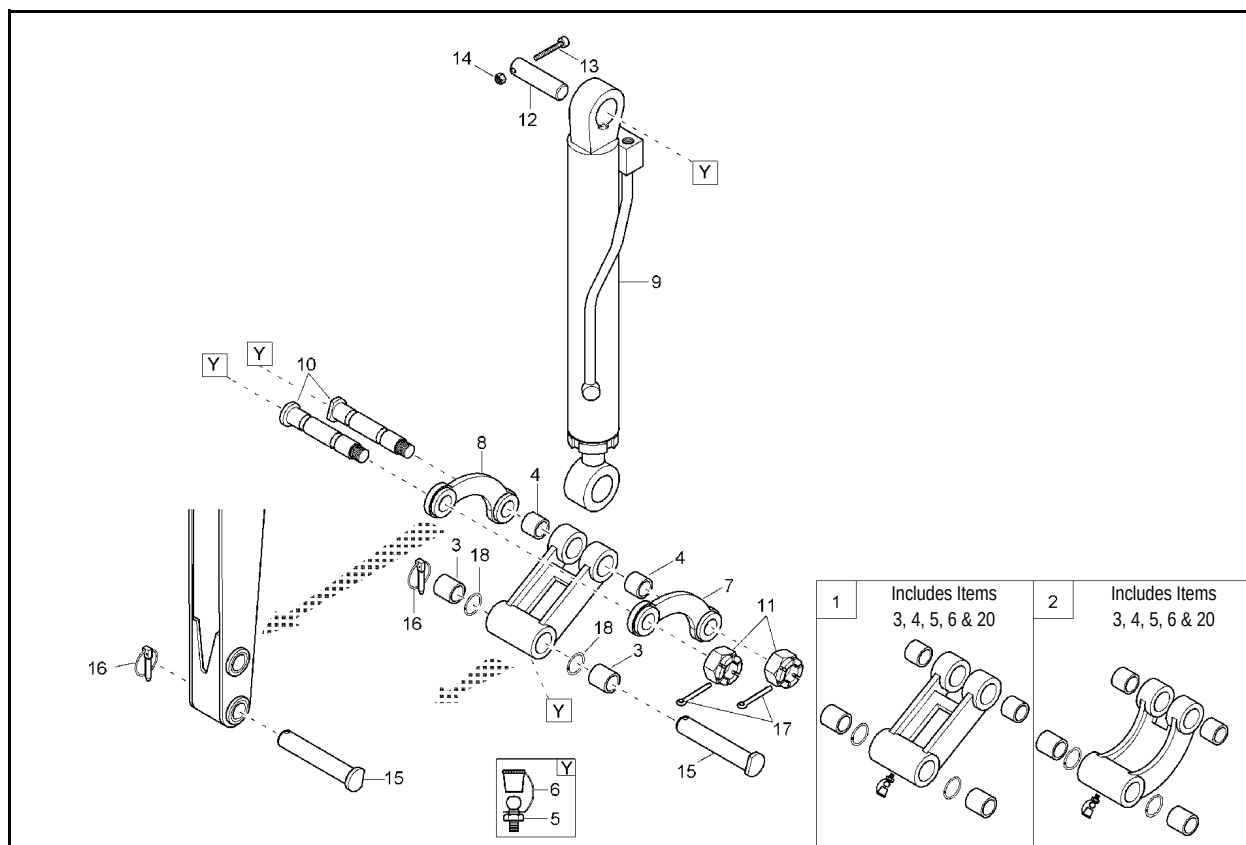
| Ref.<br>No. | Part No. | Description                                                              | Qty. |
|-------------|----------|--------------------------------------------------------------------------|------|
| 1           | 204884   | DIPPER ARM, LONG/<br>PRE-ASSEMBLED<br>See page 161 for required HP hoses | 1    |
| 2           | 651397   | CS M10-1.5 X 35 C8.8 ZY                                                  | 1    |
| 3           | 161669   | LOCKWASHER S10                                                           | 1    |
| 4           | 161682   | PIN/SPRING M6.3 X 63 ZO                                                  | 1    |
| 5           | 161542   | BUSHING                                                                  | 2    |
| 6           | 165799   | PIN DM=45 X 286                                                          | 1    |
| 7           | 651439   | HB M8-1.25 X 80 C8.8 ZY                                                  | 1    |
| 8           | 651458   | LN INS M8-1.25 C8 ZY DIN6924                                             | 1    |
| 9           | 160807   | PIN                                                                      | 1    |
| 10          | 161411   | GREASE ZERK-7MM HEX HEAD                                                 | 3    |
| 11          | 161422   | CAP                                                                      | 3    |
| 12          | 161505   | SCREW JOINT                                                              | 1    |
| 13          | 207038   | FITTING                                                                  | 1    |

| Ref.<br>No. | Part No. | Description                   | Qty. |
|-------------|----------|-------------------------------|------|
| 14          | 207039   | NUT                           | 1    |
| 15          | 161484   | SCREW JOINT                   | 1    |
| 16          | 161687   | RING/SNAP B55 D7993           | 2    |
| 17          | 651443   | HN SLTD M36-4 C8ZY DIN935     | 1    |
| 18          | 178570   | COUPLING/FEMALE A13 18L-S BG3 | 1    |
| 19          | 177804   | CAP                           | 1    |
| 20          | 178569   | COUPLING/MALE A13 15L-S BG3   | 1    |
| 21          | 177803   | CAP                           | 1    |
| 22          | 207040   | LOCK PLUG                     | 1    |
| 23          | 207041   | NUT                           | 1    |
| 24          | 161686   | SNAP RING                     | 4    |
| 25          | 161536   | BUSHING                       | 4    |
| 26          | 203566   | HOSE CLAMP                    | 1    |



| Ref.<br>No. | Part No. | Description                                                              | Qty. |
|-------------|----------|--------------------------------------------------------------------------|------|
| 1           | 204884   | DIPPER ARM, LONG/<br>PRE-ASSEMBLED<br>See page 161 for required HP hoses | 1    |
| 2           | 651397   | CS M10-1.5 X 35 C8.8 ZY                                                  | 1    |
| 3           | 161669   | LOCKWASHER S10                                                           | 1    |
| 4           | 161682   | PIN/SPRING M6.3 X 63 ZO                                                  | 1    |
| 5           | 161542   | BUSHING                                                                  | 2    |
| 6           | 165799   | PIN DM=45 X 286                                                          | 1    |
| 7           | 651439   | HB M8-1.25 X 80 C8.8 ZY                                                  | 1    |
| 8           | 651458   | LN INS M8-1.25 C8 ZY DIN6924                                             | 1    |
| 9           | 160807   | PIN                                                                      | 1    |
| 10          | 161411   | GREASE ZERK-7MM HEX HEAD                                                 | 3    |

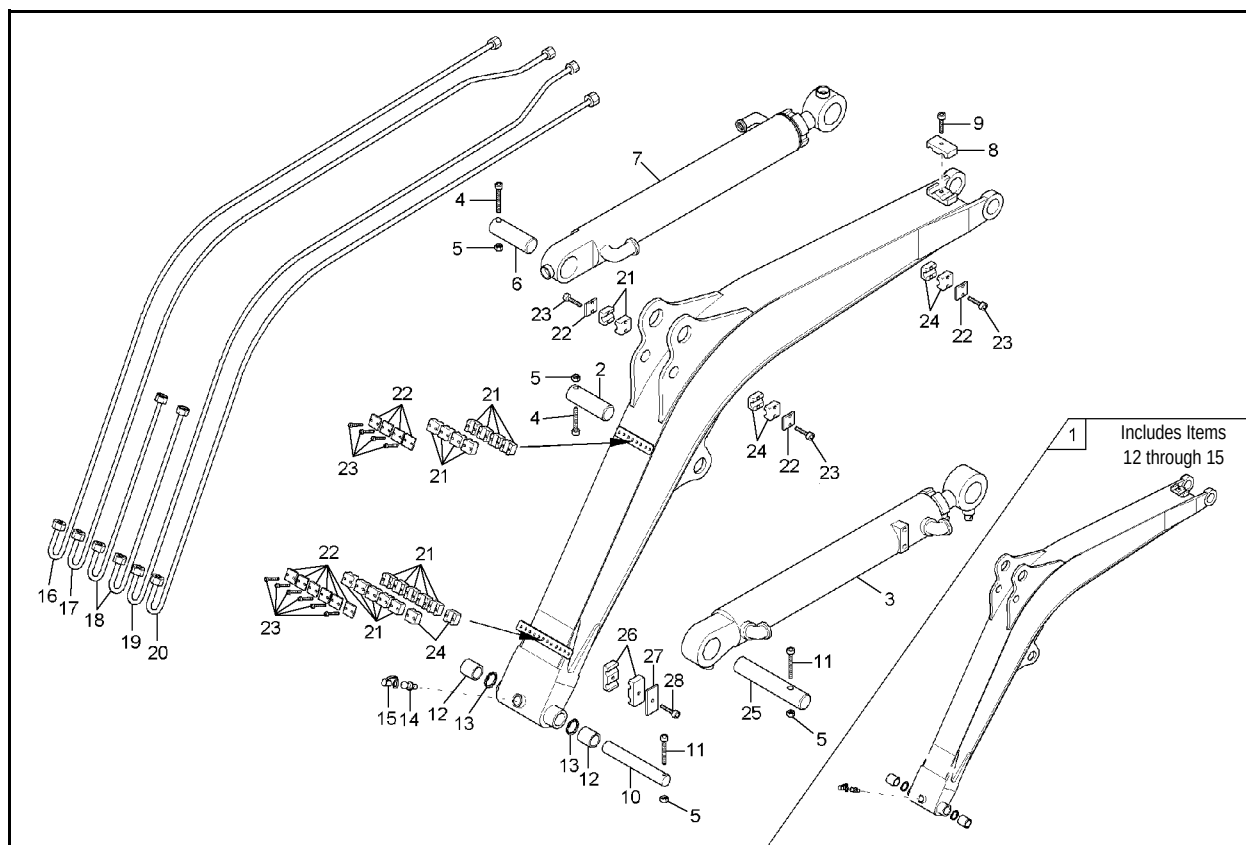
| Ref.<br>No. | Part No. | Description                  | Qty. |
|-------------|----------|------------------------------|------|
| 11          | 161422   | CAP                          | 3    |
| 12          | 160724   | QUICK COUPLER-OLD STYLE ONLY | 1    |
| 13          | 160459   | DUST CAP-OLD STYLE ONLY      | 1    |
| 14          | 160725   | QUICK COUPLER-OLD STYLE ONLY | 1    |
| 15          | 160458   | DUST PLUG-OLD STYLE ONLY     | 1    |
| 16          | 161687   | RING/SNAP B55 D7993          | 2    |
| 17          | 651443   | HN SLTD M36-4 C8ZY DIN935    | 1    |
| 18          | 161686   | SNAP RING                    | 4    |
| 19          | 161536   | BUSHING                      | 4    |
| 20          | 203566   | HOSE CLAMP                   | 1    |



| Ref.<br>No. | Part No. | Description                                               | Qty. |
|-------------|----------|-----------------------------------------------------------|------|
| 1           | 165730   | CONNECTING LINK ASSY                                      | 1    |
| 2           | 165731   | CONNECTING LINK ASSY*                                     | 1    |
| 3           | 161536   | BUSHING                                                   | 2    |
| 4           | 161533   | BUSHING                                                   | 2    |
| 5           | 161411   | GREASE ZERK-7MM HEX HEAD                                  | 4    |
| 6           | 161422   | CAP                                                       | 4    |
| 7           | 165724   | CONNECTING LINK LT                                        | 1    |
| 8           | 165723   | CONNECTING LINK RT                                        | 1    |
| 9           | 165735   | BUCKET CYLINDER<br>See page 151 for individual components | 1    |
| 10          | 160802   | PIN                                                       | 2    |

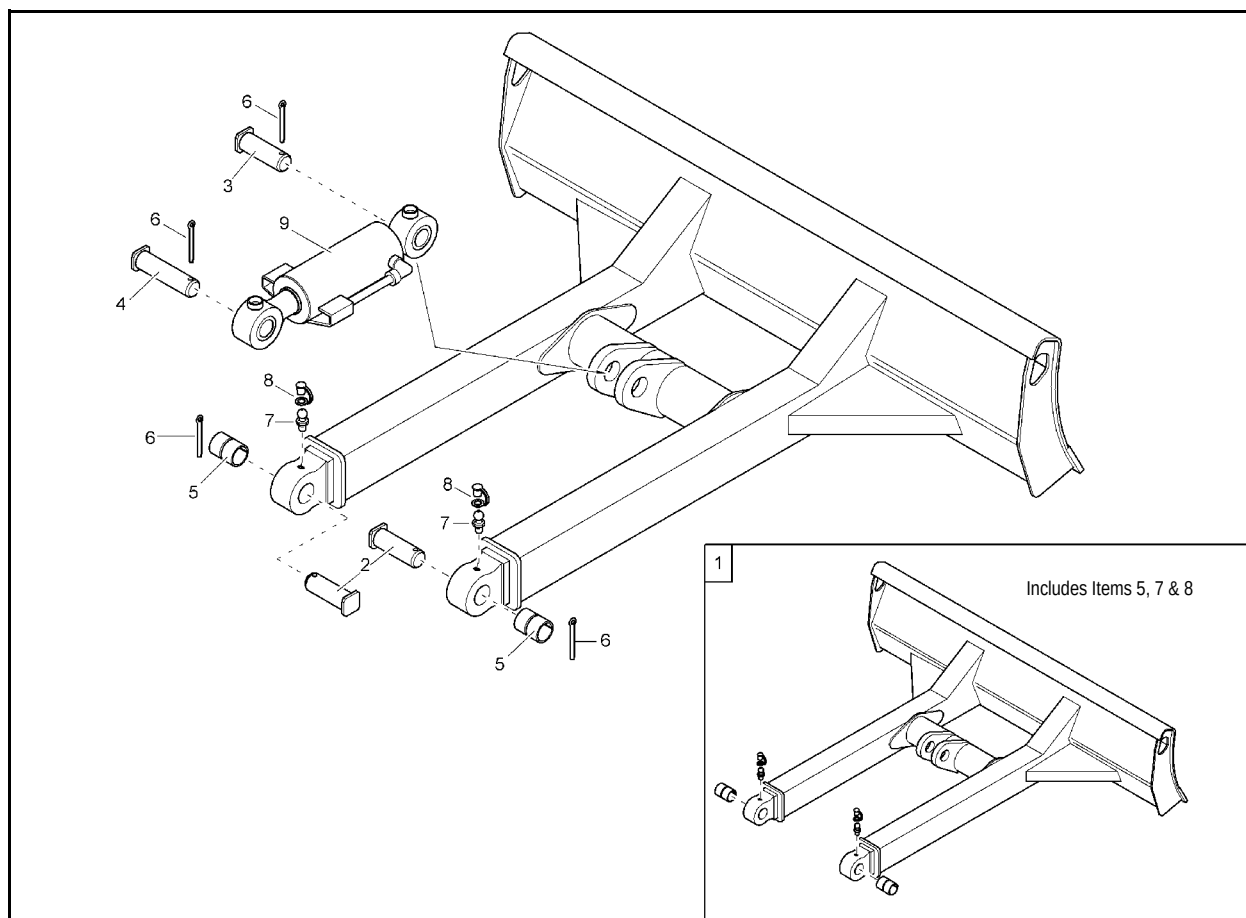
| Ref.<br>No. | Part No. | Description                  | Qty. |
|-------------|----------|------------------------------|------|
| 11          | 651443   | HN SLTD M36-4 C8ZY DIN935    | 2    |
| 12          | 165801   | PIN DM=40 X 152              | 1    |
| 13          | 651439   | HB M8-1.25 X 80 C8.8 ZY      | 1    |
| 14          | 651458   | LN INS M8-1.25 C8 ZY DIN6924 | 1    |
| 15          | 160803   | PIN                          | 2    |
| 16          | 162489   | COTTER PIN                   | 2    |
| 17          | 161682   | PIN/SPRING M6.3 X 63 ZO      | 2    |
| 18          | 161686   | SNAP RING                    | 2    |

**\* Use only on previous model buckets. Contact your Gehl dealer for more information.**



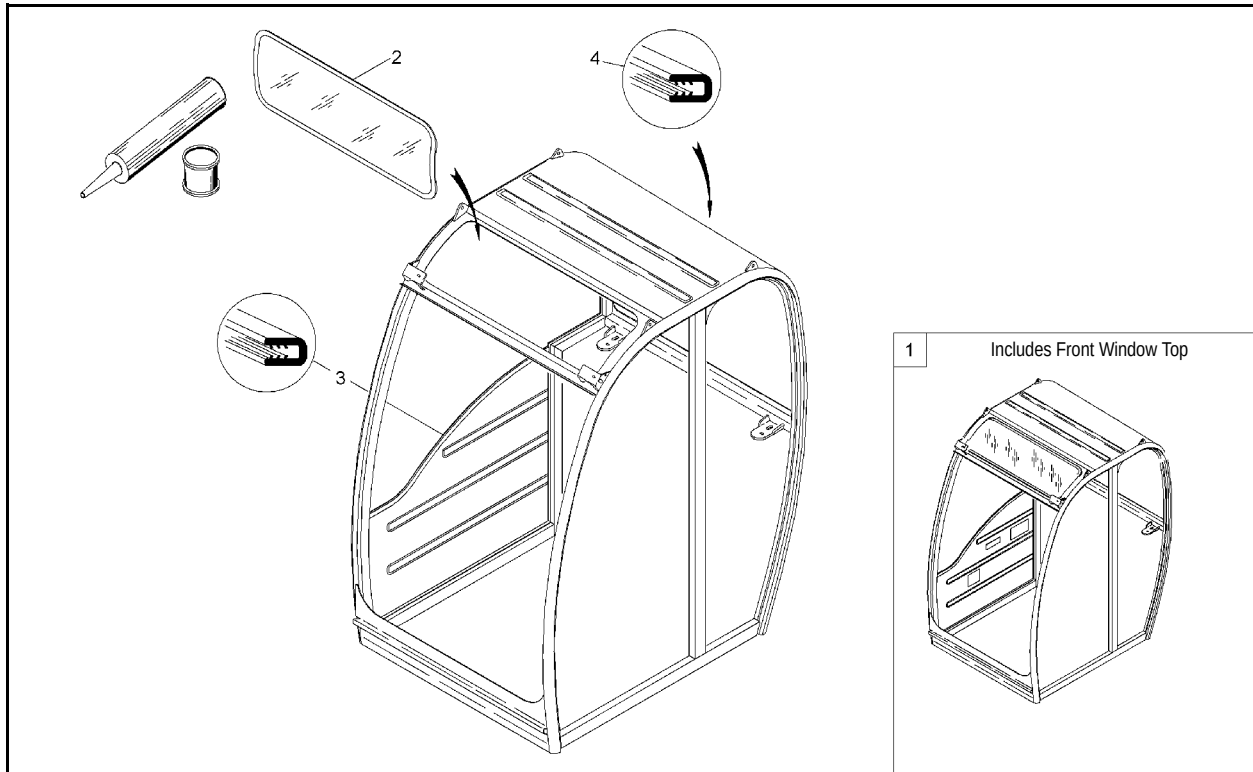
| Ref.<br>No. | Part No. | Description                                                   | Qty. | Ref.<br>No. | Part No. | Description                 | Qty. |
|-------------|----------|---------------------------------------------------------------|------|-------------|----------|-----------------------------|------|
| 1           | 165732   | BOOM/PRE-ASSEMBLED                                            | 1    | 15          | 161422   | CAP                         | 1    |
| 2           | 165737   | BOOM CYLINDER<br>See page 149 for individual components       | 1    | 16          | 165758   | TUBE AD15 LT                | 1    |
| 3           | 165800   | PIN DM=45 X 136                                               | 1    | 17          | 165760   | TUBE AD15 UPPER LT          | 1    |
| 4           | 651440   | HB M8-1.25 X 90 C8.8 ZY                                       | 2    | 18          | 165756   | TUBE AD15                   | 2    |
| 5           | 651458   | LN INS M8-1.25 C8 ZY DIN6924                                  | 4    | 19          | 165759   | TUBE AD15 UPPER RT          | 1    |
| 6           | 165810   | PIN DM=40 X 137                                               | 1    | 20          | 165757   | TUBE AD18 RT                | 1    |
| 7           | 165736   | DIPPER ARM CYLINDER<br>See page 150 for individual components | 1    | 21          | 161557   | COLLAR                      | 22   |
| 8           | 161556   | TUBE CLAMP                                                    | 2    | 22          | 162066   | COVER                       | 14   |
| 9           | 656008   | CS M10-1.5 X 30 C8.8 ZY DIN931                                | 1    | 23          | 656139   | CS M6-1 X 35 C8.8 ZY DIN931 | 28   |
| 10          | 165695   | PIN DM=50 X 316                                               | 1    | 24          | 161554   | TUBE CLAMP                  | 6    |
| 11          | 163347   | SCREW                                                         | 2    | 25          | 165802   | PIN DM=45 X 182             | 1    |
| 12          | 161535   | BUSHING                                                       | 2    | 26          | 162503   | COLLAR                      | 2    |
| 13          | 162599   | WASHER                                                        | 2    | 27          | 162502   | COVER                       | 1    |
| 14          | 161411   | GREASE ZERK-7MM HEX HEAD                                      | 1    | 28          | 651434   | HB M8-1.25 X 45 C8.8 ZY     | 1    |

# 3503/3703 - DOZER BLADE <https://truckmanualshub.com/> 1000133351

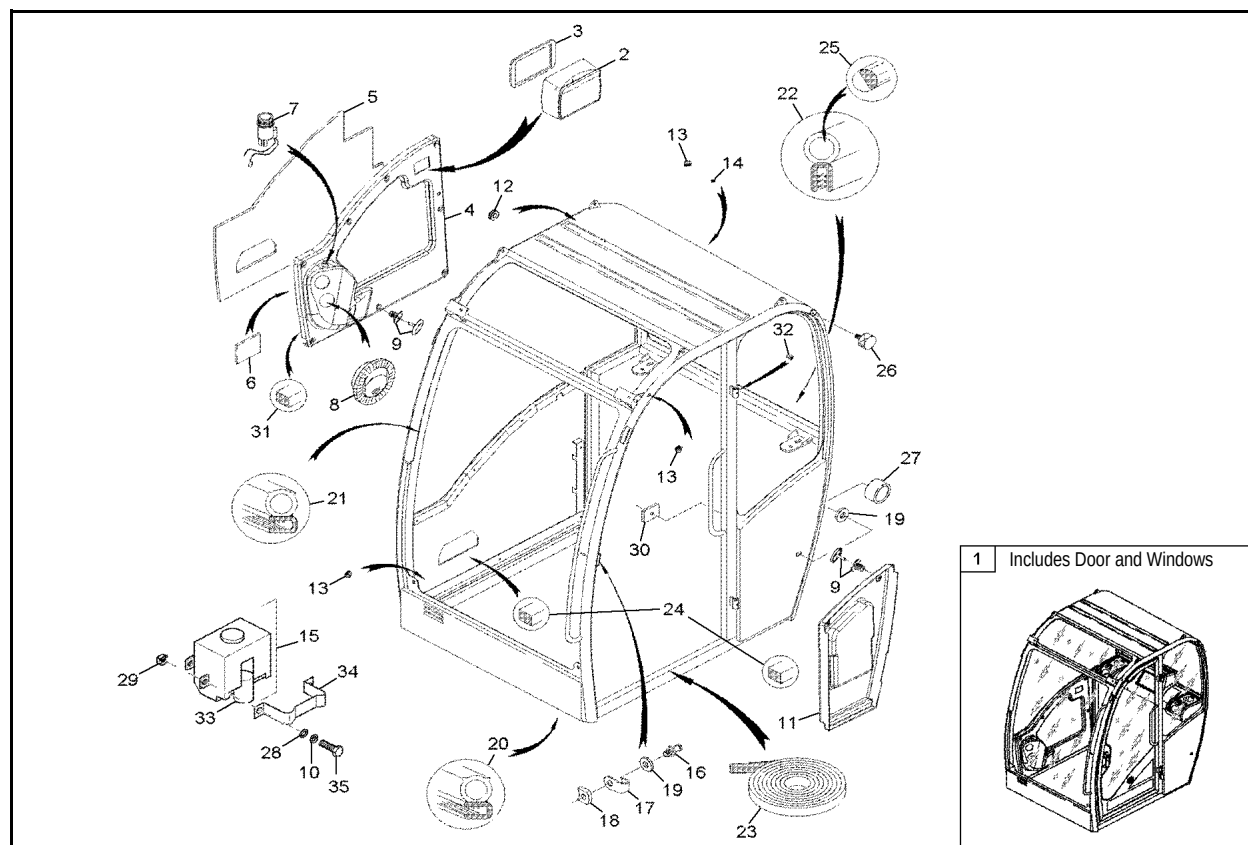


| Ref.<br>No. | Part No. | Description               | Qty. |
|-------------|----------|---------------------------|------|
| 1           | 203573   | PRE-ASSEMBLED DOZER BLADE | 1    |
| 2           | 160941   | PIN                       | 2    |
| 3           | 160943   | PIN                       | 1    |
| 4           | 160940   | PIN                       | 1    |
| 5           | 161532   | BUSHING                   | 2    |

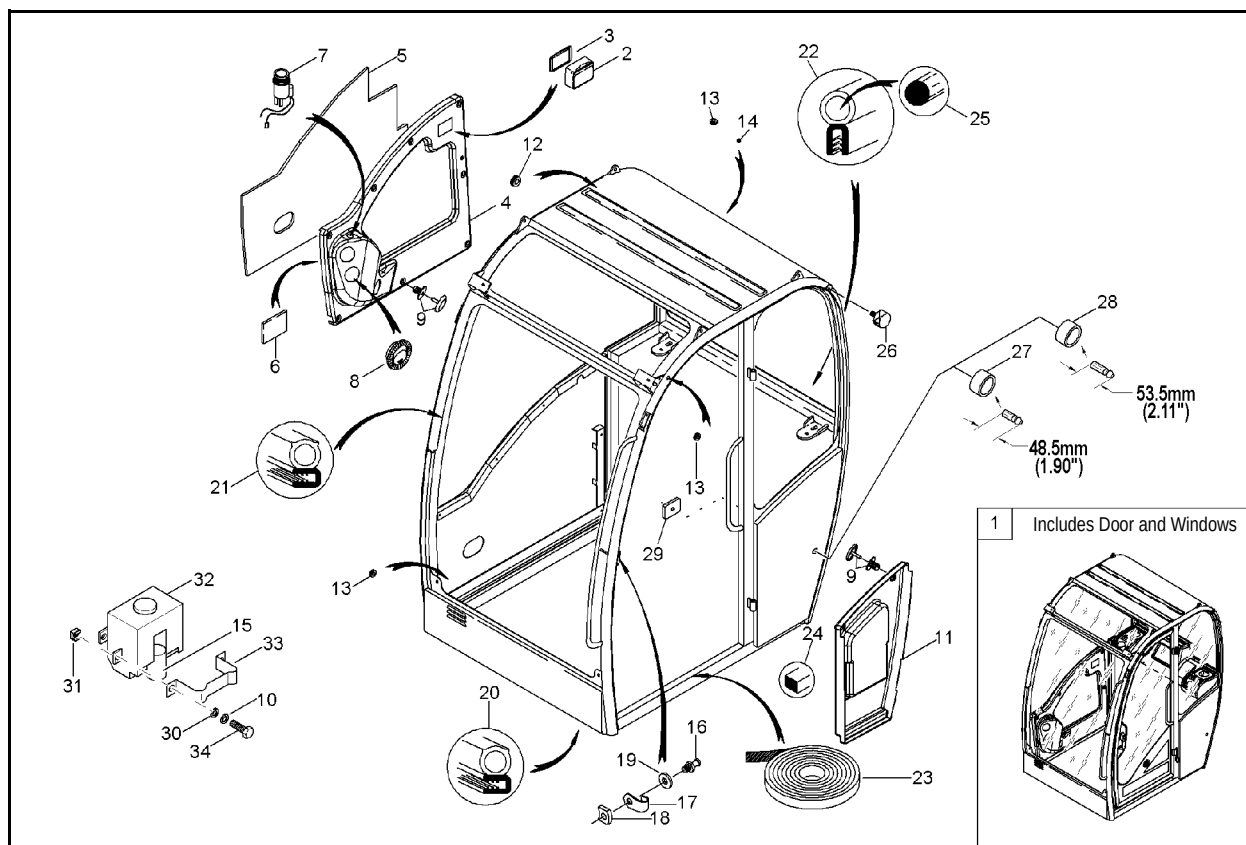
| Ref.<br>No. | Part No. | Description                                                    | Qty. |
|-------------|----------|----------------------------------------------------------------|------|
| 6           | 161683   | PIN/SPRING M8 X 80 ZO                                          | 4    |
| 7           | 161411   | GREASE ZERK-7MM HEX HEAD                                       | 2    |
| 8           | 161416   | CAP                                                            | 2    |
| 9           | 165740   | DOZER BLADE CYLINDER<br>See page 155 for individual components | 1    |



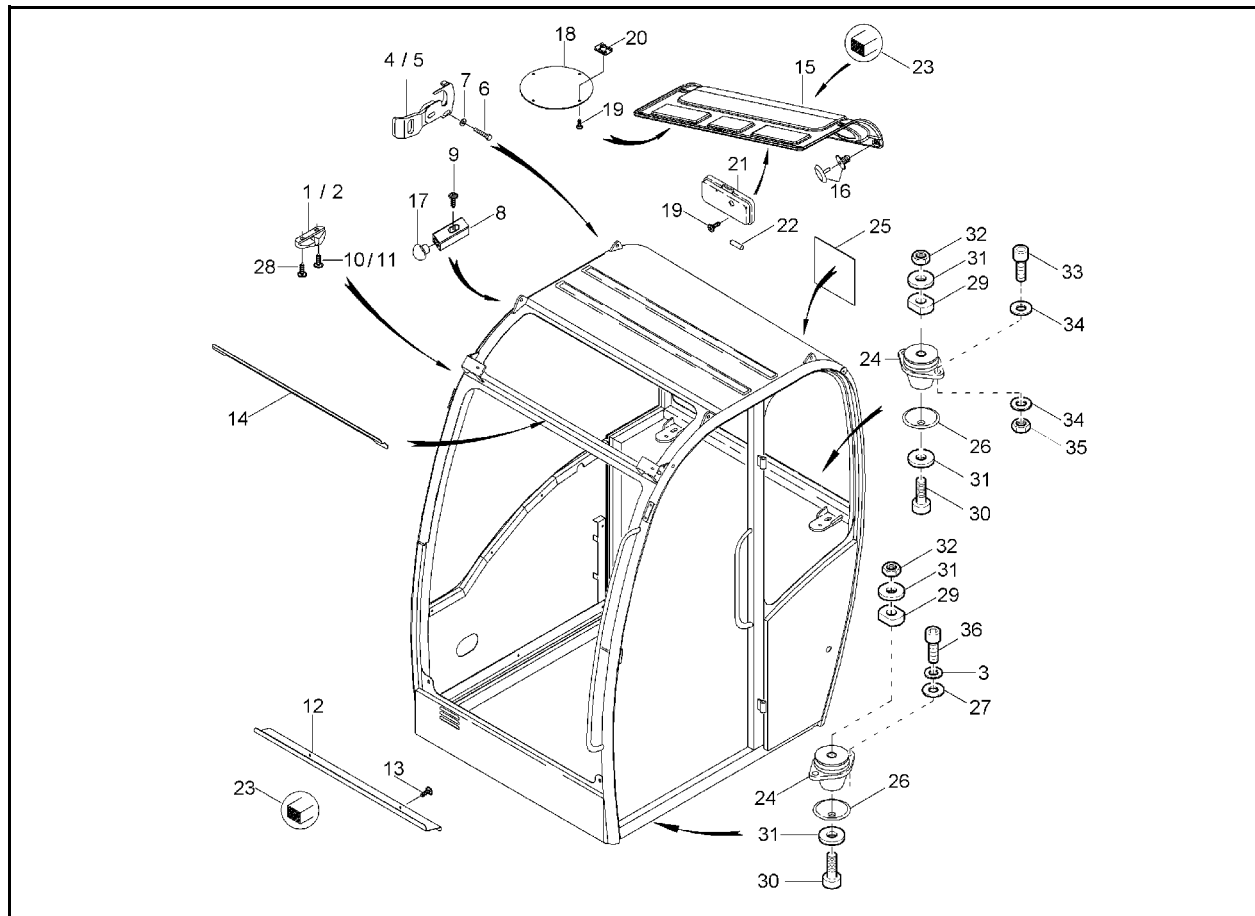
| Ref. No. | Part No. | Description      | Qty. | Ref. No. | Part No. | Description            | Qty. |
|----------|----------|------------------|------|----------|----------|------------------------|------|
| 1        | 204751   | CANOPY COMPLETE  | 1    | 3        | 206040   | EDGE GUARD (1.0M)      | 1    |
| 2        | 160496   | FRONT WINDOW TOP | 1    | 4        | 207133   | EDGE PROTECTION (1.0M) | 1    |



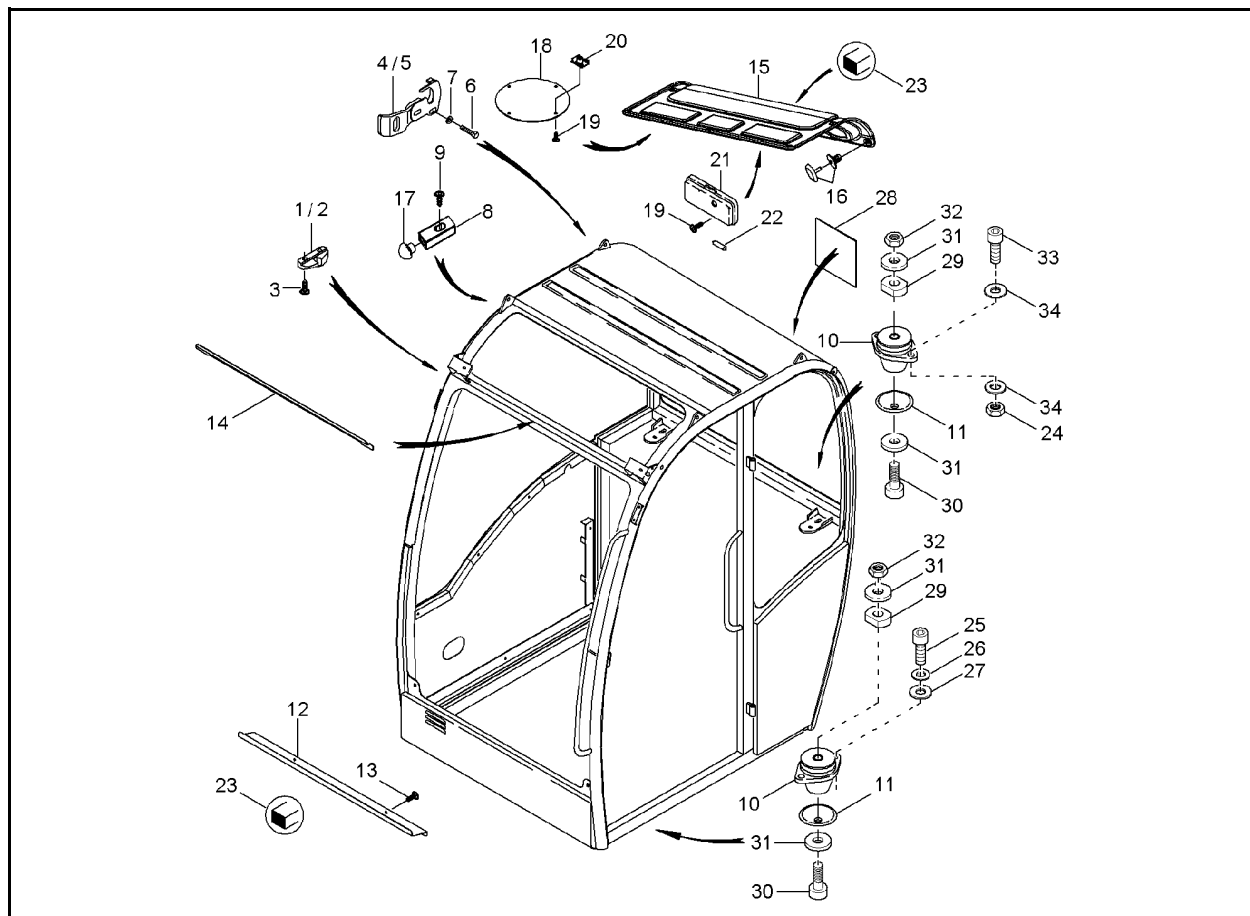
| Ref.<br>No. | Part No. | Description             | Qty. | Ref.<br>No. | Part No.   | Description                         | Qty. |
|-------------|----------|-------------------------|------|-------------|------------|-------------------------------------|------|
| 1           | 207042   | CAB COMPLETE            | 1    | 19          | 161923     | WASHER                              | 2    |
| 2           | 164676   | ASHTRAY                 | 1    | 20          | 206921     | RUBBER PROFILE (3.0M)               | 1    |
| 3           | 165182   | FRAME                   | 1    | 21          | 206922     | RUBBER PROFILE (2.4M)               | 1    |
| 4           | 165155   | COVER                   | 1    | 22          | 207096     | HOSE PROFILE (2.7M)                 | 1    |
| 5           | 207043   | ISOLATION MAT           | 1    | 23          | 206039     | ANTI-SLIDE STRIP 25MM (0.6M)        | 1    |
| 6           | 165184   | ISOLATION               | 1    | 24          | 207130     | ADHESIVE TAPE (0.8M)                | 1    |
| 7           | 164696   | CIGARETTE LIGHTER       | 1    | 25          | 207116     | FOAM RUBBER ROUND CORD 10MM (0.12M) | 1    |
| 8           | 164670   | AIR NOZZLE              | 3    | 26          | 1423449G   | RUBBER BUFFER                       | 1    |
| 9           | 164689   | RIVET 11MM              | 10   | 27          | 1424446G   | DOOR FASTENER                       | 1    |
| 10          | 161675   | LOCKWASHER S6           | 2    | 28          | 7462680008 | WASHER                              | 2    |
| 11          | 165154   | COVER                   | 1    | 29          | 161613     | NUT/CAGE M6                         | 2    |
| 12          | 165042   | LOCK                    | 1    | 30          | 178894     | PLATE                               | 1    |
| 13          | 162797   | PLUG                    | 7    | 31          | 206009     | COMPRI TAPE (1.2M)                  | 1    |
| 14          | 164677   | PLUG                    | 2    | 32          | 206088     | GREASE ZERK                         | 2    |
| 15          | 164690   | WINDSHIELD WASHING TANK | 1    | 33          | 178891     | PUMP                                | 1    |
| 16          | 161921   | PIN                     | 1    | 34          | 164668     | CLAMP                               | 1    |
| 17          | 164771   | BRACKET                 | 1    | 35          | 651507     | SHCS M6-1 X 20 C8.8 ZY DIN912       | 2    |
| 18          | 164678   | PLATE                   | 1    |             |            |                                     |      |



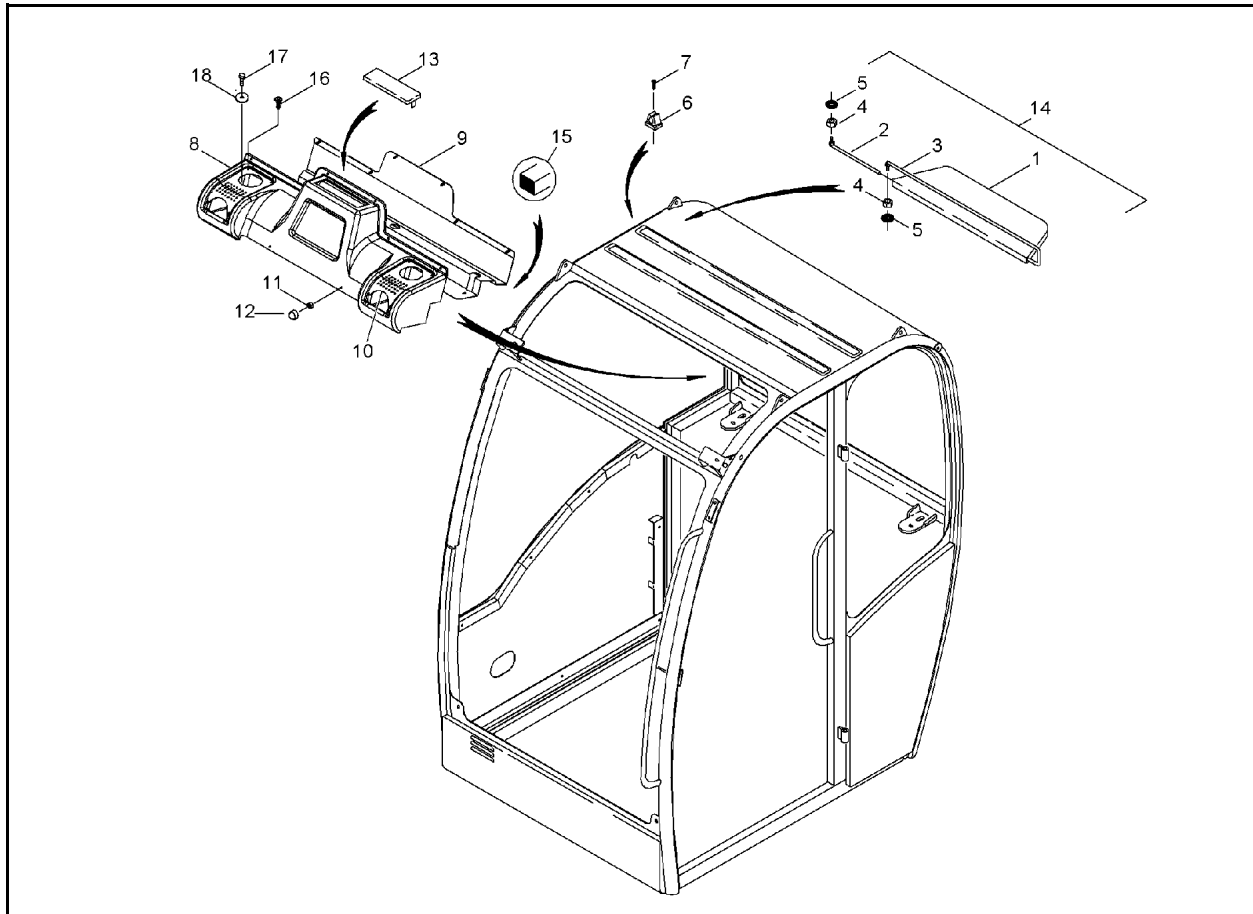
| Ref.<br>No. | Part No. | Description                         | Qty. | Ref.<br>No. | Part No.   | Description                                 | Qty. |
|-------------|----------|-------------------------------------|------|-------------|------------|---------------------------------------------|------|
| 1           | 206062   | CAB COMPLETE                        | 1    | 19          | 161923     | WASHER                                      | 1    |
| 2           | 164676   | ASHTRAY                             | 1    | 20          | 206921     | RUBBER PROFILE (3.0M)                       | 1    |
| 3           | 165182   | FRAME                               | 1    | 21          | 206922     | RUBBER PROFILE (2.4M)                       | 1    |
| 4           | 165155   | COVER                               | 1    | 22          | 207096     | HOSE PROFILE (2.7M)                         | 1    |
| 5           | 165161   | ISOLATION MAT                       | 1    | 23          | 206039     | ANTI-SLIDE STRIP 25MM (0.6M)                | 1    |
| 6           | 165184   | ISOLATION                           | 1    | 24          | 207128     | ADHESIVE TAPE (0.3M)                        | 1    |
| 7           | 164696   | CIGARETTE LIGHTER                   | 1    | 25          | 207116     | FOAM RUBBER ROUND CORD 10MM (0.12M)         | 1    |
| 8           | 164670   | AIR NOZZLE                          | 3    | 26          | 1423449G   | RUBBER BUFFER                               | 1    |
| 9           | 164689   | RIVET 11MM                          | 10   | 27          | 1424446G   | DOOR FASTENER<br>(Cab No. 45077 and before) | 1    |
| 10          | 161675   | LOCKWASHER S6                       | 2    | 28          | 178893     | DOOR LOCK<br>(Cab No. 45078 and up)         | 1    |
| 11          | 165154   | COVER                               | 1    | 29          | 178894     | PLATE<br>(Cab No. 45078 and up)             | 1    |
| 12          | 165042   | LOCK                                | 1    | 30          | 7462680008 | WASHER                                      | 2    |
| 13          | 162797   | PLUG                                | 7    | 31          | 161613     | NUT/CAGE M6                                 | 2    |
| 14          | 164677   | PLUG                                | 2    | 32          | 164690     | WINDSHIELD WASHING TANK                     | 1    |
| 15          | 178891   | PUMP                                | 1    | 33          | 164668     | CLAMP                                       | 1    |
| 16          | 161921   | PIN                                 | 1    | 34          | 651507     | SHCS M6-1 X 20 C8.8 ZY DIN912               | 2    |
| 17          | 164771   | BRACKET                             | 1    |             |            |                                             |      |
| 18          | 164678   | PLATE<br>(Cab No. 45077 and before) | 1    |             |            |                                             |      |



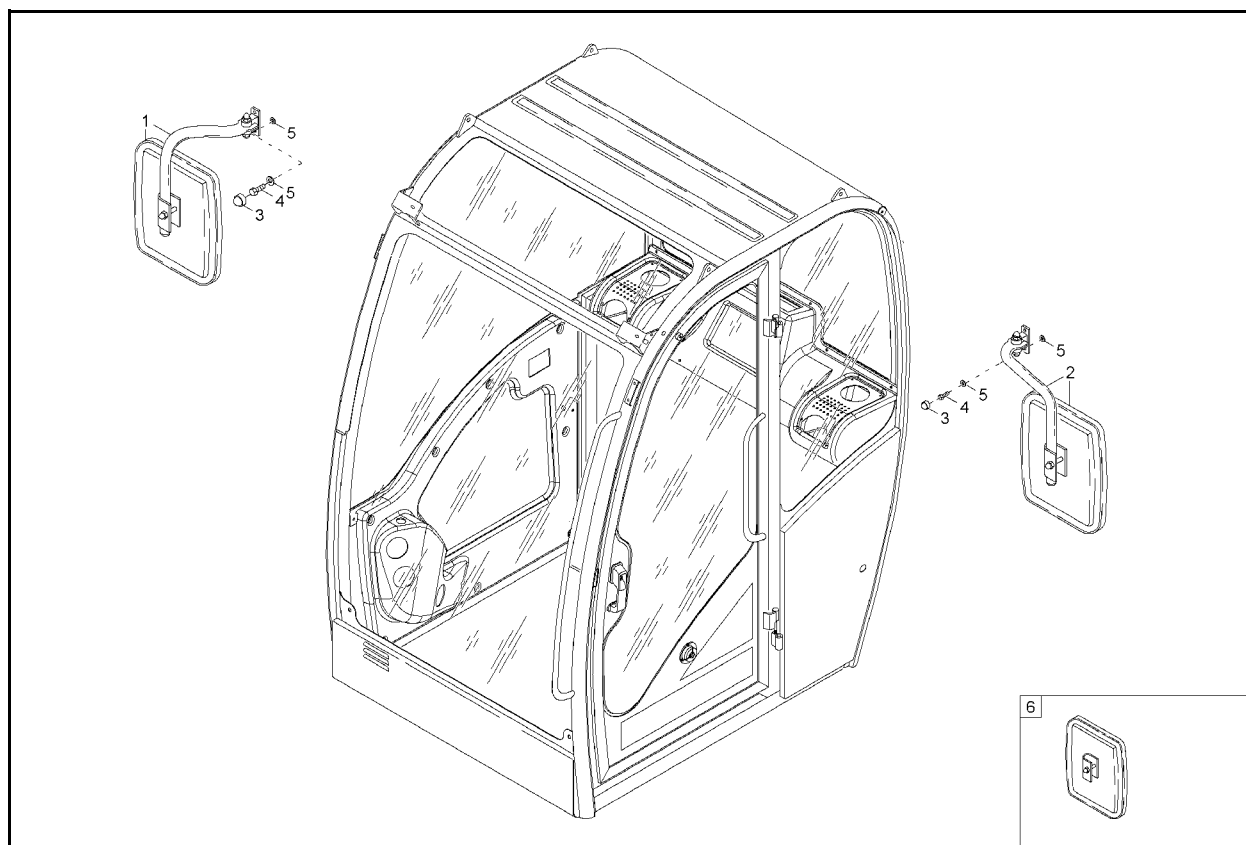
| Ref.<br>No. | Part No. | Description                 | Qty. | Ref.<br>No. | Part No. | Description                         | Qty. |
|-------------|----------|-----------------------------|------|-------------|----------|-------------------------------------|------|
| 1           | 160526   | LOCK (FRONT LT/REAR RT)     | 2    | 20          | 164683   | NUT                                 | 8    |
| 2           | 160527   | LOCK (FRONT RT/REAR LT)     | 2    | 21          | 160488   | DOME LIGHT                          | 1    |
| 3           | 161669   | LOCKWASHER S10              | 4    | 22          | 164182   | BULB                                | 1    |
| 4           | 164679   | BRACKET LT                  | 1    | 23          | 207132   | ADHESIVE TAPE (3.7M)                | 1    |
| 5           | 164680   | BRACKET RT                  | 1    | 24          | 164682   | CUSHION                             | 4    |
| 6           | 656128   | CS M6-1 X 30 C8.8 ZY DIN931 | 4    | 25          | 165212   | INSULATING PLY                      | 2    |
| 7           | 162924   | WASHER                      | 4    | 26          | 161936   | WASHER                              | 4    |
| 8           | 164681   | RESILIENT PAD               | 2    | 27          | 161640   | WASHER/GR A 10.5                    | 4    |
| 9           | 164907   | SCREW                       | 2    | 28          | 207045   | SCREW<br>(Cab No. 52263 and up)     | 2    |
| 10          | 162029   | OVAL HEAD SCREW             | 2    |             | 162857   | SCREW<br>(Cab No. 52262 and before) | 2    |
| 11          | 207044   | SCREW                       | 2    | 29          | 161875   | WASHER                              | 4    |
| 12          | 178880   | COVER                       | 1    | 30          | 651477   | SHCS M12-1.75 X 110 C10.9 ZY DIN912 | 4    |
| 13          | 179790   | SCREW                       | 2    | 31          | 161642   | WASHER/GR A 13                      | 8    |
| 14          | 179316   | GUTTER                      | 1    | 32          | 179793   | NUT                                 | 4    |
| 15          | 165157   | COVER                       | 1    | 33          | 163344   | SCREW                               | 4    |
| 16          | 164689   | RIVET 11MM                  | 9    | 34          | 163642   | WASHER                              | 8    |
| 17          | 164686   | RUBBER PLUG                 | 2    | 35          | 651448   | LN INS M10-1.5 C8 ZY DIN6924        | 4    |
| 18          | 165187   | COVER                       | 2    | 36          | 651475   | SHCS M10-1.25 X 30 F8.8 ZY DIN912   | 4    |
| 19          | 162035   | SCREW                       | 10   |             |          |                                     |      |



| Ref.<br>No. | Part No. | Description                                  | Qty. | Ref.<br>No. | Part No. | Description                         | Qty. |
|-------------|----------|----------------------------------------------|------|-------------|----------|-------------------------------------|------|
| 1           | 160526   | LOCK (FRONT LT/REAR RT)                      | 2    | 17          | 164686   | RUBBER PLUG                         | 2    |
| 2           | 160527   | LOCK (FRONT RT/REAR LT)                      | 2    | 18          | 165187   | COVER                               | 2    |
| 3           | 162029   | SCREW                                        | 4    | 19          | 162035   | SCREW                               | 10   |
| 4           | 164679   | BRACKET LT                                   | 1    | 20          | 164683   | NUT                                 | 8    |
| 5           | 164680   | BRACKET RT                                   | 1    | 21          | 160488   | DOME LIGHT                          | 1    |
| 6           | 656128   | CS M6-1 X 30 C8.8 ZY DIN931                  | 4    | 22          | 164182   | BULB                                | 1    |
| 7           | 162924   | WASHER                                       | 4    | 23          | 207132   | ADHESIVE TAPE (3.7M)                | 1    |
| 8           | 164681   | RESILIENT PAD                                | 2    | 24          | 651448   | LN INS M10-1.5 C8 ZY DIN6924        | 4    |
| 9           | 164907   | SCREW                                        | 2    | 25          | 651475   | SHCS M10-1.25 X 30 F8.8 ZY DIN912   | 4    |
| 10          | 164682   | CUSHION                                      | 4    | 26          | 161669   | LOCKWASHER S10                      | 4    |
| 11          | 161936   | WASHER                                       | 4    | 27          | 161640   | WASHER/GR A 10.5                    | 4    |
| 12          | 178880   | COVER                                        | 1    | 28          | 165212   | INSULATING PLY                      | 2    |
| 13          | 161629   | SCREW/PAN HEAD TAP<br>(Cab No. 41665 and up) | 2    | 29          | 161875   | WASHER                              | 4    |
|             | 179790   | SCREW<br>(Cab No. 41664 and before)          | 2    | 30          | 651477   | SHCS M12-1.75 X 110 C10.9 ZY DIN912 | 4    |
| 14          | 179316   | GUTTER                                       | 1    | 31          | 161642   | WASHER/GR A 13                      | 8    |
| 15          | 165157   | COVER                                        | 1    | 32          | 179793   | NUT                                 | 4    |
| 16          | 164689   | RIVET 11MM                                   | 9    | 33          | 163344   | SCREW                               | 4    |
|             |          |                                              |      | 34          | 163642   | WASHER                              | 8    |

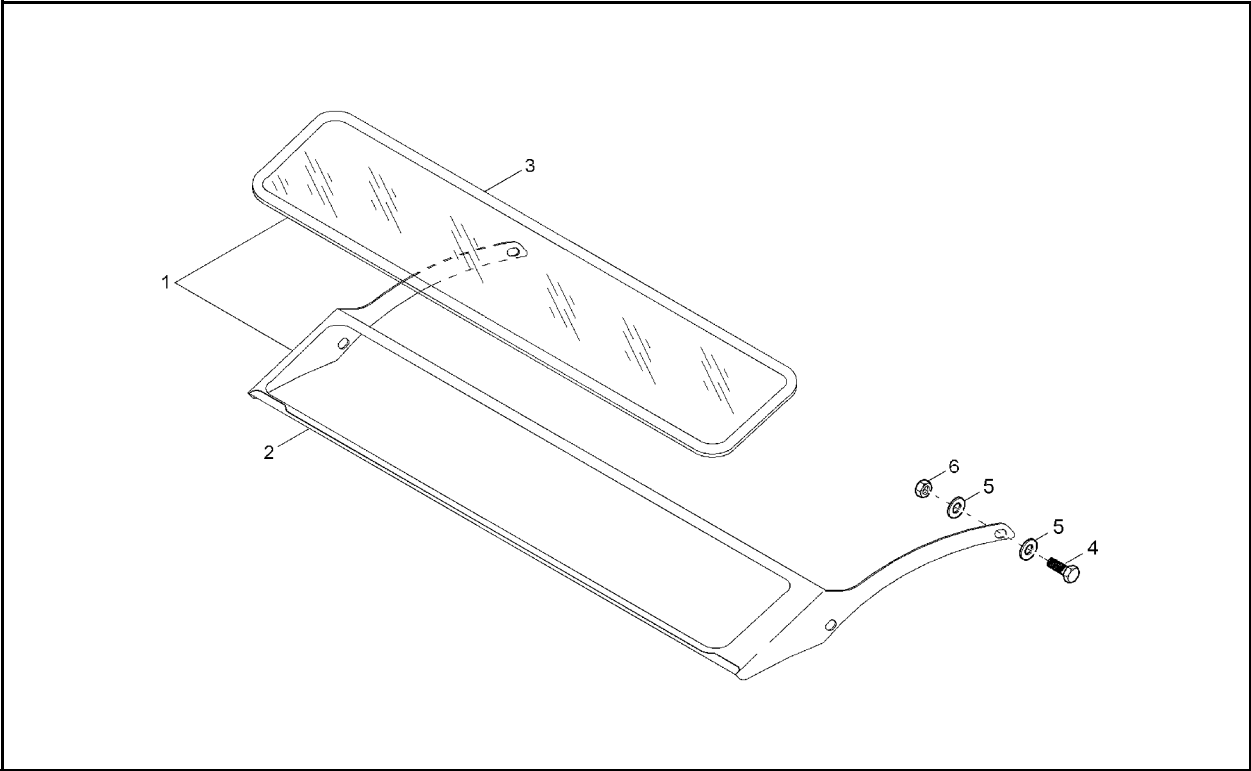


| Ref.<br>No. | Part No. | Description                  | Qty. | Ref.<br>No. | Part No. | Description                   | Qty. |
|-------------|----------|------------------------------|------|-------------|----------|-------------------------------|------|
| 1           | 178835   | SUN VISOR                    | 1    | 10          | 178888   | COVER                         | 2    |
| 2           | 165188   | ROD                          | 1    | 11          | 651456   | LN INS M5-0.8 C8 ZY DIN6924   | 8    |
| 3           | 165189   | ROD                          | 1    | 12          | 165214   | CAP                           | 8    |
| 4           | 651458   | LN INS M8-1.25 C8 ZY DIN6924 | 2    | 13          | 165195   | COVER                         | 1    |
| 5           | 165190   | SERRATED LOCK WASHER         | 2    | 14          | 164770   | WINDOW SUN VISOR COMPLETE     | 1    |
| 6           | 165191   | COLLAR                       | 1    | 15          | 207131   | ADHESIVE TAPE (0.9M)          | 1    |
| 7           | 162869   | SCREW                        | 1    | 16          | 162035   | SCREW                         | 8    |
| 8           | 165158   | STORAGE BOX                  | 1    | 17          | 651422   | CS M5-0.8 X 20 C8.8 ZY DIN931 | 2    |
| 9           | 165192   | COVER                        | 1    | 18          | 165213   | SQUARE NUT 5 X 20             | 2    |

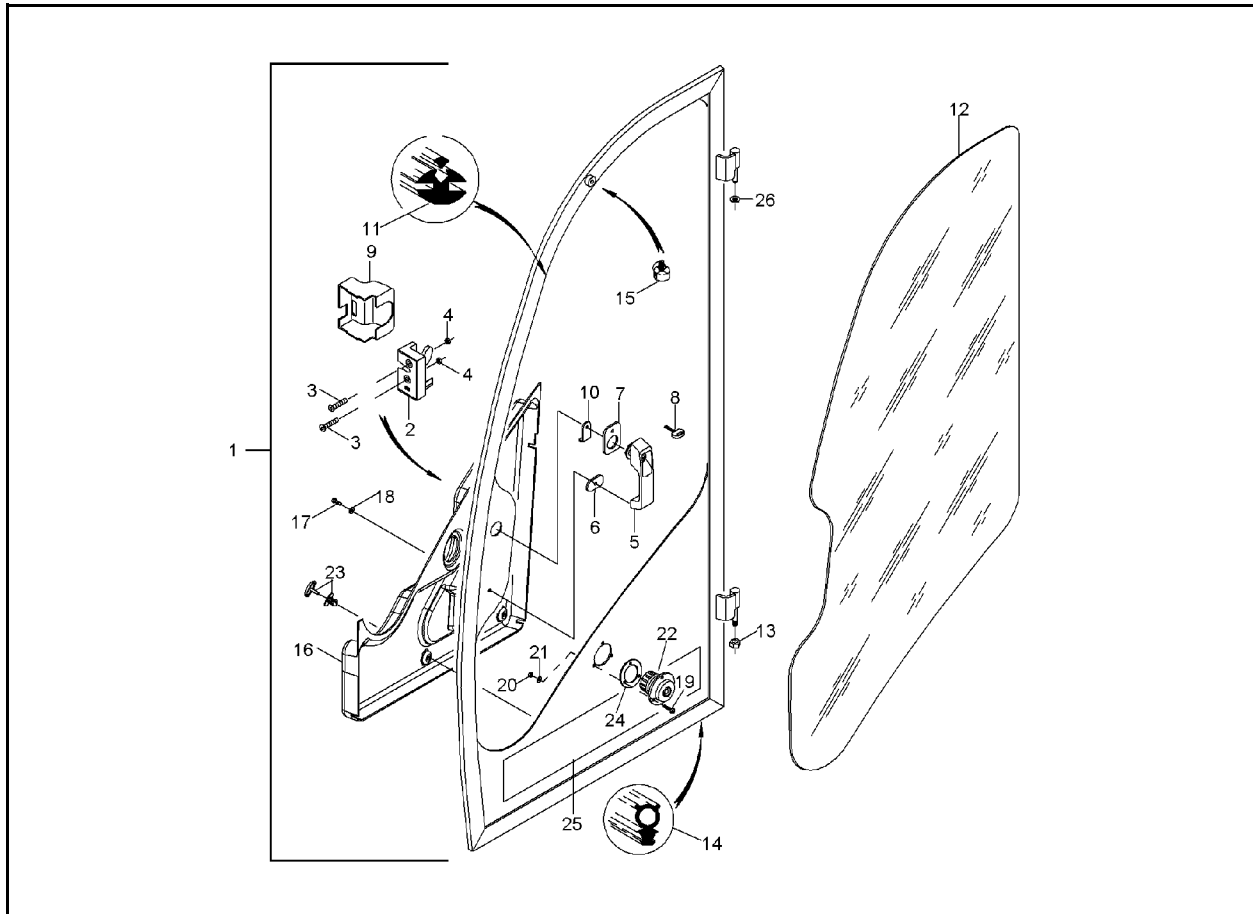


| Ref.<br>No. | Part No. | Description | Qty. | Ref.<br>No. | Part No. | Description                 | Qty. |
|-------------|----------|-------------|------|-------------|----------|-----------------------------|------|
| 1           | 162607   | MIRROR LT   | 1    | 4           | 656149   | CS M6-1 X 16 C8.8 ZY DIN931 | 4    |
| 2           | 163213   | MIRROR RT   | 1    | 5           | 162924   | WASHER                      | 8    |
| 3           | 162737   | COVER       | 4    | 6           | 178890   | MIRROR                      | 2    |

3503/3703 - CAB/CANOPY SUN VISOR (OPTION)  
1000144766



| Ref. |          |                    |      | Ref. |            |                              |      |
|------|----------|--------------------|------|------|------------|------------------------------|------|
| No.  | Part No. | Description        | Qty. | No.  | Part No.   | Description                  | Qty. |
| 1    | 178906   | SUN VISOR COMPLETE | 1    | 4    | 177648     | HEX SCREW                    | 4    |
| 2    | 177413   | SUN VISOR FRAME    | 1    | 5    | 7462680011 | WASHER 8.4 ST A2C            | 8    |
| 3    | 178974   | VISOR WINDOW       | 1    | 6    | 651458     | LN INS M8-1.25 C8 ZY DIN6924 | 4    |

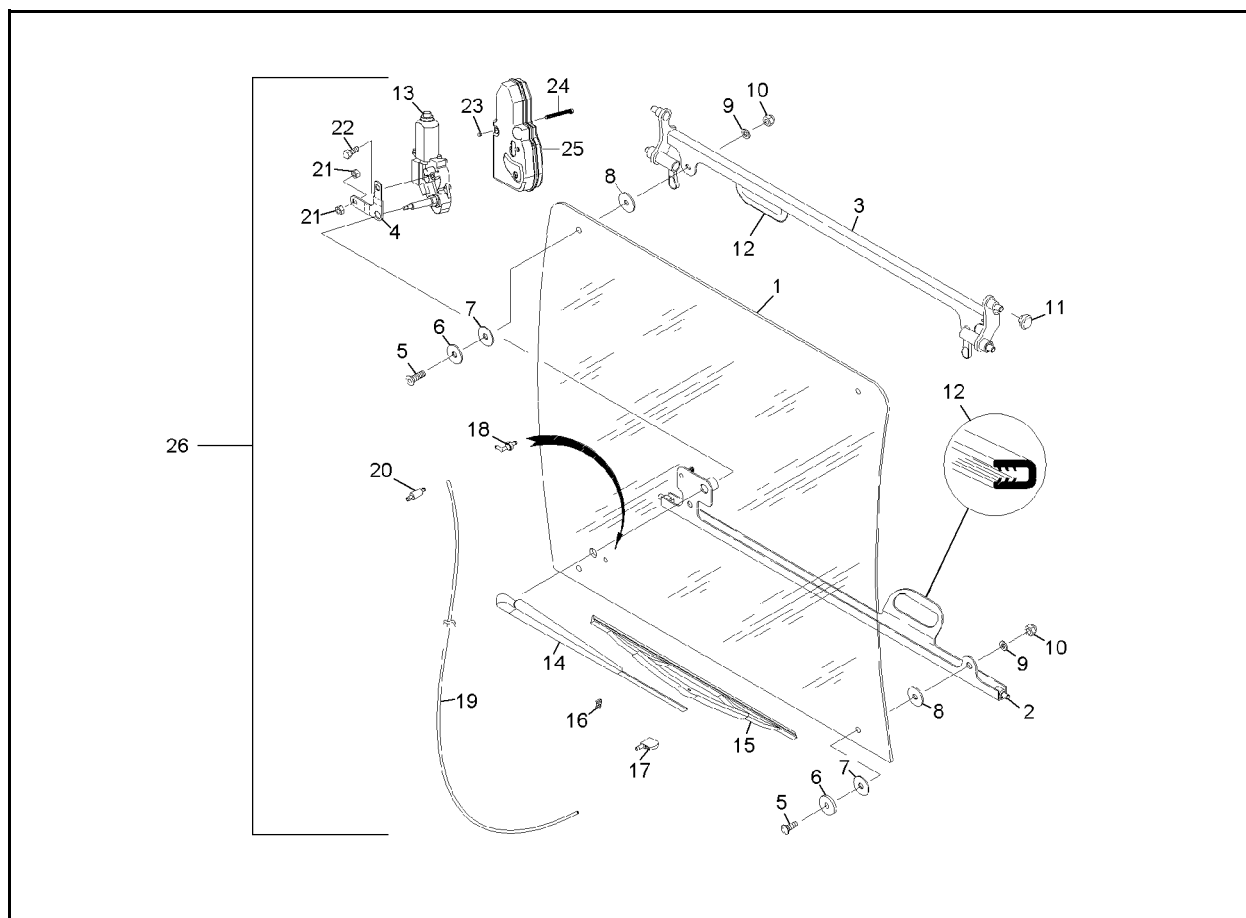


| Ref.<br>No. | Part No. | Description                                   | Qty. | Ref.<br>No. | Part No. | Description                  | Qty. |
|-------------|----------|-----------------------------------------------|------|-------------|----------|------------------------------|------|
| 1           | 178877   | CAB DOOR COMPLETE                             | 1    | 13          | 651448   | LN INS M10-1.5 C8 ZY DIN6924 | 1    |
|             | 177435   | CAB DOOR COMPLETE<br>W/WINDOW TINTED (OPTION) | 1    | 14          | 206923   | SEALING PROFILE (3.9M)       | 1    |
| 2           | 160525   | LATCH                                         | 1    | 15          | 1423449G | RUBBER BUFFER                | 1    |
| 3           | 162864   | SCREW                                         | 2    | 16          | 165156   | COVER                        | 1    |
| 4           | 651458   | LN INS M8-1.25 C8 ZY DIN6924                  | 2    | 17          | 651424   | CS M6-1 X 20 C8.8 ZY DIN931  | 1    |
| 5           | 161096   | HANDLE                                        | 1    | 18          | 162813   | WASHER                       | 1    |
| 6           | 164700   | SHIM                                          | 1    | 19          | 164904   | SHCS                         | 3    |
| 7           | 164701   | SHIM                                          | 1    | 20          | 651456   | LN INS M5-0.8 C8 ZY DIN6924  | 3    |
| 8           | 101792   | KEY*                                          | 2    | 21          | 162925   | WASHER                       | 3    |
| 9           | 165221   | COVER                                         | 1    | 22          | 1424447G | DOOR LATCH                   | 1    |
| 10          | 165174   | CALIPERS                                      | 1    | 23          | 164689   | RIVET 11MM                   | 10   |
| 11          | 206928   | RUBBER PROFILE (3.3M)                         | 1    | 24          | 1423447G | RUBBER WASHER                | 1    |
| 12          | 165175   | DOOR WINDOW                                   | 1    | 25          | 165908   | STICKER                      | 1    |
|             | 178898   | DOOR WINDOW TINTED (OPTION)                   | 1    | 26          | 164688   | WASHER                       | 2    |

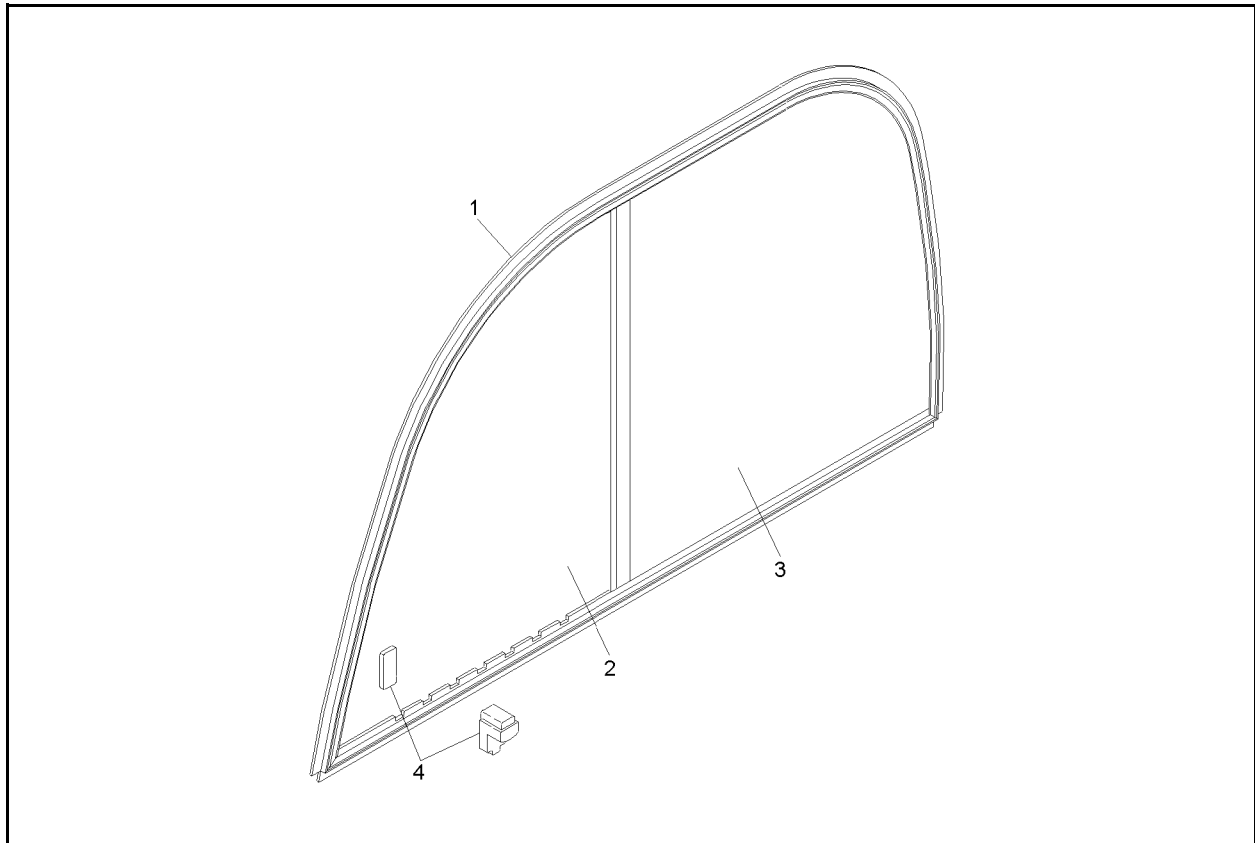
\* Same key(s) to start engine and operate all locks on unit.

# 3503/3703 - CAB FRONT WINDOW

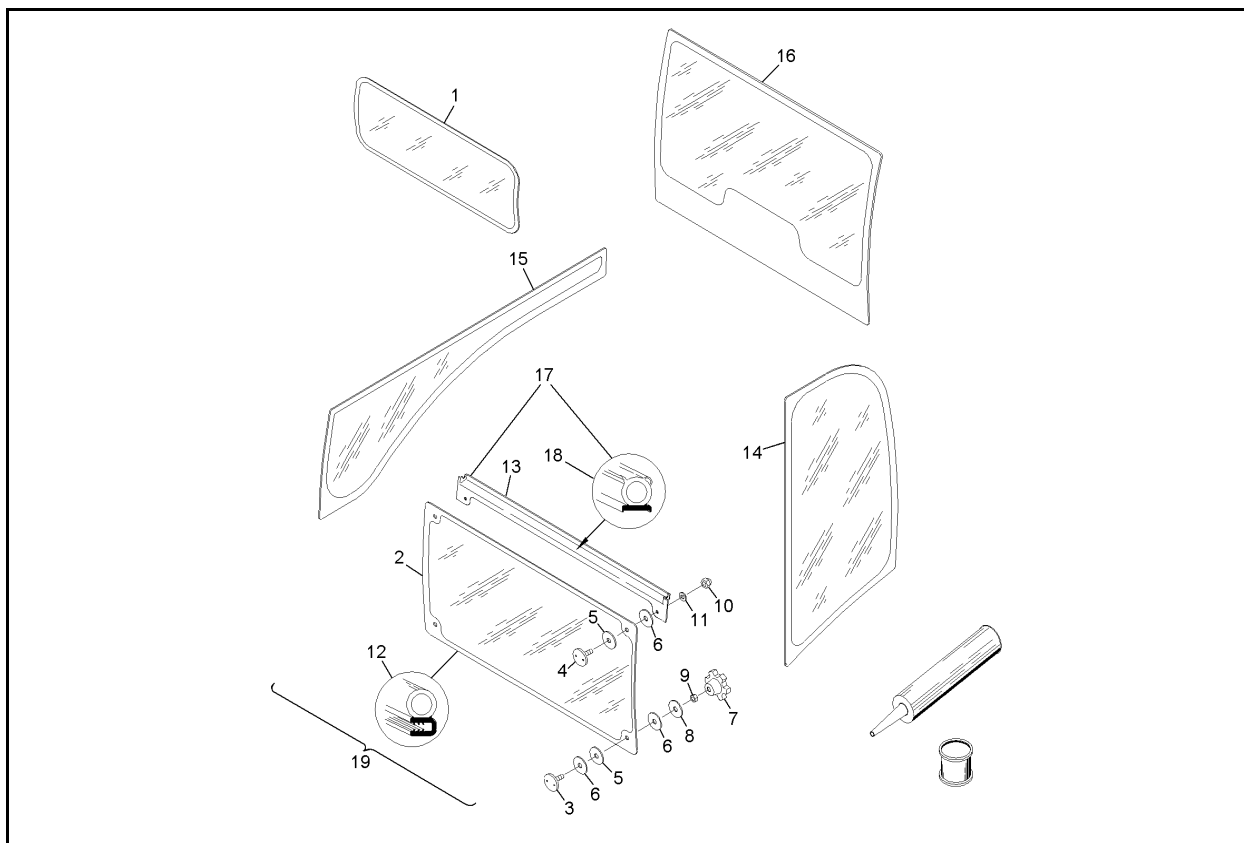
1000127230



| Ref.<br>No. | Part No. | Description               | Qty. | Ref.<br>No. | Part No. | Description                                     | Qty. |
|-------------|----------|---------------------------|------|-------------|----------|-------------------------------------------------|------|
| 1           | 165165   | FRONT WINDOW              | 1    | 15          | 161940   | WIPER BLADE                                     | 1    |
|             | 178897   | FRONT WINDOW TINTED       | 1    | 16          | 161086   | CLIPS                                           | 2    |
| 2           | 165166   | WINDOW FRAME/LOWER        | 1    | 17          | 161087   | NOZZLE                                          | 1    |
| 3           | 165167   | WINDOW FRAME/UPPER        | 1    | 18          | 165032   | BRACKET                                         | 1    |
| 4           | 165168   | BAR LOCK                  | 1    | 19          | 203560   | WATER HOSE (3.0M)                               | 1    |
| 5           | 203572   | COUNTERSUNK SCREW         | 4    | 20          | 164673   | NON-RETURN VALVE                                | 1    |
| 6           | 165046   | WASHER                    | 4    | 21          | 656048   | HN M8-1.25 C8 ZY DIN934                         | 2    |
| 7           | 160640   | RUBBER WASHER             | 4    | 22          | 651430   | CS M8-1.25 X 12 C8.8 ZY DIN931                  | 1    |
| 8           | 160639   | RUBBER WASHER             | 4    | 23          | 165948   | NUT                                             | 2    |
| 9           | 161668   | WASHER/GR A 8.4 ZO DIN134 | 4    | 24          | 165048   | SCREW                                           | 2    |
| 10          | 161618   | NUT/HEX DOMED CAP M8      | 4    | 25          | 165159   | COVER                                           | 1    |
| 11          | 160494   | PVC WASHER                | 4    | 26          | 165169   | FRONT WINDOW COMPLETE                           | 1    |
| 12          | 207211   | EDGE PROTECTION (1.0M)    | 1    |             | 178903   | FRONT WINDOW COMPLETE/<br>LOWER TINTED (OPTION) | 1    |
| 13          | 165206   | WIPER MOTOR               | 1    |             |          |                                                 |      |
| 14          | 161939   | WIPER ARM                 | 1    |             |          |                                                 |      |

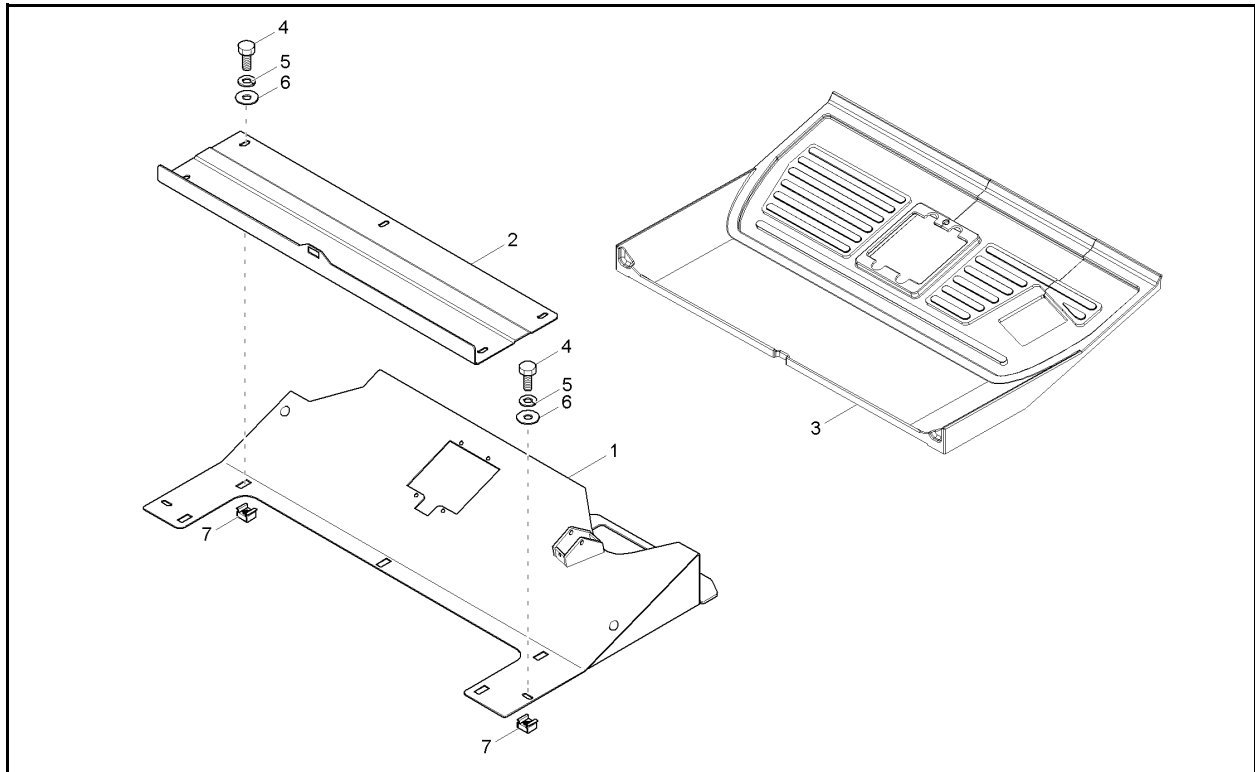


| Ref.<br>No. | Part No. | Description                                | Qty. | Ref.<br>No. | Part No. | Description                          | Qty. |
|-------------|----------|--------------------------------------------|------|-------------|----------|--------------------------------------|------|
| 1           | 165196   | SLIDING WINDOW COMPLETE                    | 1    | 3           | 178886   | WINDOW/STATIONARY                    | 1    |
|             | 178902   | SLIDING WINDOW COMPLETE<br>TINTED (OPTION) | 1    |             | 178901   | WINDOW/STATIONARY TINTED<br>(OPTION) | 1    |
| 2           | 178885   | WINDOW/SLIDING                             | 1    | 4           | 164684   | LOCK                                 | 1    |
|             | 178900   | WINDOW/SLIDING TINTED                      | 1    |             |          |                                      |      |



| Ref.<br>No. | Part No. | Description                        | Qty. |
|-------------|----------|------------------------------------|------|
| 1           | 160496   | FRONT WINDOW TOP                   | 1    |
| 2           | 165170   | FRONT WINDOW/LOWER                 | 1    |
|             | 178895   | FRONT WINDOW/LOWER TINTED (OPTION) | 1    |
| 3           | 164671   | PVC WASHER                         | 2    |
| 4           | 161091   | PVC WASHER                         | 2    |
| 5           | 160640   | RUBBER WASHER                      | 4    |
| 6           | 160639   | RUBBER WASHER                      | 12   |
| 7           | 164672   | NUT                                | 2    |
| 8           | 162812   | WASHER                             | 2    |
| 9           | 656048   | HN M8-1.25 C8 ZY DIN934            | 2    |
| 10          | 161618   | HN DOMED CAP M8                    | 2    |
| 11          | 161668   | WASHER/GR A 8.4 ZO DIN134          | 2    |
| 12          | 207134   | HOSE PROFILE (1.9M)                | 1    |

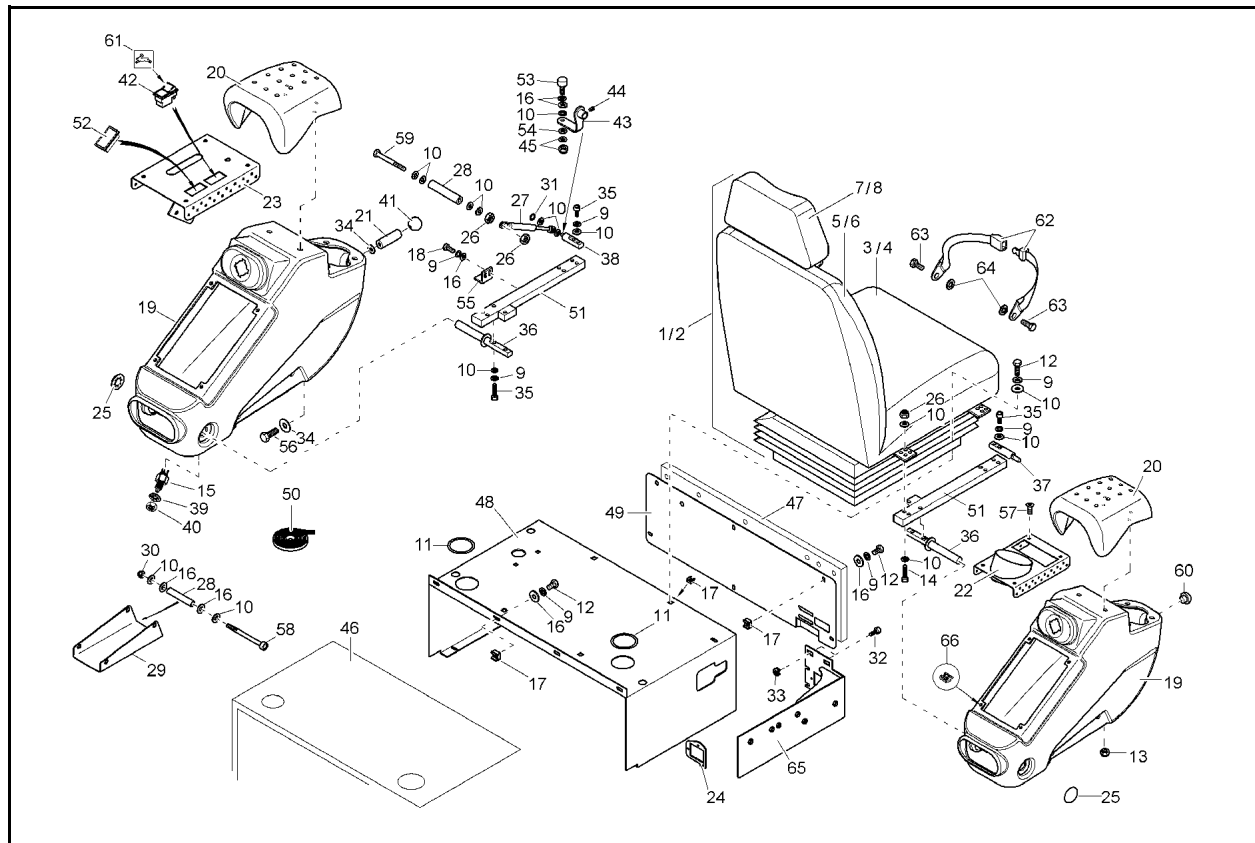
| Ref.<br>No. | Part No. | Description                                  | Qty. |
|-------------|----------|----------------------------------------------|------|
| 13          | 178887   | SHIELD                                       | 1    |
| 14          | 165164   | SIDEPANE LT                                  | 1    |
|             | 178896   | SIDEPANE LT TINTED (OPTION)                  | 1    |
| 15          | 165171   | SIDEPANE RT                                  | 1    |
|             | 178899   | SIDEPANE RT TINTED (OPTION)                  | 1    |
| 16          | 165172   | REAR WINDOW                                  | 1    |
|             | 177416   | REAR WINDOW TINTED (OPTION)                  | 1    |
| 17          | 178884   | BRACKET W/SEAL (Cab No. 41362 and up)        | 1    |
| 18          | 207136   | SEALING HOSE PROFILE (0.9M)                  | 1    |
| 19          | 165173   | FRONT WINDOW COMPLETE/ LOWER                 | 1    |
|             | 178903   | FRONT WINDOW COMPLETE/ LOWER TINTED (OPTION) | 1    |



| Ref.<br>No. | Part No. | Description                           | Qty. |
|-------------|----------|---------------------------------------|------|
| 1           | 207471   | FLOOR PLATE<br>(SN AD02608 - AE02832) | 1    |
|             | 165075   | FLOOR PLATE<br>(SN AD00001 - AD02607) | 1    |
| 2           | 165076   | BRACKET<br>(SN AD02608 - AE02832)     | 1    |
|             | 179031   | BRACKET<br>(SN AD00001 - AD02607)     | 1    |

| Ref.<br>No. | Part No.   | Description       | Qty. |
|-------------|------------|-------------------|------|
| 3           | 165564     | FOOT MAT          | 1    |
| 4           | 177648     | HEX SCREW         | 13   |
| 5           | 163670     | LOCKWASHER        | 13   |
| 6           | 7462680011 | WASHER 8.4 ST A2C | 13   |
| 7           | 161616     | NUT/CAGE M8       | 13   |

# 3503/3703 - OPERATOR'S SEAT (CAB) <https://www.Manualslib.com/> 1000180970



| Ref.<br>No. | Part No.   | Description                    | Qty. | Ref.<br>No. | Part No. | Description                      | Qty. |
|-------------|------------|--------------------------------|------|-------------|----------|----------------------------------|------|
| 1           | 177663     | OPERATOR'S SEAT (CLOTH)        | 1    | 24          | 178858   | BRACKET                          | 1    |
| 2           | 162218     | OPERATOR'S SEAT (VINYL)        | 1    | 25          | 161730   | PLUG                             | 2    |
| 3           | 165589     | SEAT UPHOLSTERY (CLOTH)        | 1    | 26          | 651458   | LN INS M8-1.25 C8 ZY DIN6924     | 8    |
| 4           | 177388     | SEAT UPHOLSTERY (VINYL)        | 1    | 27          | 160611   | SPRING                           | 1    |
| 5           | 165588     | SEAT BACK (CLOTH)              | 1    | 28          | 178876   | TUBE                             | 2    |
| 6           | 177387     | SEAT BACK (VINYL)              | 1    | 29          | 178875   | SHEET METAL                      | 1    |
| 7           | 165824     | HEADREST (CLOTH)               | 1    | 30          | 161618   | NUT/HEX DOMED CAP M8             | 1    |
| 8           | 177386     | HEADREST (VINYL)               | 1    | 31          | 161848   | LOCKWASHER                       | 1    |
| 9           | 163670     | LOCKWASHER                     | 24   | 32          | 651463   | FHCS M6-1 X 20 C8.8 ZY DIN7991   | 7    |
| 10          | 163634     | WASHER                         | 37   | 33          | 161614   | NUT/CAGE M6                      | 4    |
| 11          | 207219     | PVC EDGE PROTECTION (0.3M)     | 1    | 34          | 161651   | WASHER 20                        | 2    |
| 12          | 656105     | CS M8-1.25 X 25 C8.8 ZY DIN931 | 14   | 35          | 651517   | SHCS M8-1.25 X 30 C8.8 ZY DIN912 | 8    |
| 13          | 165952     | NUT                            | 4    | 36          | 165610   | PIN                              | 2    |
| 14          | 165932     | SCREW                          | 8    | 37          | 164978   | PIN                              | 1    |
| 15          | 164980     | MICROSWITCH                    | 1    | 38          | 164979   | PIN                              | 1    |
| 16          | 7462680011 | WASHER 8.4 ST A2C              | 19   | 39          | 164982   | WASHER                           | 1    |
| 17          | 161615     | NUT/CAGE M8                    | 13   | 40          | 164981   | NUT                              | 1    |
| 18          | 656093     | CS M8-1.25 X 16 C8.8 ZY DIN931 | 2    | 41          | 161631   | KNOB D40MM                       | 1    |
| 19          | 178872     | JOYSTICK CONSOLE               | 2    | 42          | 164883   | LIGHT SWITCH                     | 1    |
| 20          | 178873     | ARMREST                        | 2    | 43          | 164669   | PROFILE                          | 1    |
| 21          | 161868     | TUBE                           | 1    | 44          | 651446   | SHSS CP M8-1.25 X 12 C 45H       | 1    |
| 22          | 178700     | CONSOLE FOR DASHBOARD RT       | 1    | 45          | 656048   | HN M8-1.25 C8 ZY DIN934          | 1    |
| 23          | 178438     | CONSOLE FOR DASHBOARD LT       | 1    | 46          | 179023   | ISOLATION MAT                    | 1    |

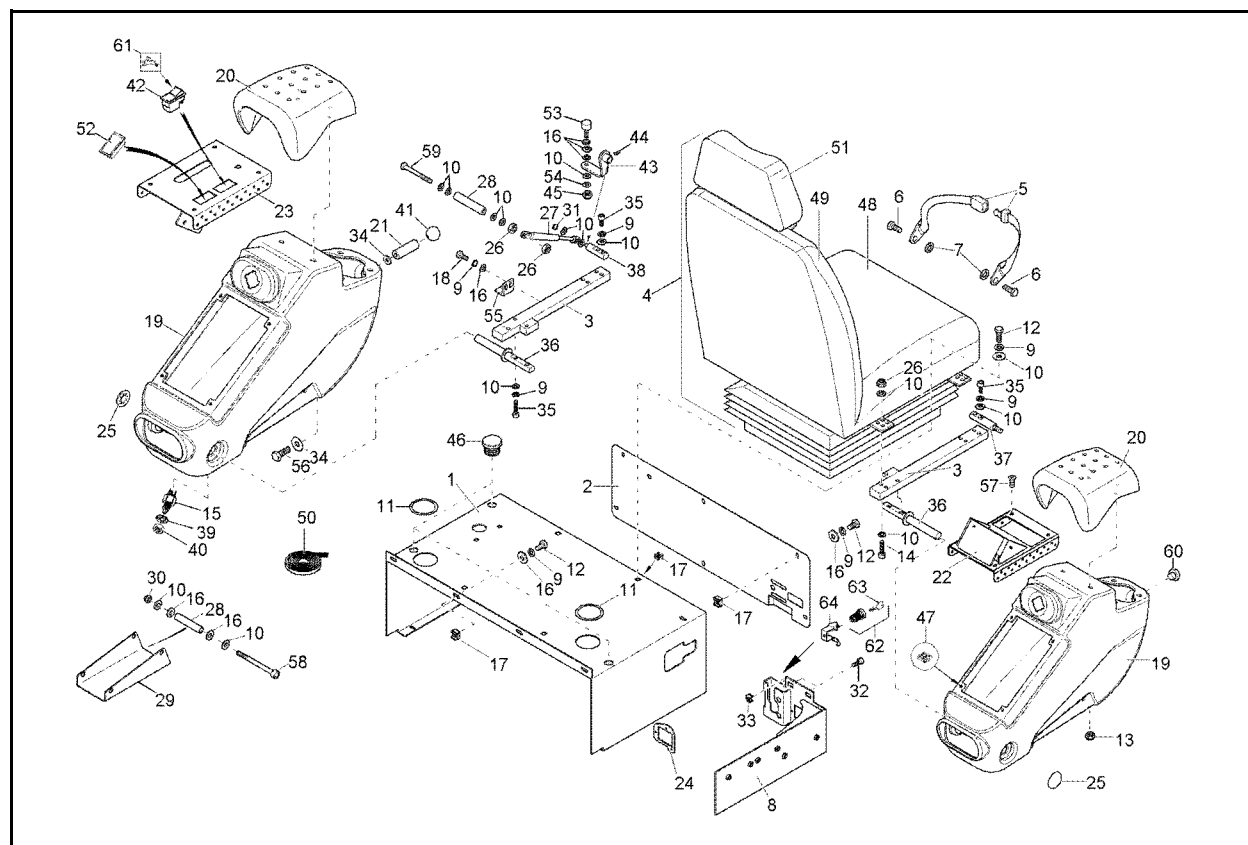
# 3508/3703 OPERATOR'S SEAT (CAB) 1000180970

| Ref.<br>No. | Part No.   | Description              | Qty. |
|-------------|------------|--------------------------|------|
| 47          | 179022     | ISOLATION MAT            | 1    |
| 48          | 178986     | SEAT CONSOLE             | 1    |
| 49          | 179034     | COVER                    | 1    |
| 50          | 207143     | VELCRO STRAP 25MM (4.0M) | 1    |
| 51          | 164707     | FIXING PLATE             | 2    |
| 52          | 0003320872 | BLANK                    | 1    |
| 53          | 164699     | RUBBER-METAL-BUFFER      | 1    |
| 54          | 656110     | LW M8 ZY DIN127          | 1    |
| 55          | 165612     | BRACKET                  | 1    |
| 56          | 651390     | HB M10-1.5 X 120 C8.8 ZY | 1    |
| 57          | 161634     | SCREW/C'SUNK HD M5X16    | 8    |

| Ref.<br>No. | Part No.   | Description                      | Qty. |
|-------------|------------|----------------------------------|------|
| 58          | 651519     | SHCS M8-1.25 X 90 C8.8 ZY DIN912 | 1    |
| 59          | 179782     | SCREW                            | 1    |
| 60          | 178883     | PLUG                             | 1    |
| 61          | 164710     | HIGH SPEED SYMBOL                | 1    |
| 62          | 207060     | SEAT BELT                        | 1    |
| 63          | 7236677187 | HS M12 X 25-8.8                  | 2    |
| 64          | 161642     | WASHER/GR A 13                   | 2    |
| 65          | 178857     | BRACKET                          | 1    |
| 66          | 162048     | CLIP-ON NUT                      | 8    |
| 67          | 207061     | CONSOLE/INSTRUMENTS              | 1    |

# 3503/3703 - OPERATOR'S SEAT (CANOPY)

1000147394



| Ref.<br>No. | Part No.   | Description                    | Qty. | Ref.<br>No. | Part No. | Description                      | Qty. |
|-------------|------------|--------------------------------|------|-------------|----------|----------------------------------|------|
| 1           | 178986     | SEAT CONSOLE                   | 1    | 24          | 178858   | BRACKET                          | 1    |
| 2           | 207062     | COVER                          | 1    | 25          | 161730   | PLUG                             | 2    |
| 3           | 164707     | FIXING PLATE                   | 2    | 26          | 651458   | LN INS M8-1.25 C8 ZY DIN6924     | 8    |
| 4           | 162218     | OPERATOR'S SEAT (VINYL)        | 1    | 27          | 160611   | SPRING                           | 1    |
| 5           | 207060     | SEAT BELT                      | 1    | 28          | 178876   | TUBE                             | 2    |
| 6           | 7236677187 | HS M12 X 25-8.8                | 2    | 29          | 178875   | SHEET METAL                      | 1    |
| 7           | 161642     | WASHER/GR A 13                 | 2    | 30          | 161618   | NUT/HEX DOMED CAP M8             | 1    |
| 8           | 207063     | BRACKET                        | 1    | 31          | 161848   | LOCKWASHER                       | 1    |
| 9           | 163670     | LOCKWASHER                     | 24   | 32          | 651463   | FHCS M6-1 X 20 C8.8 ZY DIN7991   | 7    |
| 10          | 163634     | WASHER                         | 37   | 33          | 161614   | NUT/CAGE M6                      | 4    |
| 11          | 207219     | PVC EDGE PROTECTION (0.3M)     | 1    | 34          | 161651   | WASHER 20                        | 2    |
| 12          | 656105     | CS M8-1.25 X 25 C8.8 ZY DIN931 | 14   | 35          | 651517   | SHCS M8-1.25 X 30 C8.8 ZY DIN912 | 8    |
| 13          | 165952     | NUT                            | 4    | 36          | 165610   | PIN                              | 2    |
| 14          | 165932     | SCREW                          | 8    | 37          | 164978   | PIN                              | 1    |
| 15          | 164980     | MICROSWITCH                    | 1    | 38          | 164979   | PIN                              | 1    |
| 16          | 7462680011 | WASHER 8.4 ST A2C              | 19   | 39          | 164982   | WASHER                           | 1    |
| 17          | 161615     | NUT/CAGE M8                    | 13   | 40          | 164981   | NUT                              | 1    |
| 18          | 656093     | CS M8-1.25 X 16 C8.8 ZY DIN931 | 2    | 41          | 161631   | KNOB D40MM                       | 1    |
| 19          | 178872     | JOYSTICK CONSOLE               | 2    | 42          | 164883   | LIGHT SWITCH                     | 1    |
| 20          | 178873     | ARMREST                        | 2    | 43          | 164669   | PROFILE                          | 1    |
| 21          | 161868     | TUBE                           | 1    | 44          | 651446   | SHSS CP M8-1.25 X 12 C 45H       | 1    |
| 22          | 178700     | CONSOLE FOR DASHBOARD RT       | 1    | 45          | 656048   | HN M8-1.25 C8 ZY DIN934          | 1    |
| 23          | 178438     | CONSOLE FOR DASHBOARD LT       | 1    | 46          | 207064   | CLUTCH DISC PLUG                 | 3    |

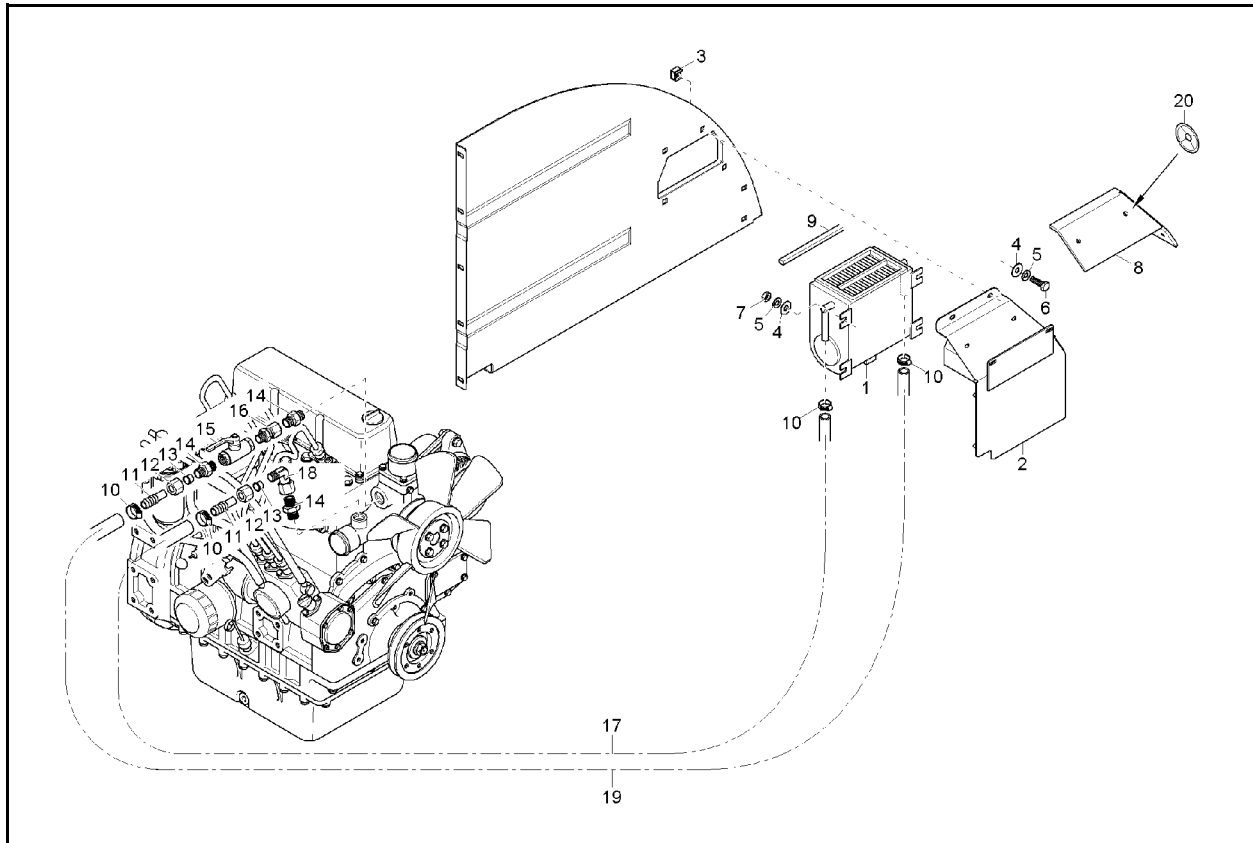
3503/3703 OPERATOR'S SEAT (CANOPY)  
1000147394

| Ref.<br>No. | Part No.   | Description              | Qty. |
|-------------|------------|--------------------------|------|
| 47          | 162048     | CLIP-ON NUT              | 8    |
| 48          | 177388     | SEAT UPHOLSTERY (VINYL)  | 1    |
| 49          | 177387     | BACK CUSHION (VINYL)     | 1    |
| 50          | 207143     | VELCRO STRAP 25MM (4.0M) | 1    |
| 51          | 177386     | HEADREST (VINYL)         | 1    |
| 52          | 0003320872 | BLANK                    | 1    |
| 53          | 164699     | RUBBER-METAL-BUFFER      | 1    |
| 54          | 656110     | LW M8 ZY DIN127          | 1    |
| 55          | 165612     | BRACKET                  | 1    |
| 56          | 651390     | HB M10-1.5 X 120 C8.8 ZY | 1    |

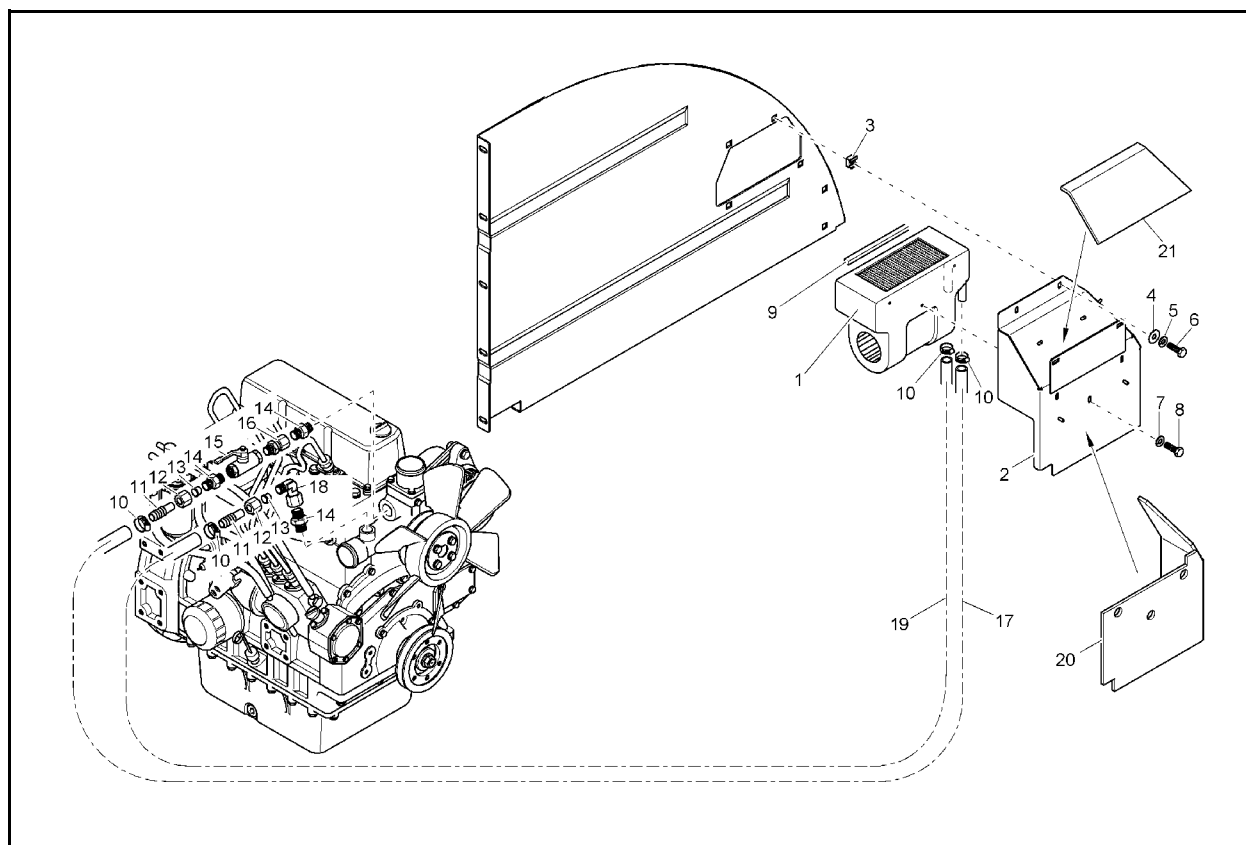
| Ref.<br>No. | Part No. | Description                      | Qty. |
|-------------|----------|----------------------------------|------|
| 57          | 161634   | SCREW/C'SUNK HD M5X16            | 8    |
| 58          | 651519   | SHCS M8-1.25 X 90 C8.8 ZY DIN912 | 1    |
| 59          | 179782   | SCREW                            | 1    |
| 60          | 178883   | PLUG                             | 1    |
| 61          | 164710   | HIGH SPEED SYMBOL                | 1    |
| 62          | 2529457G | LOCK W/O KEYS                    | 1    |
| 63          | 101792   | KEY*                             | 1    |
| 64          | 207065   | BLOCKING PLATE                   | 1    |

\* Same key(s) to start engine and operate all locks on unit.

**1000151983 - (SN AD03790 AND UP)**

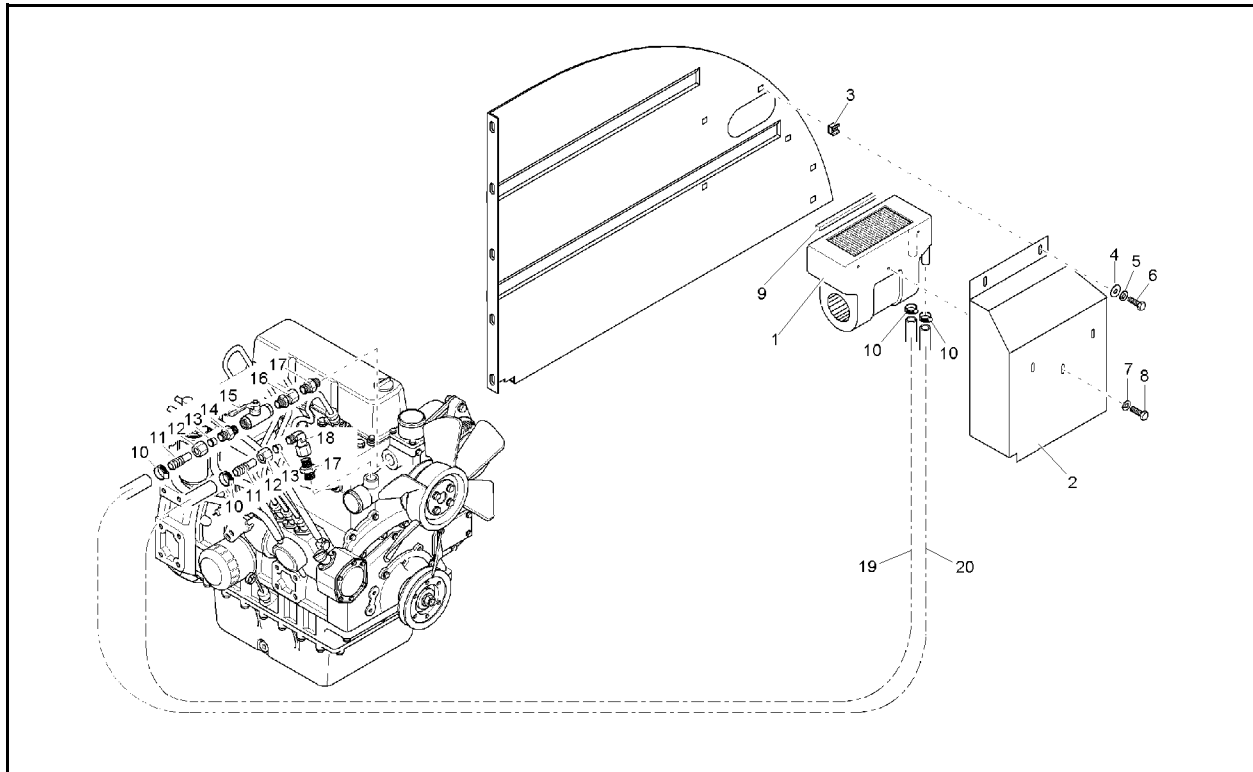


| Ref. |            |                                |      | Ref. |            |                       |      |
|------|------------|--------------------------------|------|------|------------|-----------------------|------|
| No.  | Part No.   | Description                    | Qty. | No.  | Part No.   | Description           | Qty. |
| 1    | 161077     | CAB HEATER                     | 1    | 11   | 160860     | HOSE COVER            | 2    |
| 2    | 206085     | HEATER HOUSING                 | 1    | 12   | 7788010663 | UNION NUT AL 12 VERZ. | 2    |
| 3    | 161615     | NUT/CAGE M8                    | 4    | 13   | 164929     | NUT                   | 2    |
| 4    | 7462680011 | WASHER 8.4 ST A2C              | 8    | 14   | 161476     | SCREW JOINT           | 3    |
| 5    | 163670     | LOCKWASHER                     | 8    | 15   | 160950     | BALL VALVE            | 1    |
| 6    | 656093     | CS M8-1.25 X 16 C8.8 ZY DIN931 | 4    | 16   | 161477     | SCREW JOINT           | 1    |
| 7    | 656048     | HN M8-1.25 C8 ZY DIN934        | 4    | 17   | 207252     | HEATER HOSE (3.0M)    | 1    |
| 8    | 206087     | INSULATING MAT                 | 1    | 18   | 161445     | 90° FITTING           | 1    |
| 9    | 206034     | SEAL FOAM (7.0M)               | 1    | 19   | 207252     | HEATER HOSE (3.0M)    | 1    |
| 10   | 162064     | HOSE CLAMP                     | 4    | 20   | 177934     | CLAMP                 | 4    |



| Ref.<br>No. | Part No.   | Description                    | Qty. | Ref.<br>No. | Part No.   | Description           | Qty. |
|-------------|------------|--------------------------------|------|-------------|------------|-----------------------|------|
| 1           | 178172     | CAB HEATER                     | 1    | 12          | 7788010663 | UNION NUT AL 12 VERZ. | 2    |
| 2           | 207066     | HEATER HOUSING                 | 1    | 13          | 161424     | WASHER                | 2    |
| 3           | 161615     | NUT/CAGE M8                    | 4    | 14          | 161476     | SCREW JOINT           | 3    |
| 4           | 7462680011 | WASHER 8.4 ST A2C              | 4    | 15          | 160950     | BALL VALVE            | 1    |
| 5           | 163670     | LOCKWASHER                     | 4    | 16          | 161477     | SCREW JOINT           | 1    |
| 6           | 656093     | CS M8-1.25 X 16 C8.8 ZY DIN931 | 4    | 17          | 207252     | HEATER HOSE (3.0M)    | 1    |
| 7           | 7462680008 | WASHER                         | 3    | 18          | 161445     | 90° FITTING           | 1    |
| 8           | 161630     | SCREW/HEX HD TAP B5.5 X 19     | 3    | 19          | 207252     | HEATER HOSE (3.0M)    | 1    |
| 9           | 206033     | SEAL FOAM (0.6M)               | 1    | 20          | 207067     | INSULATING MAT        | 1    |
| 10          | 162064     | HOSE CLAMP                     | 4    | 21          | 207068     | INSULATING MAT        | 1    |
| 11          | 160860     | HOSE COVER                     | 2    |             |            |                       |      |

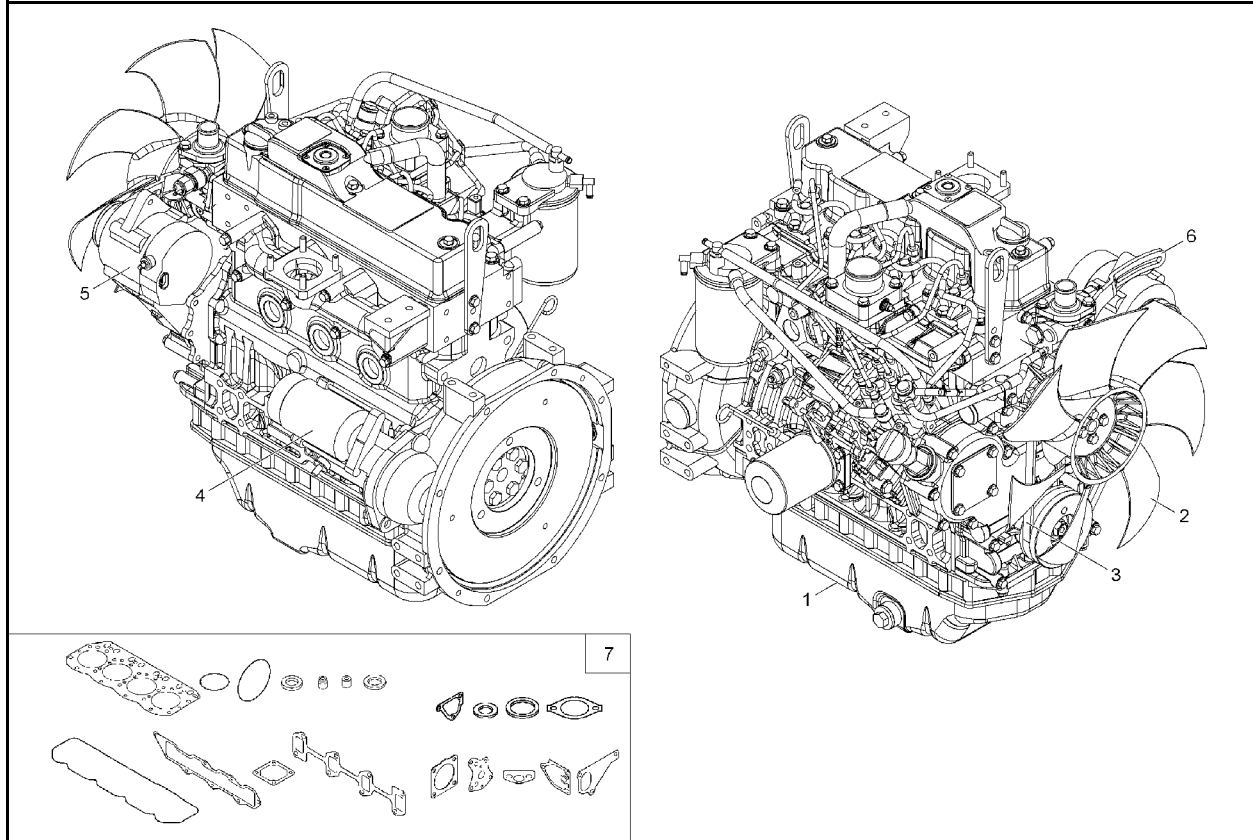
**3503/3703 - CAB HEATER** <https://truckmanualshub.com/>  
**1000127237 - (SN AD00001 - AD02910)**



| Ref.<br>No. | Part No.   | Description                    | Qty. | Ref.<br>No. | Part No.   | Description           | Qty. |
|-------------|------------|--------------------------------|------|-------------|------------|-----------------------|------|
| 1           | 178172     | CAB HEATER                     | 1    | 11          | 160860     | HOSE COVER            | 2    |
| 2           | 165082     | HEATER HOUSING                 | 1    | 12          | 7788010663 | UNION NUT AL 12 VERZ. | 2    |
| 3           | 161615     | NUT/CAGE M8                    | 4    | 13          | 164929     | NUT                   | 2    |
| 4           | 7462680011 | WASHER 8.4 ST A2C              | 4    | 14          | 161476     | SCREW JOINT           | 1    |
| 5           | 163670     | LOCKWASHER                     | 4    | 15          | 160950     | BALL VALVE            | 1    |
| 6           | 656093     | CS M8-1.25 X 16 C8.8 ZY DIN931 | 4    | 16          | 161477     | SCREW JOINT           | 1    |
| 7           | 7462680008 | WASHER                         | 3    | 17          | 161429     | SCREW JOINT 12L       | 2    |
| 8           | 161630     | SCREW/HEX HD TAP B5.5 X 19     | 3    | 18          | 161445     | 90° FITTING           | 1    |
| 9           | 206927     | SEAL FOAM (0.5M)               | 1    | 19          | 207252     | HEATER HOSE (3.0M)    | 1    |
| 10          | 162064     | HOSE CLAMP                     | 4    | 20          | 207252     | HEATER HOSE (3.0M)    | 1    |

# 3503/3703 - DIESEL ENGINE

## 1000179783 - (SN AG00593 (353) & SN AG00580 (373) AND UP)



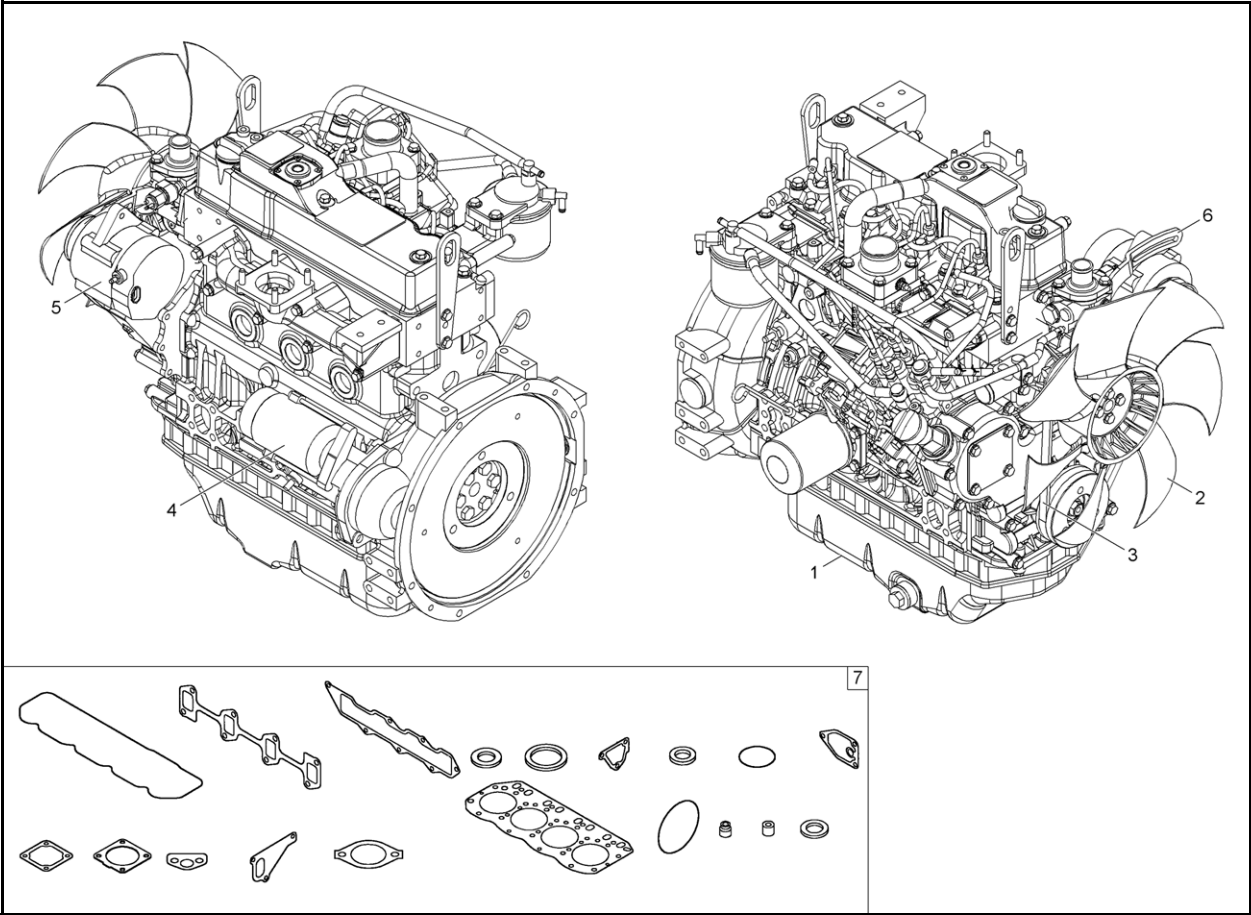
| Ref.<br>No. | Part No. | Description                            | Qty. |
|-------------|----------|----------------------------------------|------|
| 1           | 203567   | DIESEL ENGINE<br>(YANMAR 4TNV 88-BWNS) | 1    |
| 2           | 177632   | RADIATOR FAN                           | 1    |
| 3           | 177630   | V-BELT                                 | 1    |
| 4           | 177637   | STARTER                                | 1    |

| Ref.<br>No. | Part No. | Description        | Qty. |
|-------------|----------|--------------------|------|
| 5           | 177631   | ALTERNATOR         | 1    |
| 6           | 205853   | ALTERNATOR BRACKET | 1    |
| 7           | 202461   | SEAL KIT           | 1    |

3503/3703 - DIESEL ENGINE

https://truckmanualshub.com/

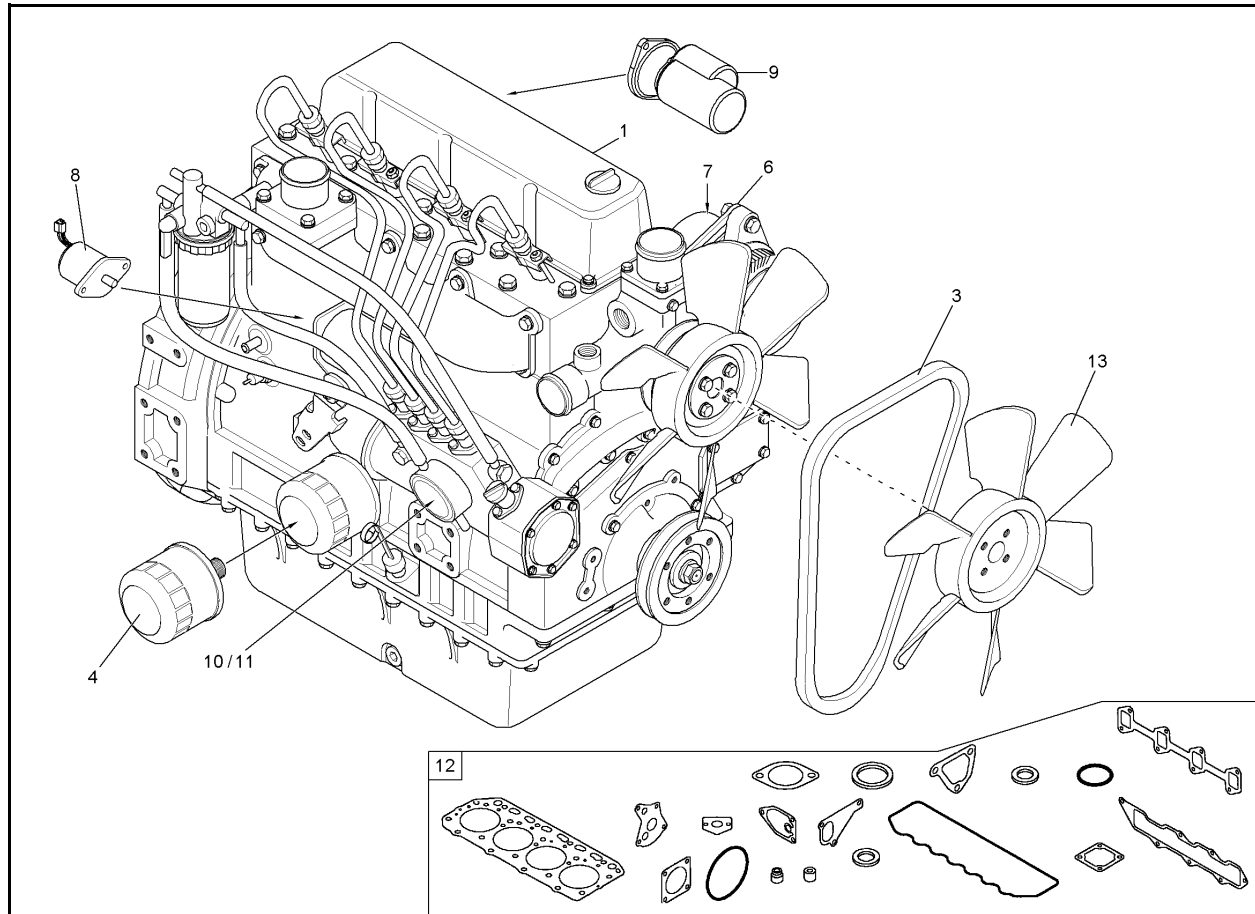
1000127714 - (SN AD01553 - AE02832 (353); SN AD01554 - AE02799 (373))



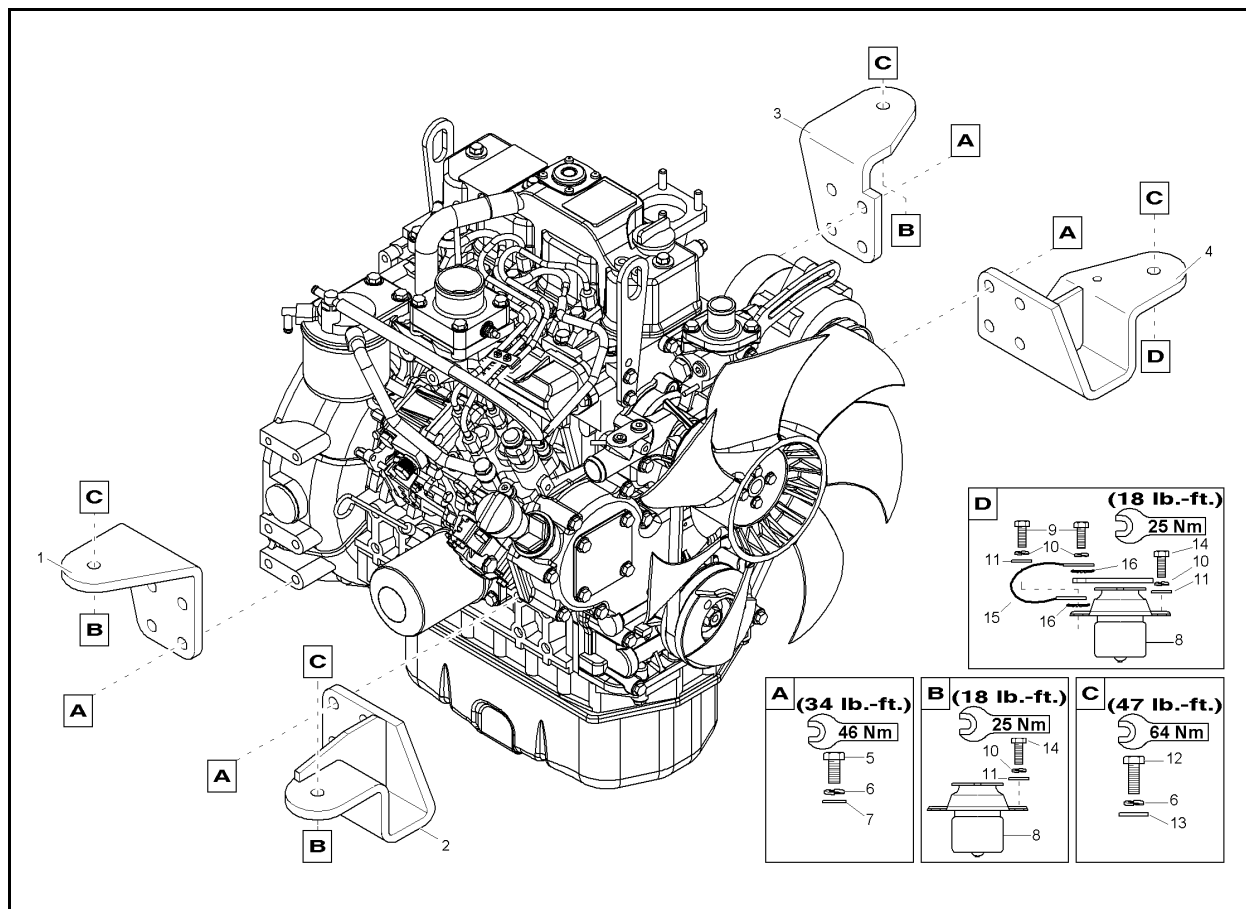
| Ref. No. | Part No. | Description                        | Qty. | Ref. No. | Part No. | Description                        | Qty. |
|----------|----------|------------------------------------|------|----------|----------|------------------------------------|------|
| 1        | 206804   | DIESEL ENGINE<br>YANMAR 4TNV88-WNS | 1    | 5        | 177631   | ALTERNATOR                         | 1    |
| 2        | 177632   | RADIATOR FAN                       | 1    | 6        | 177638   | CLAMP BAR/<br>ALTERNATOR ADJUSTING | 1    |
| 3        | 177630   | V-BELT                             | 1    | 7        | 177633   | GASKET/SEAL KIT                    | 1    |
| 4        | 177637   | STARTER                            | 1    |          |          |                                    |      |

# 3503/3703 - DIESEL ENGINE

## 1000127238 - (SN AD00001 - AD01552 (353) & AD01553 (373))

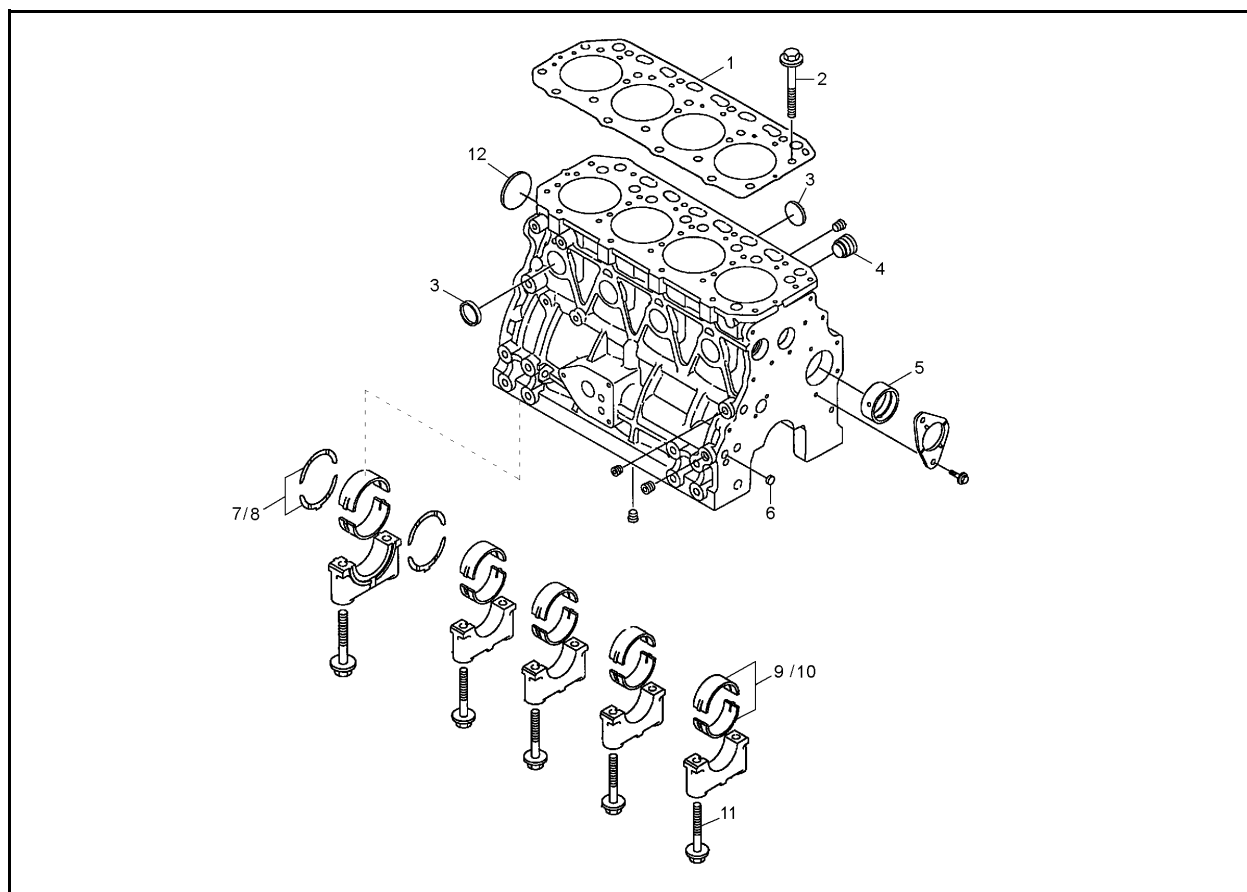


| Ref.<br>No. | Part No.   | Description                           | Qty. | Ref.<br>No. | Part No.  | Description             | Qty. |
|-------------|------------|---------------------------------------|------|-------------|-----------|-------------------------|------|
| 1           | 206819     | DIESEL ENGINE<br>(YANMAR 4TNE88-ENSR) | 1    | 8           | 425-35925 | SOLENOID STOP           | 1    |
| 3           | 177630     | V-BELT                                | 1    | 9           | 425-36088 | STARTER                 | 1    |
| 4           | 0210113712 | ENGINE OIL FILTER (250 HR)            | 1    | 10          | 425-34713 | PUMP ASSEMBLY/FUEL FEED | 1    |
| 6           | 178173     | CLAMP CLIP                            | 1    | 11          | 425-34714 | SEAL                    | 1    |
| 7           | 179057     | GENERATOR                             | 1    | 12          | 204909    | SEAL KIT                | 1    |
|             |            |                                       |      | 13          | 425-36086 | FAN/COOLING (D=360)     | 1    |



| Ref.<br>No. | Part No. | Description             | Qty. |
|-------------|----------|-------------------------|------|
| 1           | 162394   | ENGINE MOUNT/REAR       | 1    |
| 2           | 162392   | ENGINE MOUNT/FRONT      | 1    |
| 3           | 162395   | ENGINE MOUNT/REAR       | 1    |
| 4           | 162393   | ENGINE MOUNT/FRONT      | 1    |
| 5           | 651393   | CS M10-1.5 X 25 C8.8 ZY | 16   |
| 6           | 161669   | LOCKWASHER S10          | 20   |
| 7           | 161640   | WASHER/GR A 10.5        | 16   |
| 8           | 160645   | MOTOR MOUNT             | 4    |

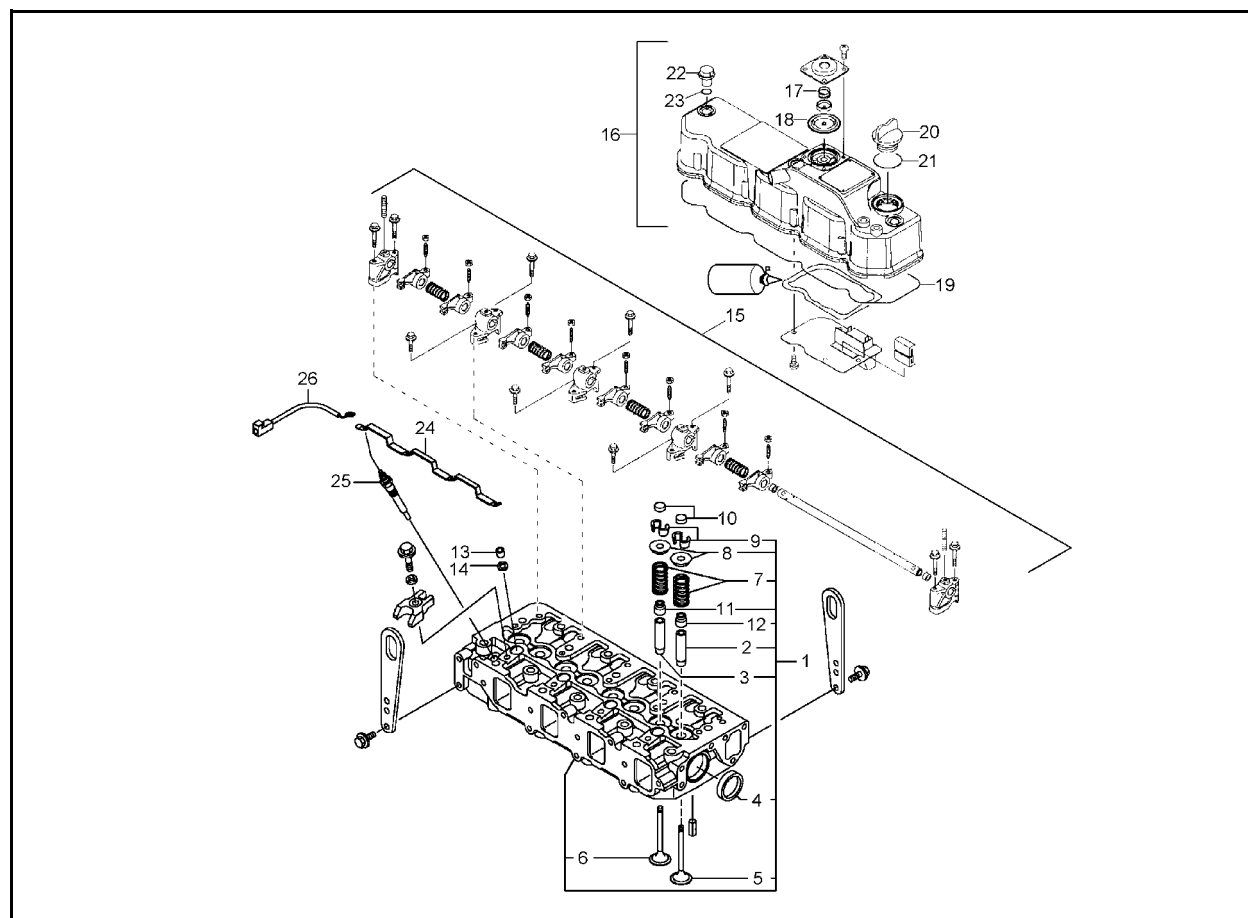
| Ref.<br>No. | Part No. | Description                     | Qty. |
|-------------|----------|---------------------------------|------|
| 9           | 177648   | HEX SCREW                       | 2    |
| 10          | 163670   | LOCKWASHER                      | 9    |
| 11          | 163634   | WASHER                          | 8    |
| 12          | 651395   | CS M10-1.5 X 30 C10.9 ZY DIN931 | 4    |
| 13          | 163642   | WASHER                          | 4    |
| 14          | 656093   | CS M8-1.25 X 16 C8.8 ZY DIN931  | 7    |
| 15          | 165224   | GROUND CABLE                    | 1    |
| 16          | 177461   | EXTERNAL TOOTH LOCKWASHER       | 2    |



| Ref.<br>No. | Part No.   | Description          | Qty. | Ref.<br>No. | Part No. | Description              | Qty. |
|-------------|------------|----------------------|------|-------------|----------|--------------------------|------|
| 1           | 425-36006  | GASKET/CYLINDER HEAD | 1    | 7           | 177240   | AXIAL BEARING            | 2    |
| 2           | 206387     | CYLINDER HEAD SCREW  | 18   | 8           | 177362   | AXIAL BEARING OS=0.25    | 2    |
| 3           | 0210110506 | PLUG                 | 8    | 9           | 177288   | MAIN BEARING SET         | 5    |
| 4           | 206388     | PLUG                 | 1    | 10          | 177241   | MAIN BEARING SET US=0.25 | 5    |
| 5           | 177290     | BUSHING              | 1    | 11          | 206389   | SCREW                    | 10   |
| 6           | 177260     | PLUG                 | 2    | 12          | 177252   | PLUG                     | 1    |

# 3503/3703 - CYLINDER HEAD & VALVE COVER

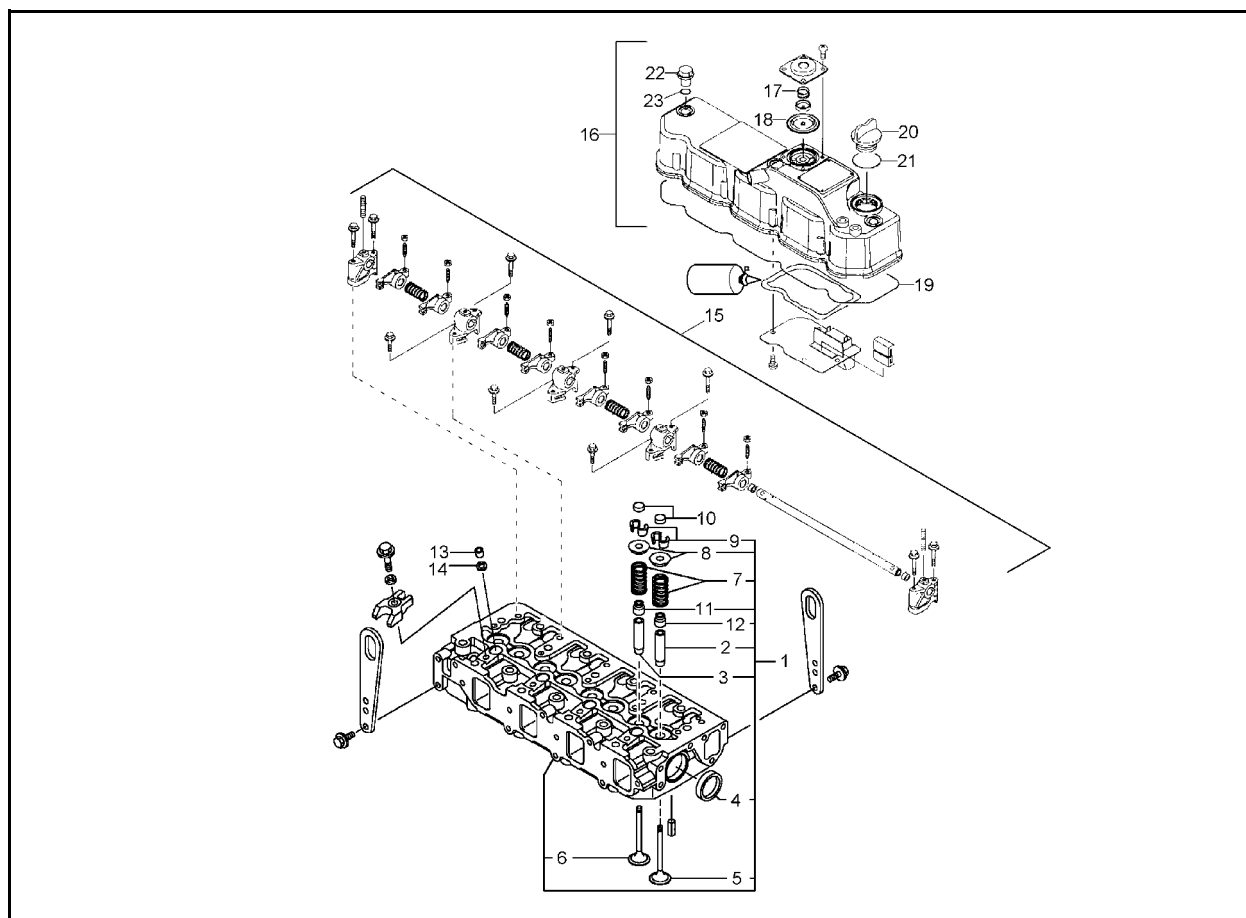
1000181478 - (SN AG00593 (353) & SN AG00580 (373) AND UP)



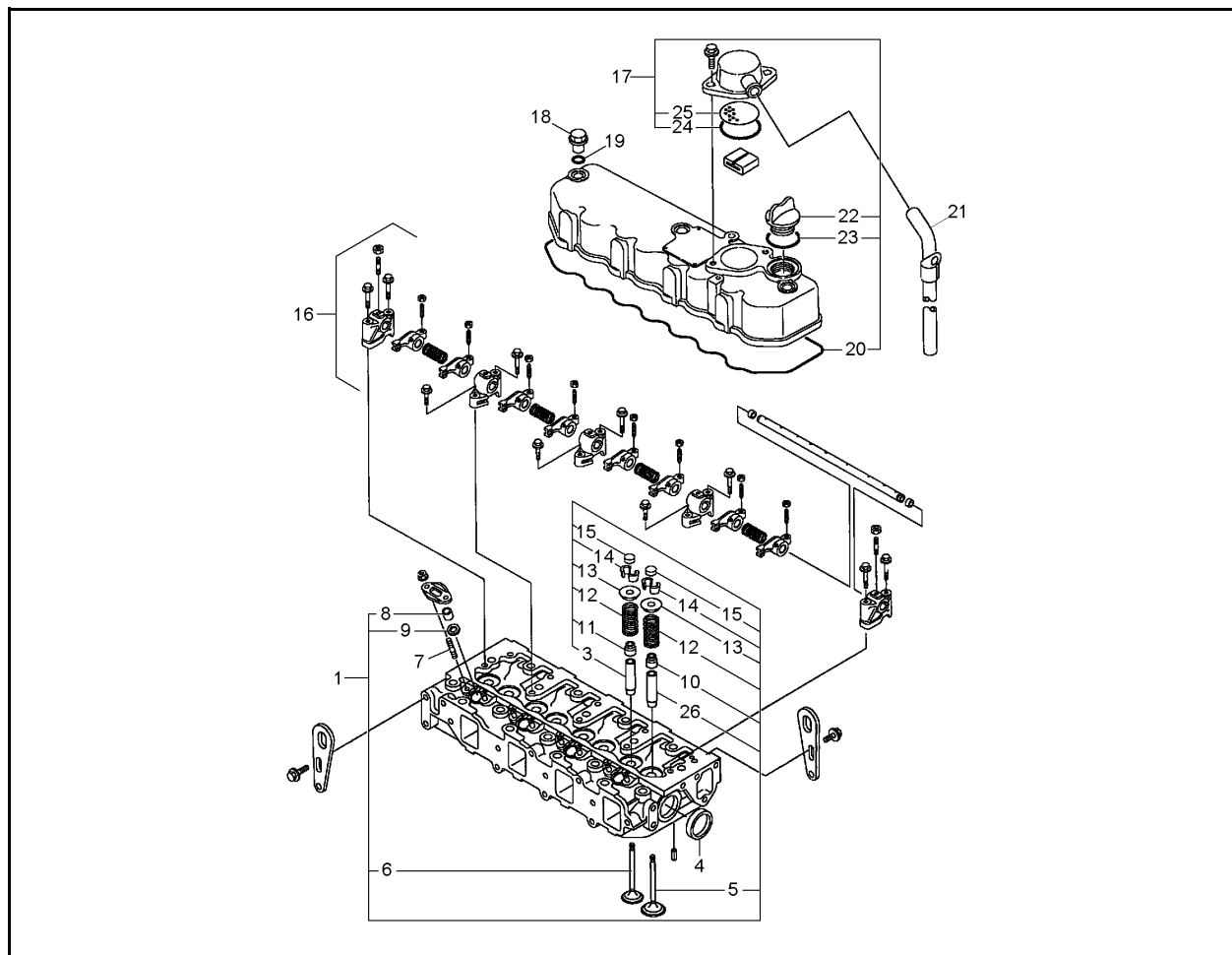
| Ref.<br>No. | Part No. | Description   | Qty. | Ref.<br>No. | Part No. | Description      | Qty. |
|-------------|----------|---------------|------|-------------|----------|------------------|------|
| 1           | 202466   | CYLINDER HEAD | 1    | 14          | 206380   | SEAL RING        | 4    |
| 2           | 177293   | GUIDE         | 4    | 15          | 206381   | SHAFT            | 1    |
| 3           | 177255   | VALVE         | 4    | 16          | 177278   | VALVE COVER      | 1    |
| 4           | 177236   | PLUG          | 2    | 17          | 206382   | SPRING           | 1    |
| 5           | 202467   | INTAKE VALVE  | 4    | 18          | 206383   | DIAPHRAM         | 1    |
| 6           | 177291   | EXHAUST VALVE | 4    | 19          | 177729   | VALVE COVER SEAL | 1    |
| 7           | 177295   | SPRING        | 8    | 20          | 164662   | FILLER CAP       | 1    |
| 8           | 177296   | SPACER        | 8    | 21          | 177242   | O-RING           | 1    |
| 9           | 177297   | CLAMP         | 8    | 22          | 206385   | HEADNUT          | 3    |
| 10          | 206069   | CAP           | 8    | 23          | 164666   | O-RING           | 3    |
| 11          | 177246   | SEAL KIT      | 4    | 24          | 202470   | CONNECTION       | 1    |
| 12          | 177246   | SEAL KIT      | 4    | 25          | 202468   | GLOW PLUG        | 4    |
| 13          | 177350   | SHIELD        | 4    | 26          | 202469   | CABLE            | 1    |

# 3503/3703 CYLINDER HEAD & VALVE COVER

1000124263 - (SN AD01553 - AE02832 (353); SN AD01554 - AE02799 (373))



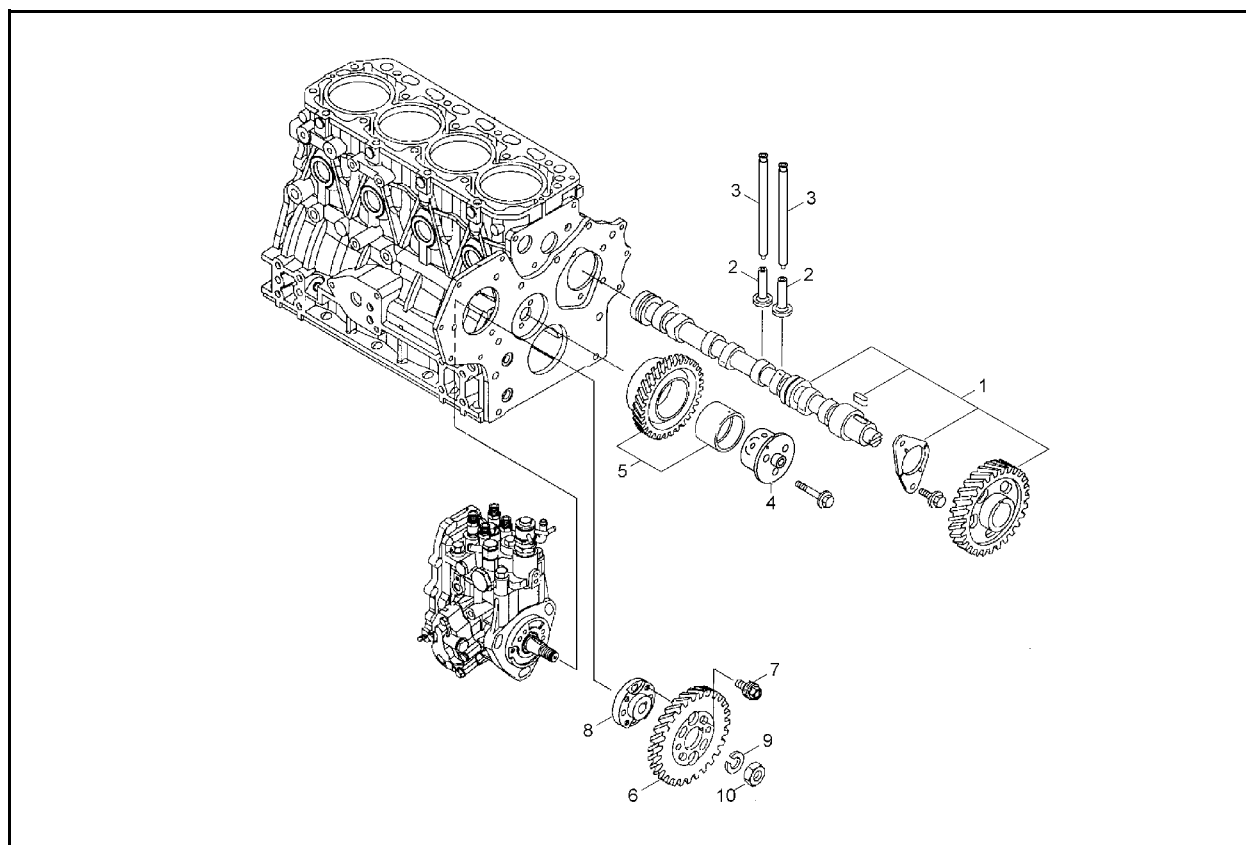
| Ref.<br>No. | Part No. | Description   | Qty. | Ref.<br>No. | Part No. | Description      | Qty. |
|-------------|----------|---------------|------|-------------|----------|------------------|------|
| 1           | 177276   | CYLINDER HEAD | 1    | 13          | 177350   | SHIELD           | 4    |
| 2           | 177293   | GUIDE         | 4    | 14          | 206380   | SEAL RING        | 4    |
| 3           | 177255   | VALVE         | 4    | 15          | 206381   | SHAFT            | 1    |
| 4           | 177236   | PLUG          | 2    | 16          | 177278   | VALVE COVER      | 1    |
| 5           | 177292   | INTAKE VALVE  | 4    | 17          | 206382   | SPRING           | 1    |
| 6           | 177291   | EXHAUST VALVE | 4    | 18          | 206383   | DIAPHRAM         | 1    |
| 7           | 177295   | SPRING        | 8    | 19          | 177729   | VALVE COVER SEAL | 1    |
| 8           | 177296   | SPACER        | 8    | 20          | 164662   | FILLER CAP       | 1    |
| 9           | 177297   | CLAMP         | 8    | 21          | 177242   | O-RING           | 1    |
| 10          | 206069   | CAP           | 8    | 22          | 206385   | HEADNUT          | 3    |
| 11          | 177246   | SEAL KIT      | 4    | 23          | 164666   | O-RING           | 3    |
| 12          | 177246   | SEAL KIT      | 4    |             |          |                  |      |



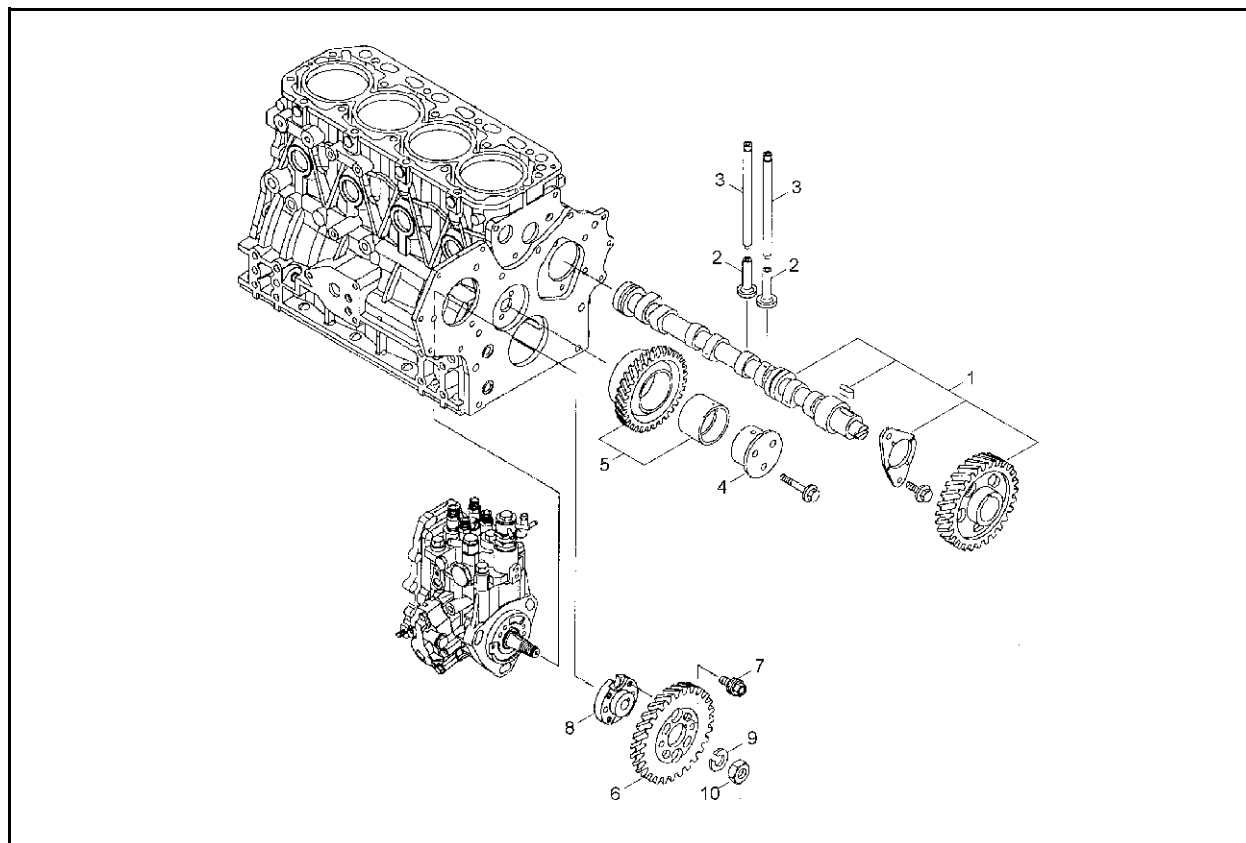
| Ref.<br>No. | Part No. | Description    | Qty. | Ref.<br>No. | Part No.  | Description       | Qty. |
|-------------|----------|----------------|------|-------------|-----------|-------------------|------|
| 1           | 204779   | CYLINDER HEAD  | 1    | 15          | 206069    | CAP               | 8    |
| 3           | 177255   | VALVE          | 4    | 16          | 203920    | SHAFT             | 1    |
| 4           | 177236   | PLUG           | 2    | 17          | 204784    | VALVE COVER       | 1    |
| 5           | 204781   | INTAKE VALVE   | 4    | 18          | 206385    | HEADNUT           | 3    |
| 6           | 177291   | EXHAUST VALVE  | 4    | 19          | 164666    | O-RING            | 3    |
| 7           | 204782   | STUD BOLT      | 8    | 20          | 425-34689 | GASKET/HEAD COVER | 1    |
| 8           | 164704   | THERMAL SHIELD | 4    | 21          | 204785    | VENTING HOSE      | 1    |
| 9           | 206380   | SEAL RING      | 4    | 22          | 164662    | FILLER CAP        | 1    |
| 10          | 206068   | SEAL           | 4    | 23          | 177242    | O-RING            | 1    |
| 11          | 177246   | SEAL KIT       | 4    | 24          | 204786    | SEAL              | 1    |
| 12          | 177295   | SPRING         | 8    | 25          | 204787    | SCREEN            | 1    |
| 13          | 177296   | SPACER         | 8    | 26          | 177293    | GUIDE             | 4    |
| 14          | 177297   | CLAMP          | 8    |             |           |                   |      |

# 3503/3703 - CAMSHAFT

## 1000181481 - (SN AG00593 (353) & SN AG00580 (373) AND UP)



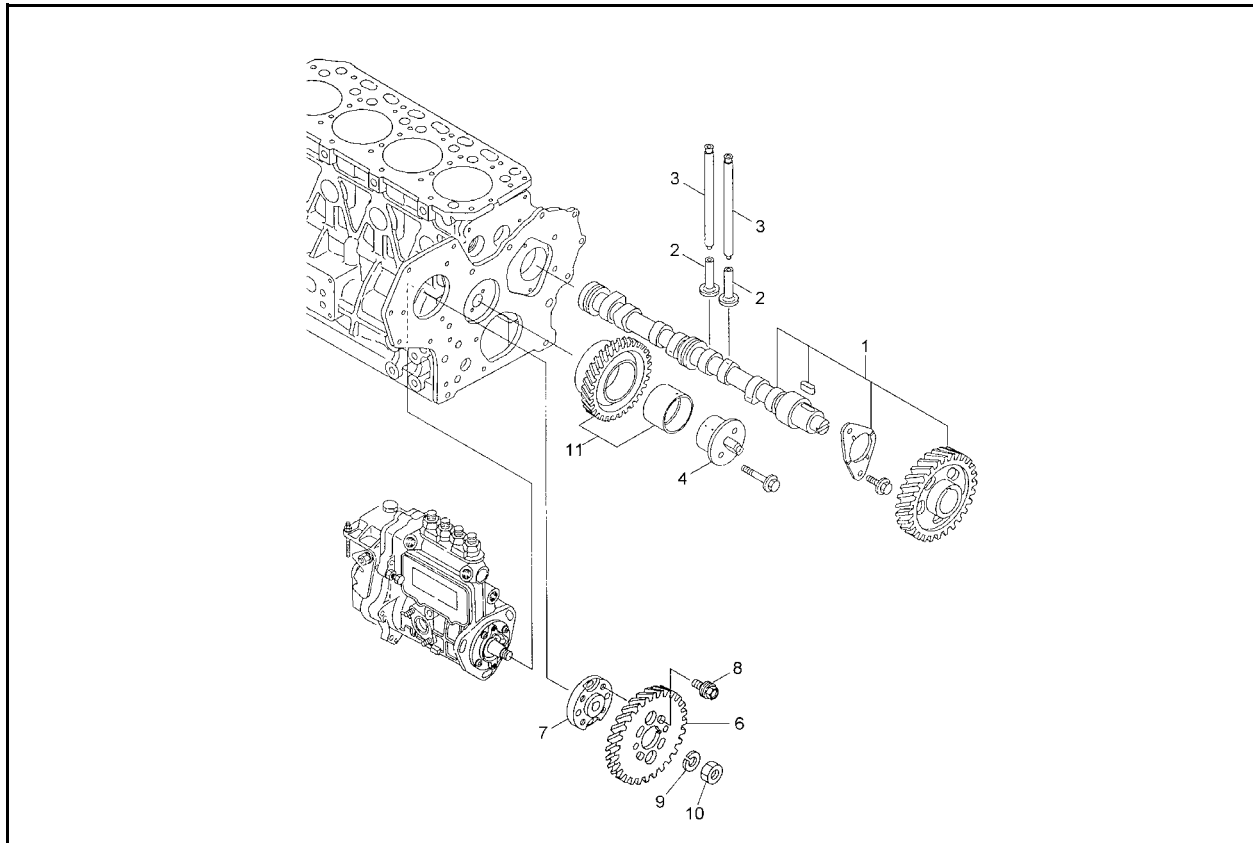
| Ref.<br>No. | Part No. | Description   | Qty. | Ref.<br>No. | Part No. | Description | Qty. |
|-------------|----------|---------------|------|-------------|----------|-------------|------|
| 1           | 206394   | CAMSHAFT ASSY | 1    | 6           | 177300   | GEAR        | 1    |
| 2           | 177346   | LIFTER        | 8    | 7           | 207036   | SCREW       | 4    |
| 3           | 177270   | PUSH ROD      | 8    | 8           | 177364   | FLANGE      | 1    |
| 4           | 202473   | BRACKET       | 1    | 9           | 177365   | SPRING RING | 1    |
| 5           | 177303   | GEAR          | 1    | 10          | 177366   | NUT         | 1    |



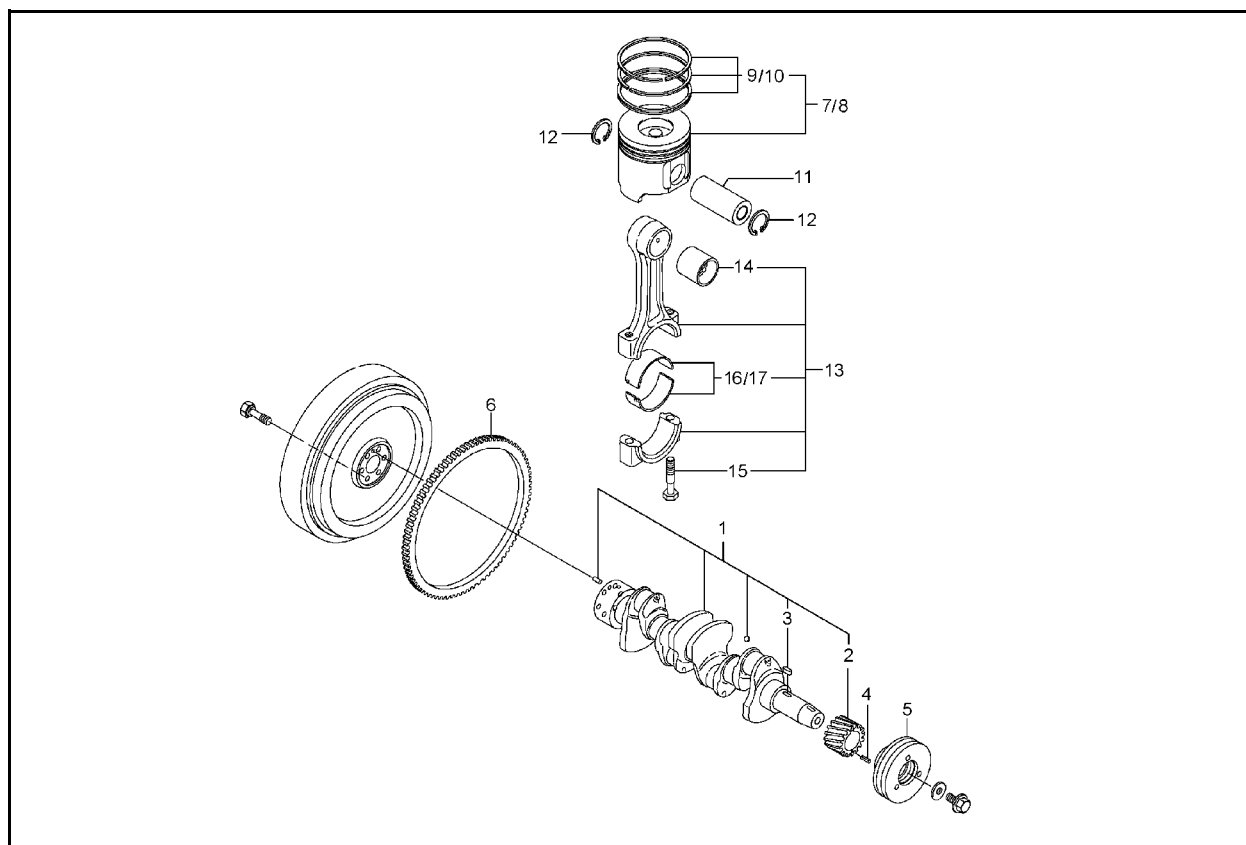
| Ref.<br>No. | Part No. | Description   | Qty. | Ref.<br>No. | Part No. | Description | Qty. |
|-------------|----------|---------------|------|-------------|----------|-------------|------|
| 1           | 206394   | CAMSHAFT ASSY | 1    | 6           | 177300   | GEAR        | 1    |
| 2           | 177346   | LIFTER        | 8    | 7           | 207036   | SCREW       | 4    |
| 3           | 177270   | PUSH ROD      | 8    | 8           | 177364   | FLANGE      | 1    |
| 4           | 177302   | BRACKET       | 1    | 9           | 177365   | SPRING RING | 1    |
| 5           | 177303   | GEAR          | 1    | 10          | 177366   | NUT         | 1    |

# 3503/3703 - CAMSHAFT

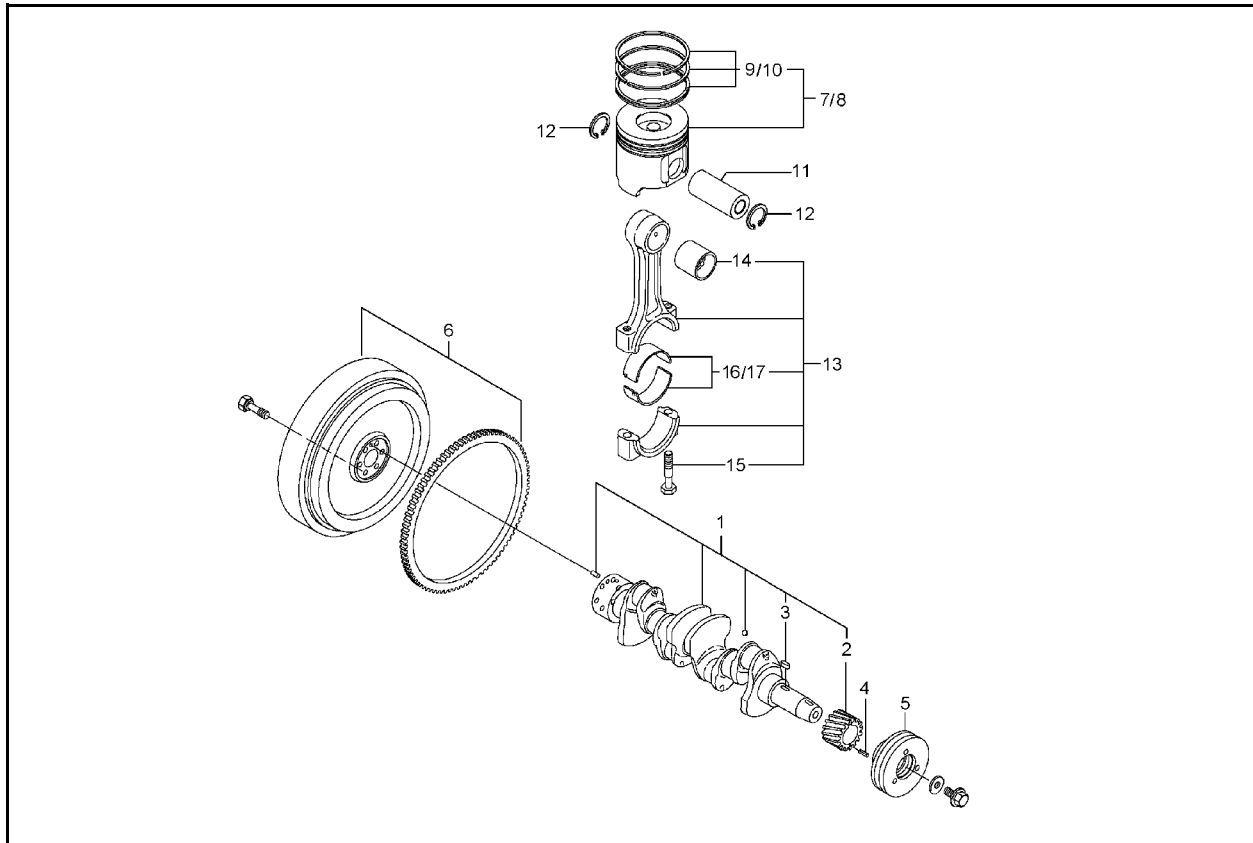
## 1000152131 - (SN AD00001 - AD01552 (353) & AD01553 (373))



| Ref.<br>No. | Part No. | Description   | Qty. | Ref.<br>No. | Part No. | Description | Qty. |
|-------------|----------|---------------|------|-------------|----------|-------------|------|
| 1           | 206394   | CAMSHAFT ASSY | 1    | 7           | 203921   | FLANGE      | 1    |
| 2           | 177346   | LIFTER        | 8    | 8           | 207036   | SCREW       | 4    |
| 3           | 177270   | PUSH ROD      | 8    | 9           | 206258   | SPRING RING | 1    |
| 4           | 204789   | BRACKET       | 1    | 10          | 206259   | HEXAGON NUT | 1    |
| 6           | 204791   | GEAR          | 1    | 11          | 204793   | GEAR        | 1    |

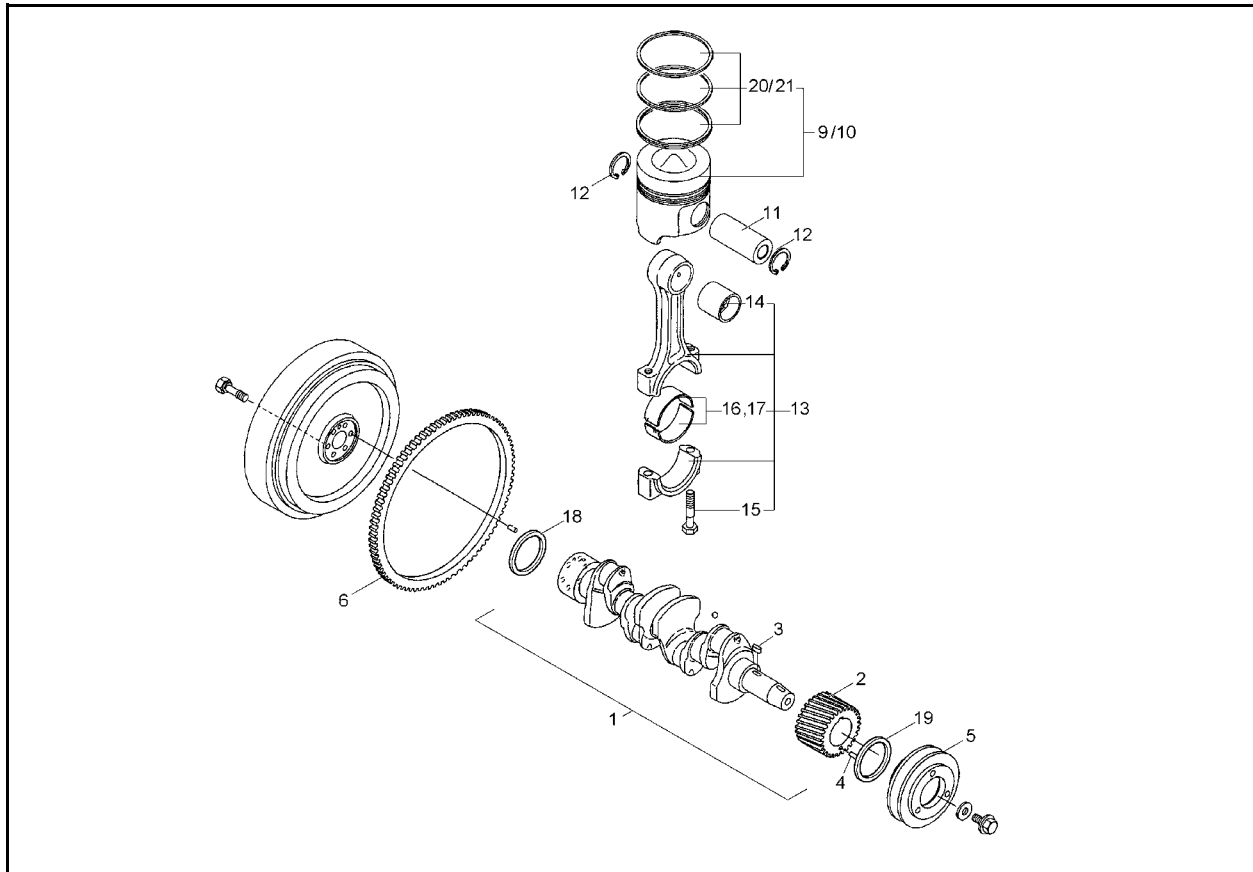


| Ref.<br>No. | Part No. | Description      | Qty. | Ref.<br>No. | Part No. | Description               | Qty. |
|-------------|----------|------------------|------|-------------|----------|---------------------------|------|
| 1           | 202474   | CRANKSHAFT       | 1    | 10          | 177356   | BACKUP RINGS SET OS=0.25  | 4    |
| 2           | 202475   | GEAR             | 1    | 11          | 177317   | PIN                       | 4    |
| 3           | 177301   | FITTING KEY      | 1    | 12          | 177315   | LOCK RING                 | 8    |
| 4           | 177313   | SPRING PIN       | 1    | 13          | 177258   | CONNECTING ROD            | 4    |
| 5           | 177280   | BELT PULLEY      | 1    | 14          | 177318   | BUSHING                   | 4    |
| 6           | 209482   | RING GEAR        | 1    | 15          | 206909   | SCREW                     | 8    |
| 7           | 177316   | PISTON           | 4    | 16          | 177319   | CONN. ROD BEARING         | 4    |
| 8           | 177357   | PISTON OS=0.25   | 4    | 17          | 177269   | CONN. ROD BEARING US=0.25 | 4    |
| 9           | 177314   | BACKUP RINGS SET | 4    |             |          |                           |      |



| Ref.<br>No. | Part No. | Description      | Qty. | Ref.<br>No. | Part No. | Description               | Qty. |
|-------------|----------|------------------|------|-------------|----------|---------------------------|------|
| 1           | 177353   | CRANKSHAFT       | 1    | 10          | 177356   | BACKUP RINGS SET OS=0.25  | 4    |
| 2           | 177354   | GEAR             | 1    | 11          | 177317   | PIN                       | 4    |
| 3           | 177301   | FITTING KEY      | 1    | 12          | 177315   | LOCK RING                 | 8    |
| 4           | 177313   | SPRING PIN       | 1    | 13          | 177258   | CONNECTING ROD            | 4    |
| 5           | 177280   | BELT PULLEY      | 1    | 14          | 177318   | BUSHING                   | 4    |
| 6           | 209969   | FLYWHEEL         | 1    | 15          | 206909   | SCREW                     | 8    |
| 7           | 177316   | PISTON           | 4    | 16          | 177319   | CONN. ROD BEARING         | 4    |
| 8           | 177357   | PISTON OS=0.25   | 4    | 17          | 177269   | CONN. ROD BEARING US=0.25 | 4    |
| 9           | 177314   | BACKUP RINGS SET | 4    |             |          |                           |      |

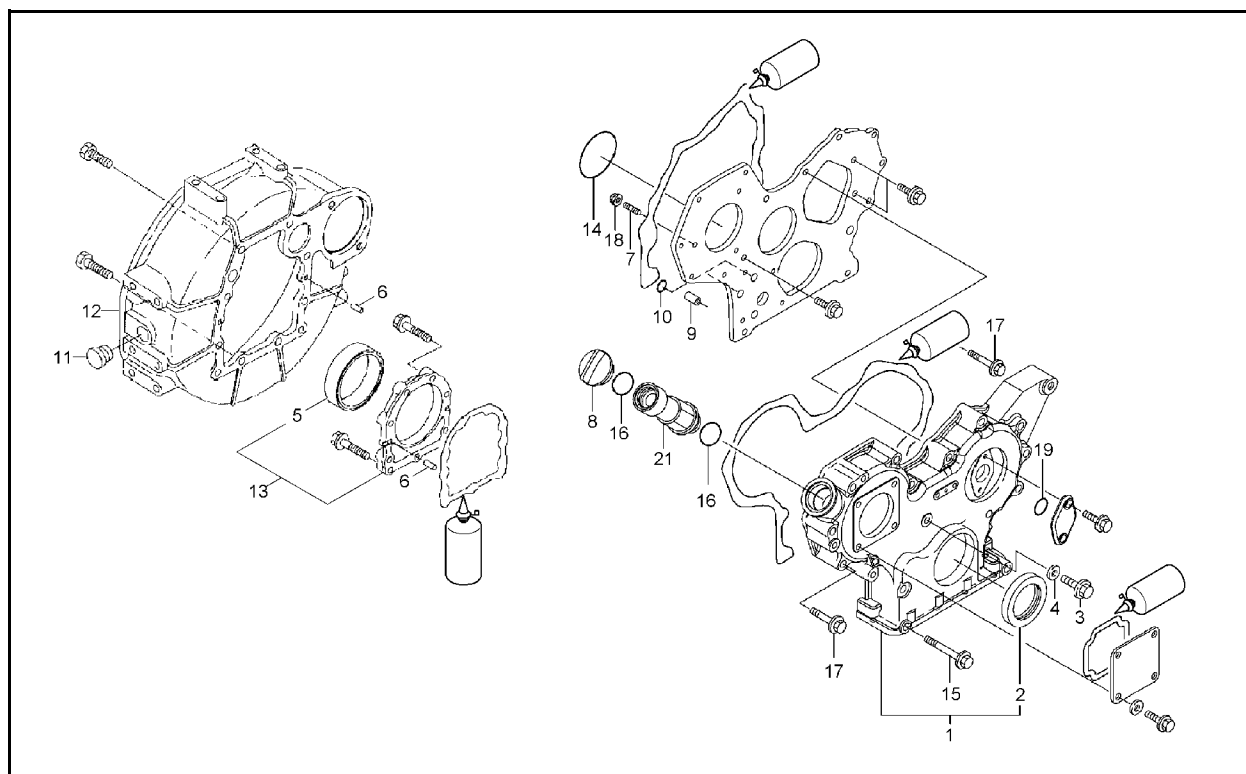
**3503/3703 - CRANKSHAFT**<https://truckmanualshub.com/>  
**1000146560 - (SN AD00001 - AD01552 (353) & AD01553 (373))**



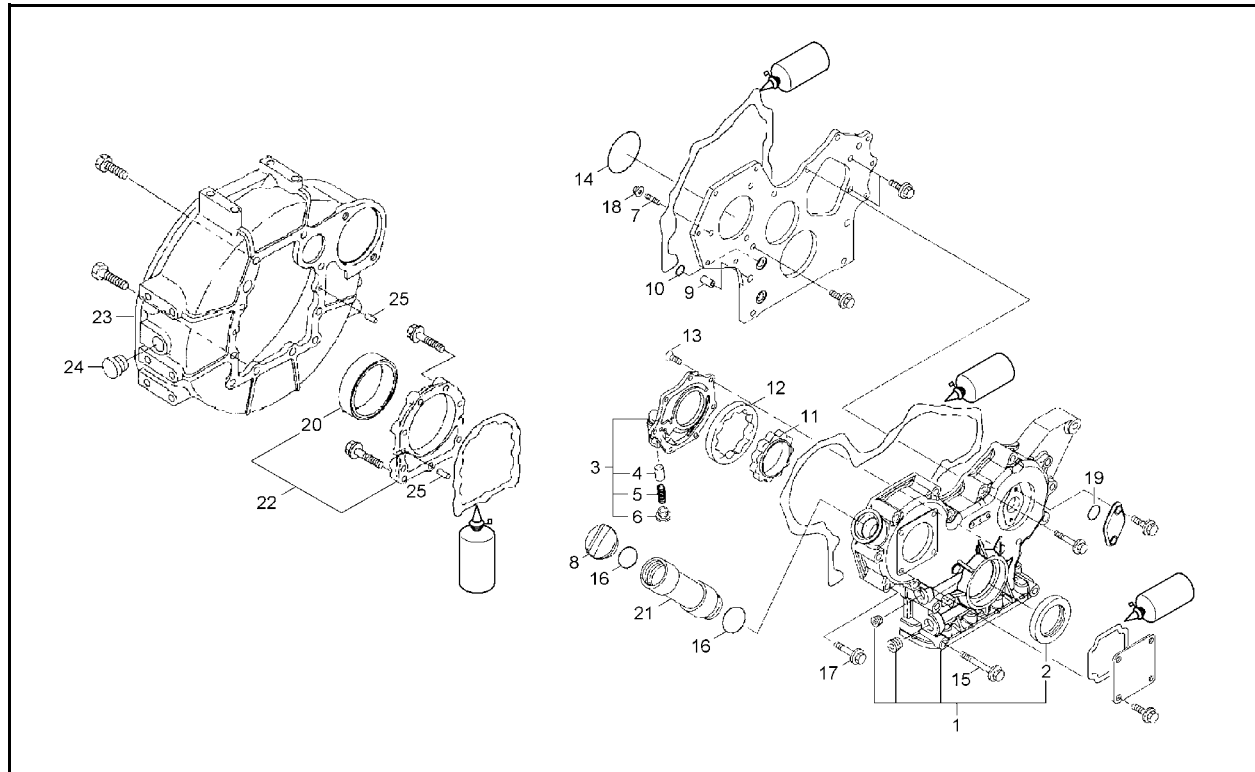
| Ref.<br>No. | Part No. | Description      | Qty. | Ref.<br>No. | Part No. | Description           | Qty. |
|-------------|----------|------------------|------|-------------|----------|-----------------------|------|
| 1           | 206902   | CRANK SHAFT      | 1    | 13          | 177258   | CONNECTING ROD        | 4    |
| 2           | 206903   | GEAR             | 1    | 14          | 177318   | BUSHING               | 4    |
| 3           | 177301   | FITTING KEY      | 1    | 15          | 206909   | SCREW                 | 8    |
| 4           | 206904   | CYLINDER PIN     | 1    | 16          | 177319   | BEARING               | 4    |
| 5           | 206905   | PULLEY           | 1    | 17          | 177269   | BEARING (US=0.25)     | 4    |
| 6           | 209482   | RING GEAR        | 1    | 18          | 177324   | SEAL                  | 1    |
| 9           | 206908   | PISTON           | 4    | 19          | 177238   | SHAFT SEAL            | 1    |
| 10          | 206892   | PISTON (OS=0.25) | 4    | 20          | 206910   | PISTON RING           | 4    |
| 11          | 177317   | PIN              | 4    | 21          | 206911   | PISTON RING (OS=0.25) | 4    |
| 12          | 177315   | LOCK RING        | 8    |             |          |                       |      |

# 3503/3703 - CRANKSHAFT SEAL

## 1000181480 - (SN AG00593 (353) & SN AG00580 (373) AND UP)



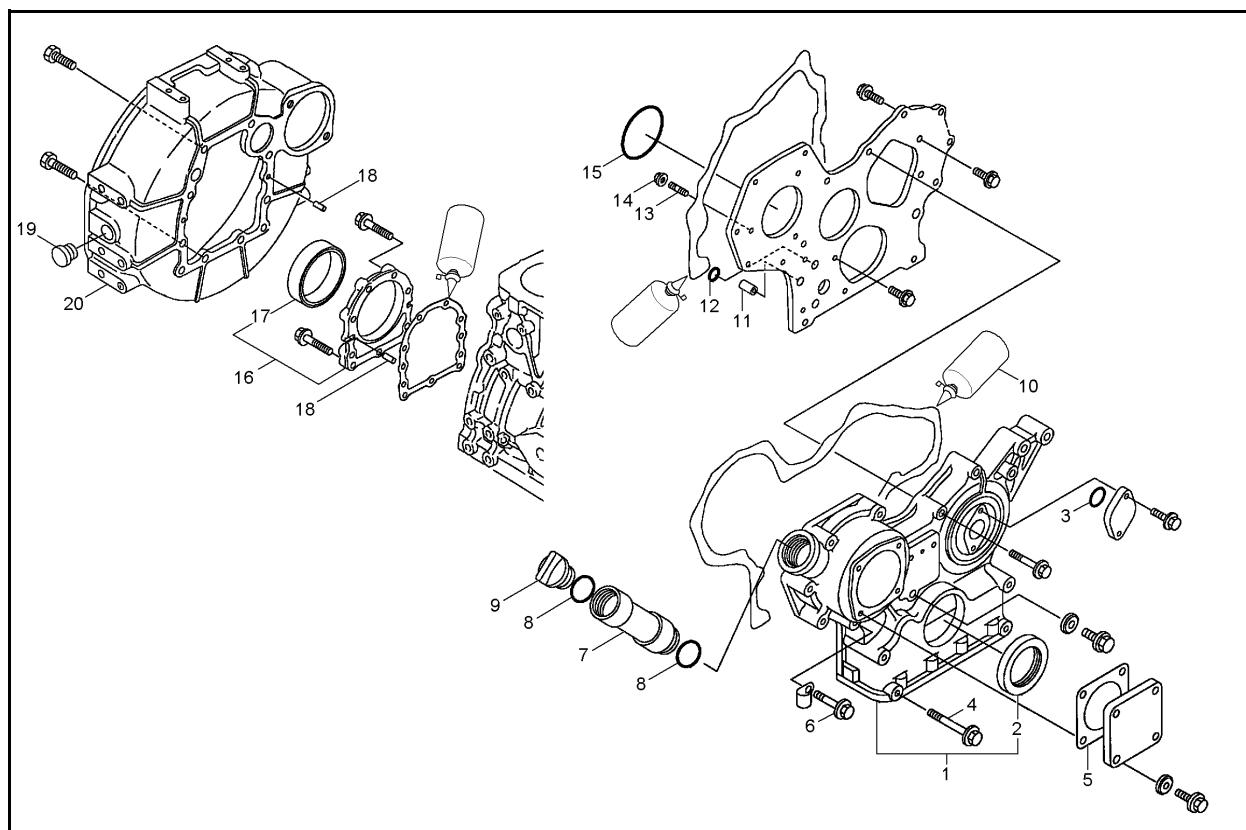
| Ref.<br>No. | Part No. | Description | Qty. | Ref.<br>No. | Part No. | Description      | Qty. |
|-------------|----------|-------------|------|-------------|----------|------------------|------|
| 1           | 202471   | GEARBOX     | 1    | 11          | 177249   | RUBBER PLUG      | 1    |
| 2           | 202472   | SHAFT SEAL  | 1    | 12          | 177326   | FLYWHEEL HOUSING | 1    |
| 3           | 206251   | SCREW       | 1    | 13          | 177323   | COVER            | 1    |
| 4           | 177462   | SEAL RING   | 1    | 14          | 177263   | O-RING           | 1    |
| 5           | 177234   | SEAL        | 1    | 15          | 177322   | SCREW            | 3    |
| 6           | 208161   | FITTING PIN | 4    | 16          | 177242   | O-RING           | 2    |
| 7           | 177372   | STUD BOLT   | 3    | 17          | 164434   | SCREW            | 12   |
| 8           | 164662   | FILLER CAP  | 1    | 18          | 177400   | HEXAGON NUT      | 3    |
| 9           | 207031   | PIPELINE    | 2    | 19          | 164779   | O-RING           | 1    |
| 10          | 206391   | O-RING      | 4    | 20          | 177250   | OIL FILLER PIPE  | 1    |



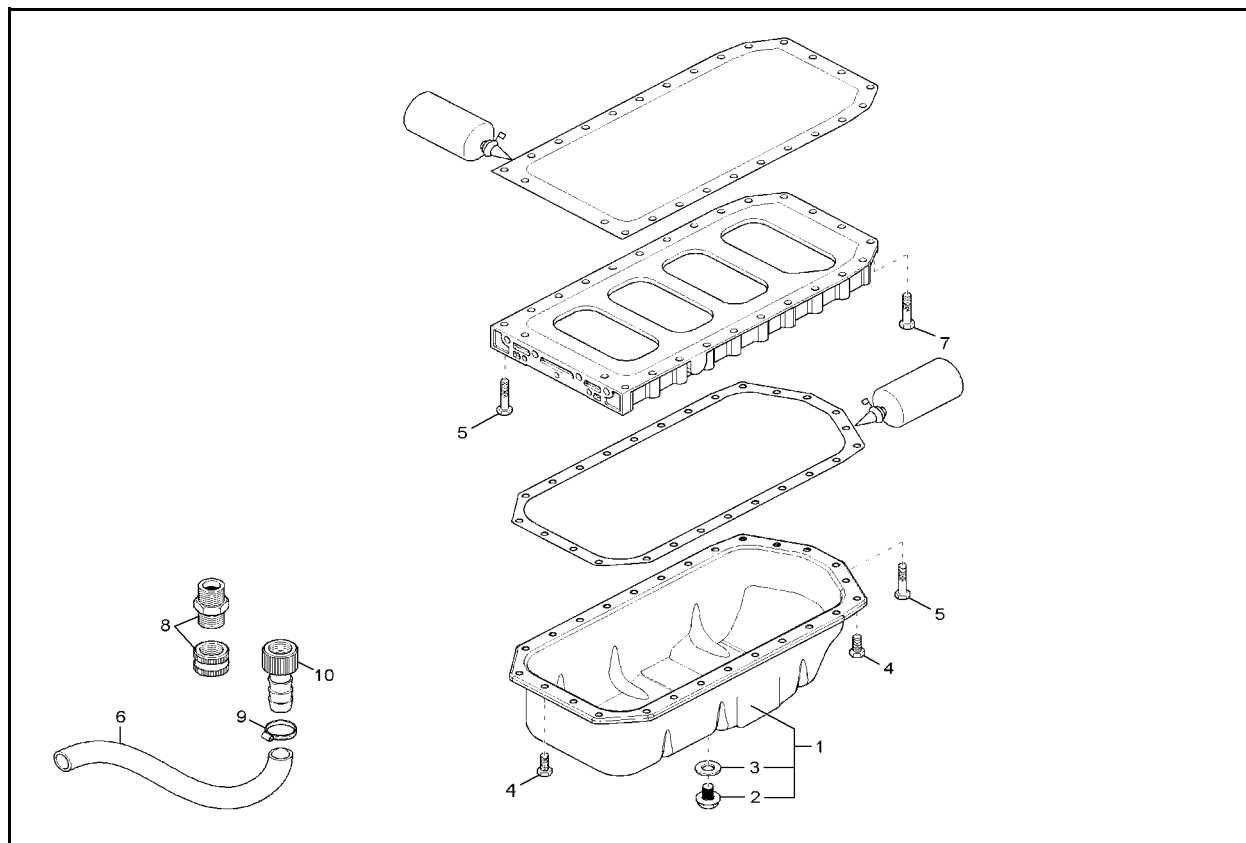
| Ref.<br>No. | Part No. | Description | Qty. | Ref.<br>No. | Part No. | Description      | Qty. |
|-------------|----------|-------------|------|-------------|----------|------------------|------|
| 1           | 177321   | GEARBOX     | 1    | 14          | 177263   | O-RING           | 1    |
| 2           | 177238   | SHAFT SEAL  | 1    | 15          | 177322   | SCREW            | 3    |
| 3           | 177368   | COVER       | 1    | 16          | 177242   | O-RING           | 2    |
| 4           | 177369   | VALVE       | 1    | 17          | 164434   | SCREW            | 12   |
| 5           | 177370   | SPRING      | 1    | 18          | 177400   | HEXAGON NUT      | 3    |
| 6           | 177371   | PLUG        | 1    | 19          | 164779   | O-RING           | 1    |
| 7           | 177372   | STUD BOLT   | 3    | 20          | 177324   | SEAL             | 1    |
| 8           | 164662   | FILLER CAP  | 1    | 21          | 177250   | OIL FILLER PIPE  | 1    |
| 9           | 207031   | PIPELINE    | 2    | 22          | 177323   | COVER            | 1    |
| 10          | 206391   | O-RING      | 4    | 23          | 177326   | FLYWHEEL HOUSING | 1    |
| 11          | 177374   | GEAR        | 1    | 24          | 177249   | RUBBER PLUG      | 1    |
| 12          | 177375   | GEAR        | 1    | 25          | 208161   | FITTING PIN      | 4    |
| 13          | 177367   | SCREW       | 7    |             |          |                  |      |

# 3503/3703 - CRANKSHAFT SEAL

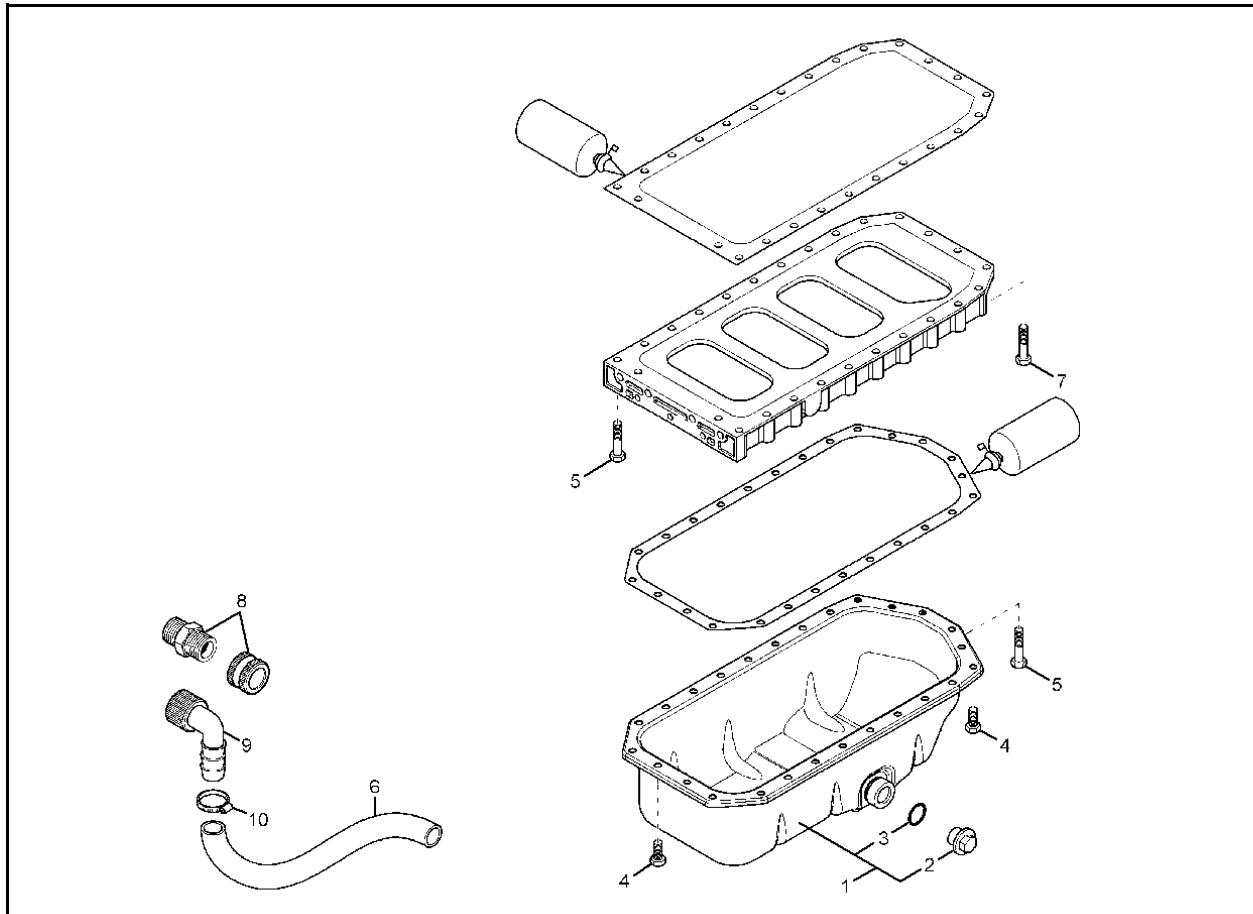
## 1000152134 - (SN AD00001 - AD01552 (353) & AD01553 (373))



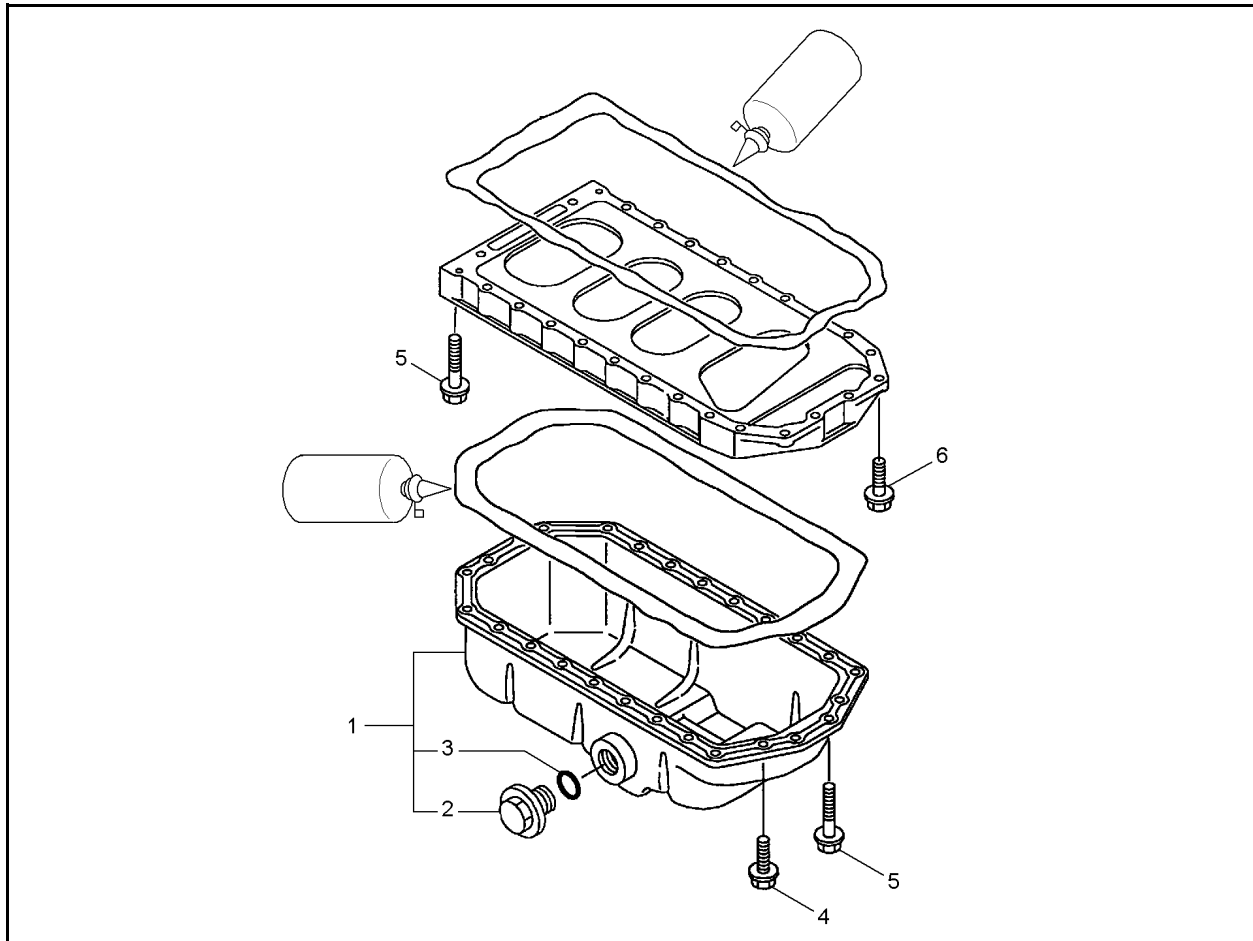
| Ref.<br>No. | Part No. | Description           | Qty. | Ref.<br>No. | Part No. | Description      | Qty. |
|-------------|----------|-----------------------|------|-------------|----------|------------------|------|
| 1           | 204788   | GEARBOX W/SHAFT SEAL  | 1    | 12          | 177659   | O-RING           | 2    |
| 2           | 177238   | SHAFT SEAL            | 1    | 13          | 178405   | STUD BOLT        | 3    |
| 3           | 164779   | O-RING                | 1    | 14          | 164345   | NUT              | 3    |
| 4           | 177322   | SCREW                 | 4    | 15          | 177263   | O-RING           | 1    |
| 5           | 208171   | GASKET INJECTION PUMP | 1    | 16          | 177323   | COVER            | 1    |
| 6           | 177402   | SCREW                 | 6    | 17          | 177324   | SEAL             | 1    |
| 7           | 177250   | OIL FILLER PIPE       | 1    | 18          | 208161   | FITTING PIN      | 4    |
| 8           | 177242   | O-RING                | 2    | 19          | 177249   | RUBBER PLUG      | 1    |
| 9           | 164662   | FILLER CAP            | 1    | 20          | 177326   | FLYWHEEL HOUSING | 1    |
| 11          | 207031   | PIPELINE              | 2    |             |          |                  |      |



| Ref.<br>No. | Part No.  | Description          | Qty. | Ref.<br>No. | Part No.   | Description          | Qty. |
|-------------|-----------|----------------------|------|-------------|------------|----------------------|------|
| 1           | 206393    | OIL PAN ASSY         | 1    | 6           | 207290     | FLEXIBLE TUBE (0.5M) | 1    |
| 2           | 425-34753 | PLUG/OIL DRAIN       | 1    | 7           | 164438     | SCREW                | 2    |
| 3           | 177665    | O-RING               | 1    | 8           | 177239     | DRAIN COUPLER        | 1    |
| 4           | 164316    | SCREW M8 X 16 PLATED | 4    | 9           | 162064     | HOSE CLAMP           | 1    |
| 5           | 177402    | SCREW                | 24   | 10          | 0003634062 | DRAIN COUPLING       | 1    |

**1000124247 - (SN AD01553 - AE02832 (353); SN AD01554 - AE02799 (373))**

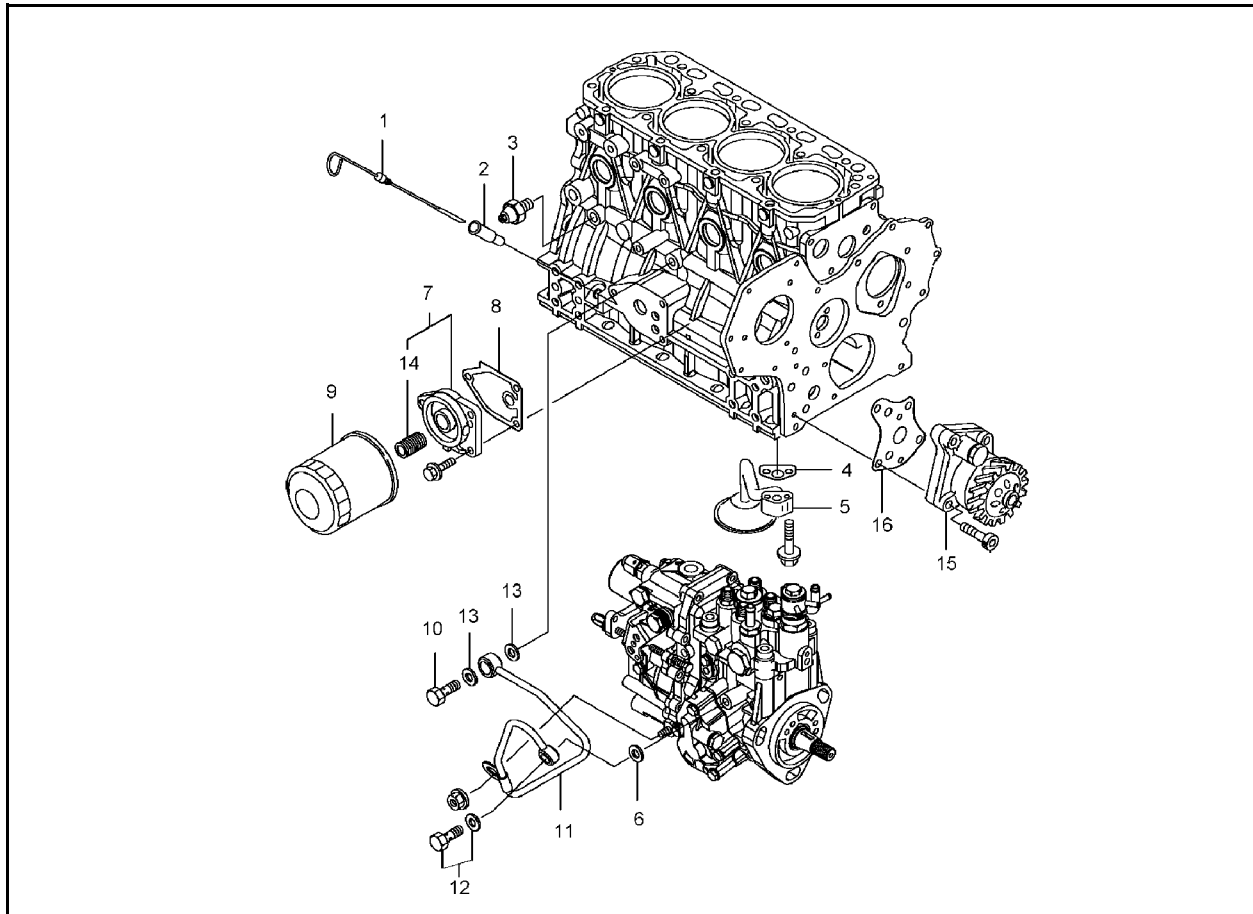
| Ref.<br>No. | Part No.  | Description          | Qty. | Ref.<br>No. | Part No. | Description          | Qty. |
|-------------|-----------|----------------------|------|-------------|----------|----------------------|------|
| 1           | 425-36087 | OIL PAN ASSY         | 1    | 6           | 207290   | FLEXIBLE TUBE (0.5M) | 1    |
| 2           | 425-34753 | PLUG/OIL DRAIN       | 1    | 7           | 164438   | SCREW                | 2    |
| 3           | 177665    | O-RING               | 1    | 8           | 177239   | DRAIN COUPLER        | 1    |
| 4           | 164316    | SCREW M8 X 16 PLATED | 4    | 9           | 177267   | DRAIN COUPLING       | 1    |
| 5           | 177402    | SCREW                | 24   | 10          | 162064   | HOSE CLAMP           | 1    |



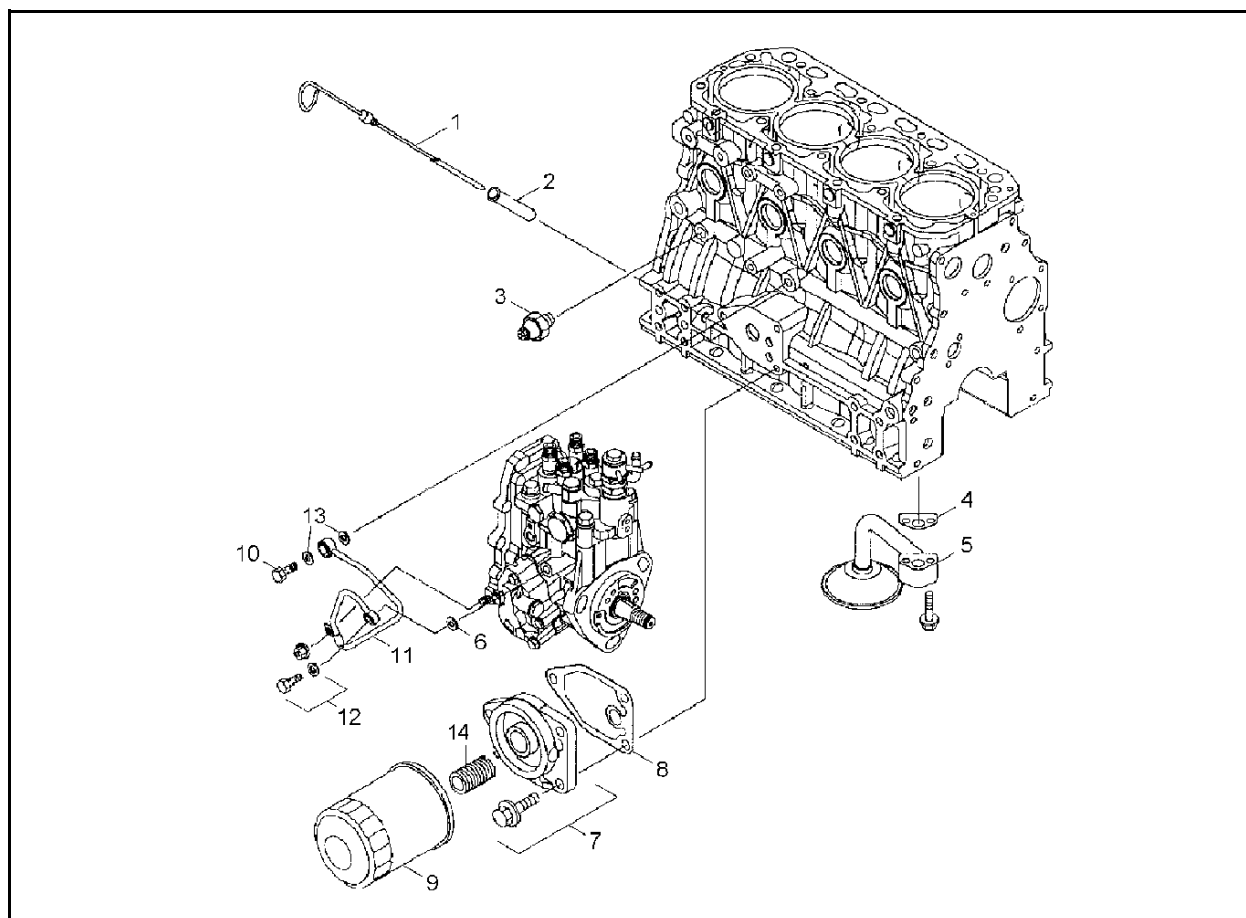
| Ref.<br>No. | Part No.  | Description    | Qty. | Ref.<br>No. | Part No. | Description          | Qty. |
|-------------|-----------|----------------|------|-------------|----------|----------------------|------|
| 1           | 425-36087 | OIL PAN ASSY   | 1    | 4           | 164316   | SCREW M8 X 16 PLATED | 4    |
| 2           | 425-34753 | PLUG/OIL DRAIN | 1    | 5           | 177402   | SCREW                | 24   |
| 3           | 177665    | O-RING         | 1    | 6           | 164438   | SCREW                | 2    |

# 3503/3703 OIL LUBRICATION SYSTEM

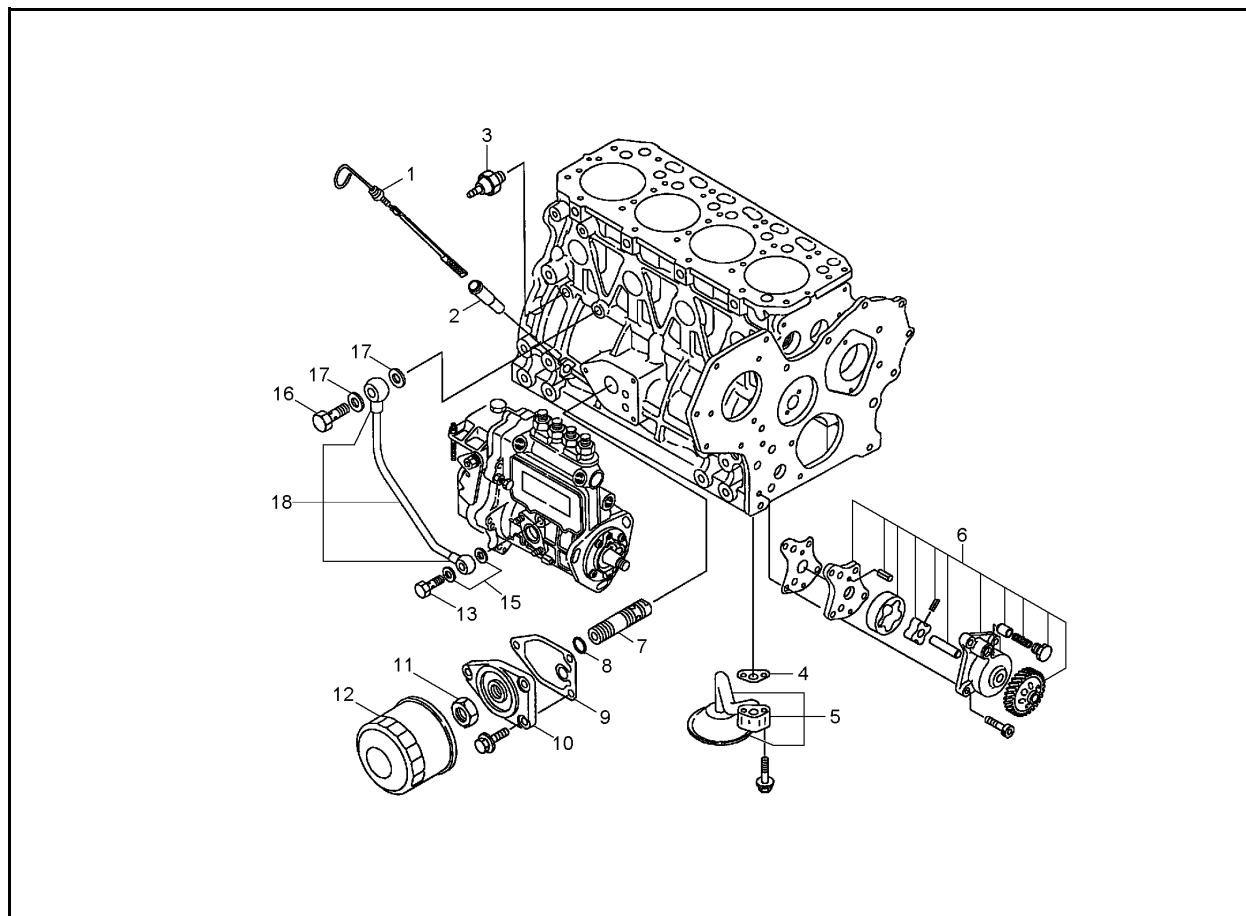
## 1000181487 - (SN AG00593 (353) & SN AG00580 (373) AND UP)



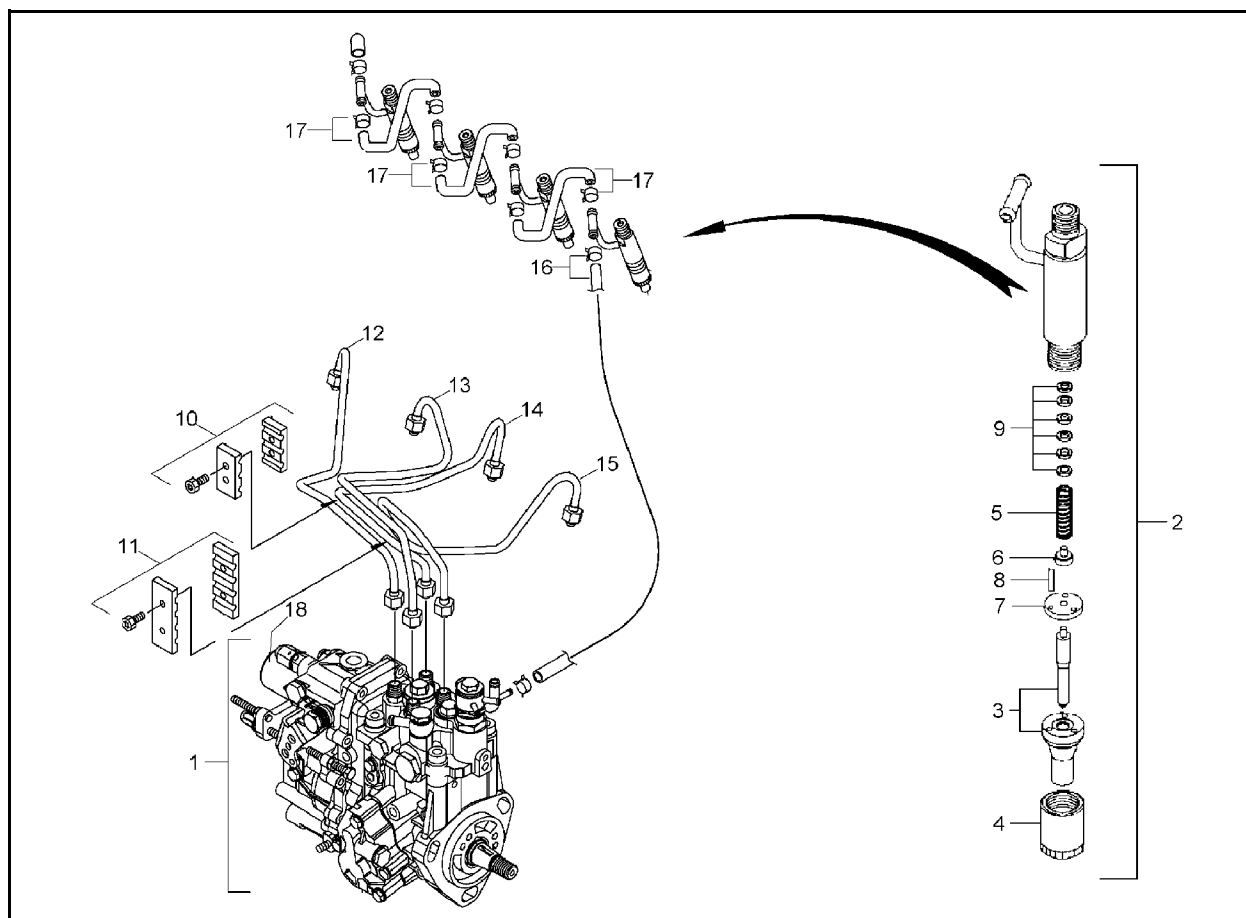
| Ref.<br>No. | Part No.  | Description         | Qty. | Ref.<br>No. | Part No. | Description          | Qty. |
|-------------|-----------|---------------------|------|-------------|----------|----------------------|------|
| 1           | 177359    | DIPSTICK            | 1    | 9           | 137500   | OIL FILTER           | 1    |
| 2           | 177234    | DIPSTICK TUBE       | 1    | 10          | 209922   | BANJO BOLT           | 1    |
| 3           | 425-36085 | SENDER/OIL PRESSURE | 1    | 11          | 177328   | PIPE LINE            | 1    |
| 4           | 177251    | OIL SUMP GASKET     | 1    | 12          | 177100   | BANJO BOLT           | 1    |
| 5           | 177281    | OIL SUMP            | 1    | 13          | 209549   | SEAL RING            | 2    |
| 6           | 177462    | SEAL RING           | 1    | 14          | 206395   | SCREW JOINT          | 1    |
| 7           | 177360    | FILTER HOUSING ASSY | 1    | 15          | 204795   | LUBRICATION OIL PUMP | 1    |
| 8           | 177257    | FILTER BASE GASKET  | 1    | 16          | 202476   | SEAL                 | 1    |



| Ref.<br>No. | Part No.  | Description         | Qty. | Ref.<br>No. | Part No. | Description        | Qty. |
|-------------|-----------|---------------------|------|-------------|----------|--------------------|------|
| 1           | 177359    | DIPSTICK            | 1    | 8           | 177257   | FILTER BASE GASKET | 1    |
| 2           | 177234    | DIPSTICK TUBE       | 1    | 9           | 137500   | OIL FILTER         | 1    |
| 3           | 425-36085 | SENDER/OIL PRESSURE | 1    | 10          | 209922   | BANJO BOLT         | 1    |
| 4           | 177251    | OIL SUMP GASKET     | 1    | 11          | 177328   | PIPE LINE          | 1    |
| 5           | 177281    | OIL SUMP            | 1    | 12          | 177100   | BANJO BOLT         | 1    |
| 6           | 177462    | SEAL RING           | 1    | 13          | 209549   | SEAL RING          | 2    |
| 7           | 177360    | FILTER HOUSING ASSY | 1    | 14          | 206395   | SCREW JOINT        | 1    |



| Ref.<br>No. | Part No.  | Description          | Qty. | Ref.<br>No. | Part No. | Description              | Qty. |
|-------------|-----------|----------------------|------|-------------|----------|--------------------------|------|
| 1           | 204794    | OIL DIPSTICK         | 1    | 10          | 204797   | FILTER BRACKET           | 1    |
| 2           | 177234    | DIPSTICK TUBE        | 1    | 11          | 178487   | NUT                      | 1    |
| 3           | 425-36085 | SENDER/OIL PRESSURE  | 1    | 12          | 178928   | ENGINE OIL FILTER 500 HR | 1    |
| 4           | 177251    | OIL SUMP GASKET      | 1    | 13          | 178411   | SCREW                    | 1    |
| 5           | 177281    | OIL SUMP             | 1    | 15          | 204798   | SEAL RING                | 1    |
| 6           | 204795    | LUBRICATION OIL PUMP | 1    | 16          | 209922   | BANJO BOLT               | 1    |
| 7           | 204767    | VALVE                | 1    | 17          | 164394   | SEAL                     | 2    |
| 8           | 177659    | O-RING               | 1    | 18          | 204799   | ENGINE OIL PIPE          | 1    |
| 9           | 177257    | FILTER BASE GASKET   | 1    |             |          |                          |      |

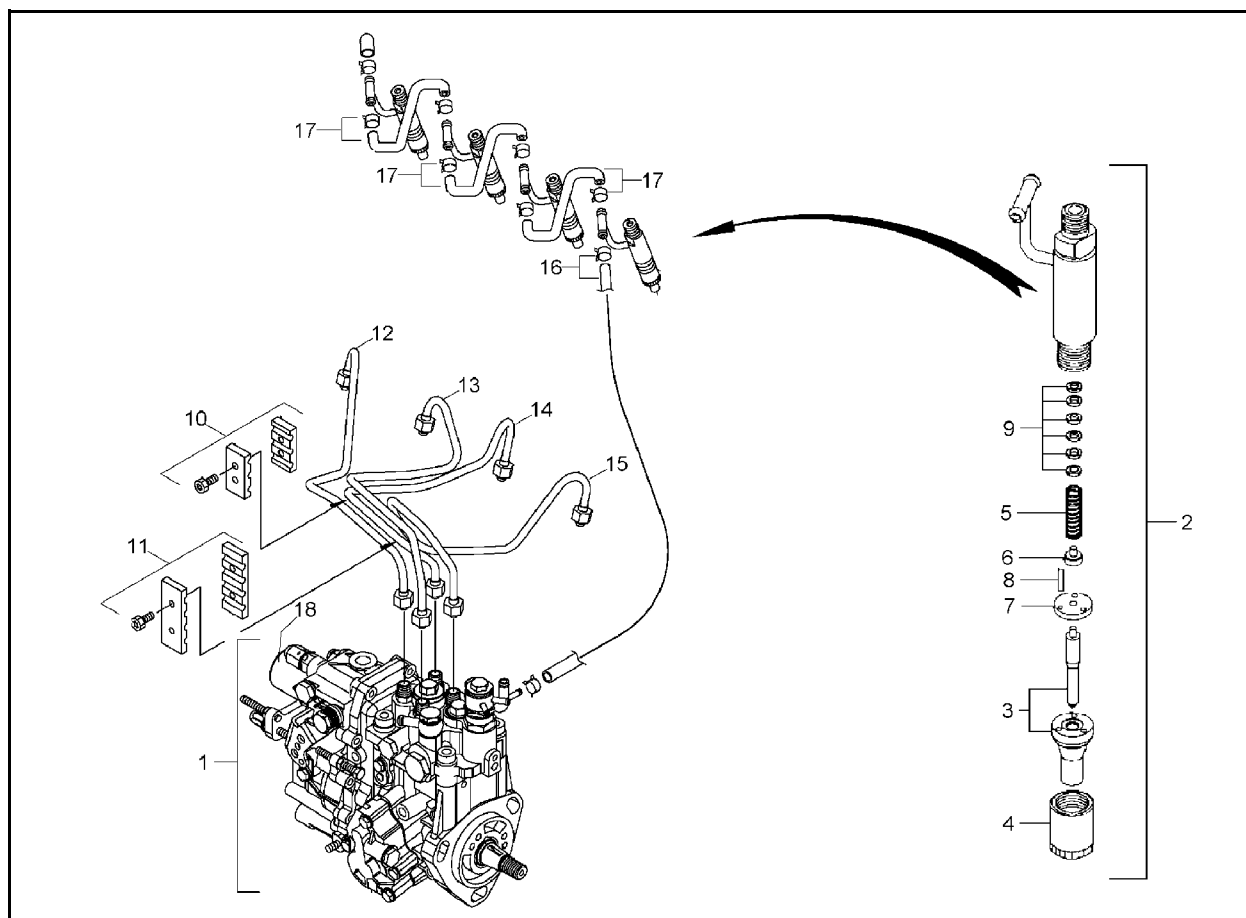


| Ref.<br>No. | Part No. | Description        | Qty. |
|-------------|----------|--------------------|------|
| 1           | 203576   | INJECTION PUMP     | 1    |
| 2           | 203574   | INJECTION NOZZLE   | 4    |
| 3           | 203575   | NOZZLE             | 4    |
| 4           | 164368   | NUT                | 4    |
| 5           | 164370   | SPRING-NOZZLE      | 4    |
| 6           | 164371   | SEAT-NOZZLE SPRING | 4    |
| 7           | 164372   | PLATE-STOP         | 4    |
| 8           | 164373   | PIN                | 8    |
| 9           | 202483   | ADJUSTING WASHER   | 4    |

| Ref.<br>No. | Part No. | Description    | Qty. |
|-------------|----------|----------------|------|
| 10          | 177344   | CLAMP          | 1    |
| 11          | 177348   | CLAMP          | 1    |
| 12          | 177285   | INJECTION LINE | 1    |
| 13          | 177284   | INJECTION LINE | 1    |
| 14          | 177283   | INJECTION LINE | 1    |
| 15          | 177282   | INJECTION LINE | 1    |
| 16          | 177358   | TUBE           | 1    |
| 17          | 209933   | BLEED LINE     | 3    |
| 18          | 189575   | SOLENOID/STOP  | 1    |

# 3503/3703 FUEL INJECTION EQUIPMENT

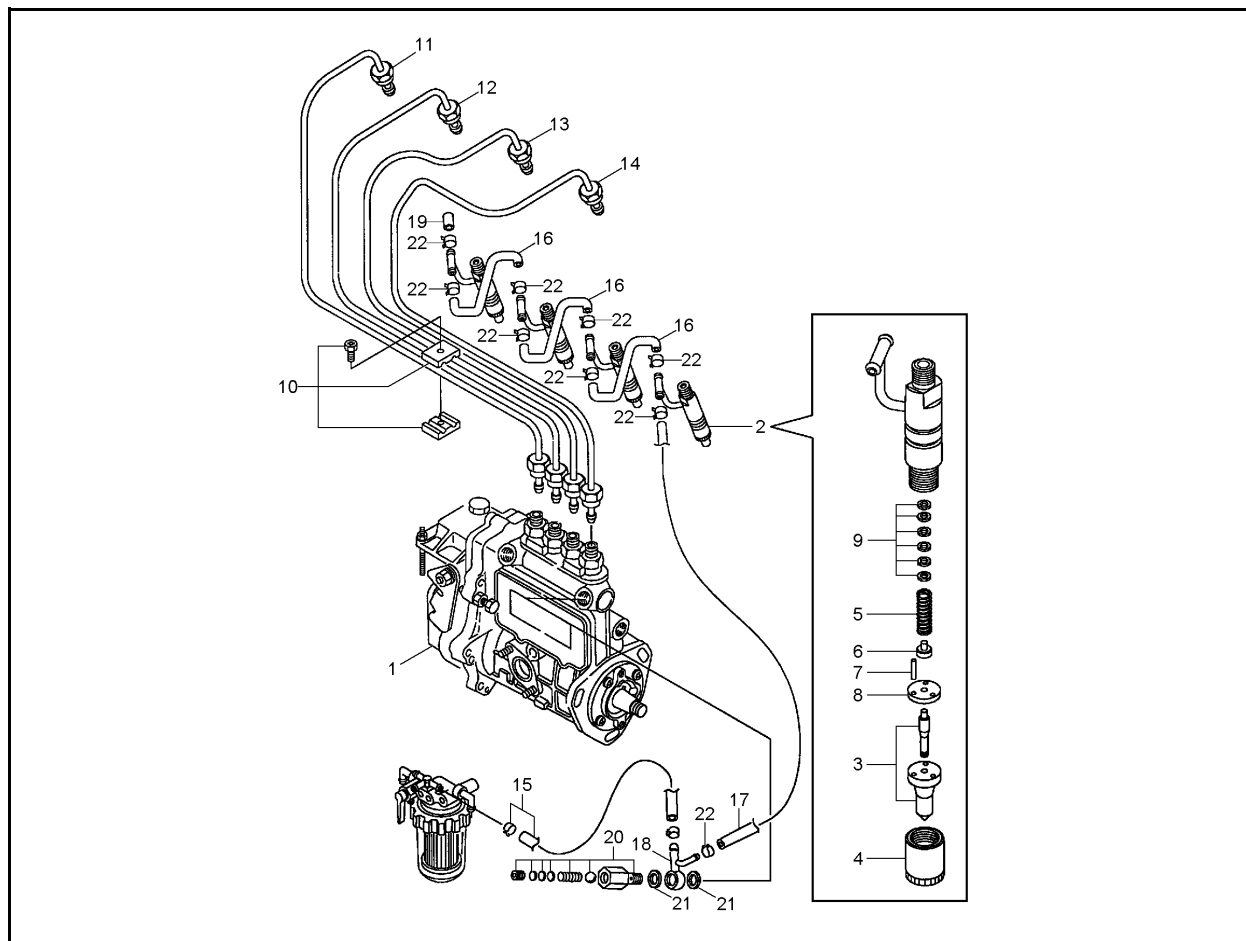
1000127741 - (SN AD01553 - AE02832 (353); SN AD01554 - AE02799 (373))



| Ref.<br>No. | Part No. | Description        | Qty. | Ref.<br>No. | Part No. | Description    | Qty. |
|-------------|----------|--------------------|------|-------------|----------|----------------|------|
| 1           | 177383   | INJECTION PUMP     | 1    | 10          | 177344   | CLAMP          | 1    |
| 2           | 177384   | INJECTION NOZZLE   | 4    | 11          | 177348   | CLAMP          | 1    |
| 3           | 177385   | NOZZLE             | 4    | 12          | 177285   | INJECTION LINE | 1    |
| 4           | 164368   | NUT                | 4    | 13          | 177284   | INJECTION LINE | 1    |
| 5           | 164370   | SPRING-NOZZLE      | 4    | 14          | 177283   | INJECTION LINE | 1    |
| 6           | 164371   | SEAT-NOZZLE SPRING | 4    | 15          | 177282   | INJECTION LINE | 1    |
| 7           | 164372   | PLATE-STOP         | 4    | 16          | 177358   | TUBE           | 1    |
| 8           | 164373   | PIN                | 8    | 17          | 209933   | BLEED LINE     | 3    |
| 9           | 164663   | ADJUSTING WASHER   | 4    | 18          | 189575   | SOLENOID/STOP  | 1    |

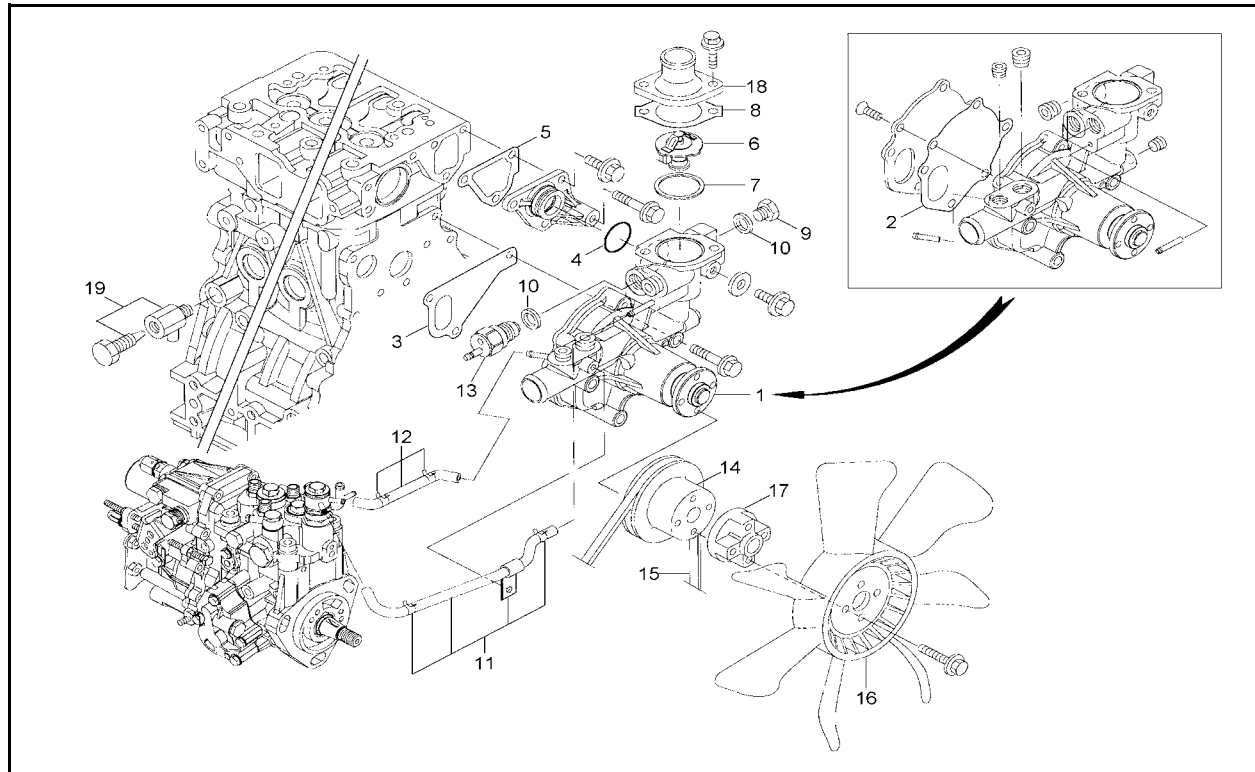
# 3503/3703 - FUEL INJECTION EQUIPMENT

## 1000152142 - (SN AD00001 - AD01552 (353) & AD01553 (373))



| Ref.<br>No. | Part No. | Description         | Qty. | Ref.<br>No. | Part No. | Description        | Qty. |
|-------------|----------|---------------------|------|-------------|----------|--------------------|------|
| 1           | 203922   | INJECTION PUMP      | 1    | 12          | 204812   | INJECTION LINE     | 1    |
| 2           | 203923   | INJECTION NOZZLE    | 4    | 13          | 204814   | INJECTION LINE     | 1    |
| 3           | 203924   | NOZZLE              | 4    | 14          | 204816   | INJECTION LINE     | 1    |
| 4           | 164368   | NUT                 | 4    | 15          | 177903   | PIPE ASSY/FUEL OIL | 1    |
| 5           | 164370   | SPRING - NOZZLE     | 4    | 16          | 204907   | RETURN LINE        | 3    |
| 6           | 164371   | SEAT- NOZZLE SPRING | 4    | 17          | 204817   | HOSE               | 1    |
| 7           | 164373   | PIN                 | 8    | 18          | 206283   | RING PIECE         | 1    |
| 8           | 164372   | PLATE - STOP        | 4    | 19          | 164419   | CAP                | 1    |
| 9           | 164663   | ADJUSTING WASHER    | 4    | 20          | 204818   | NON-RETURN VALVE   | 1    |
| 10          | 206363   | CLAMP               | 2    | 21          | 164393   | SEAL               | 2    |
| 11          | 204810   | INJECTION LINE      | 1    | 22          | 164414   | CLAMP 8            | 9    |

# **3503/3703 - COOLING SYSTEM** **1000127743 - (SN AD01553 AND UP (353); SN AD01554 AND UP (373))**

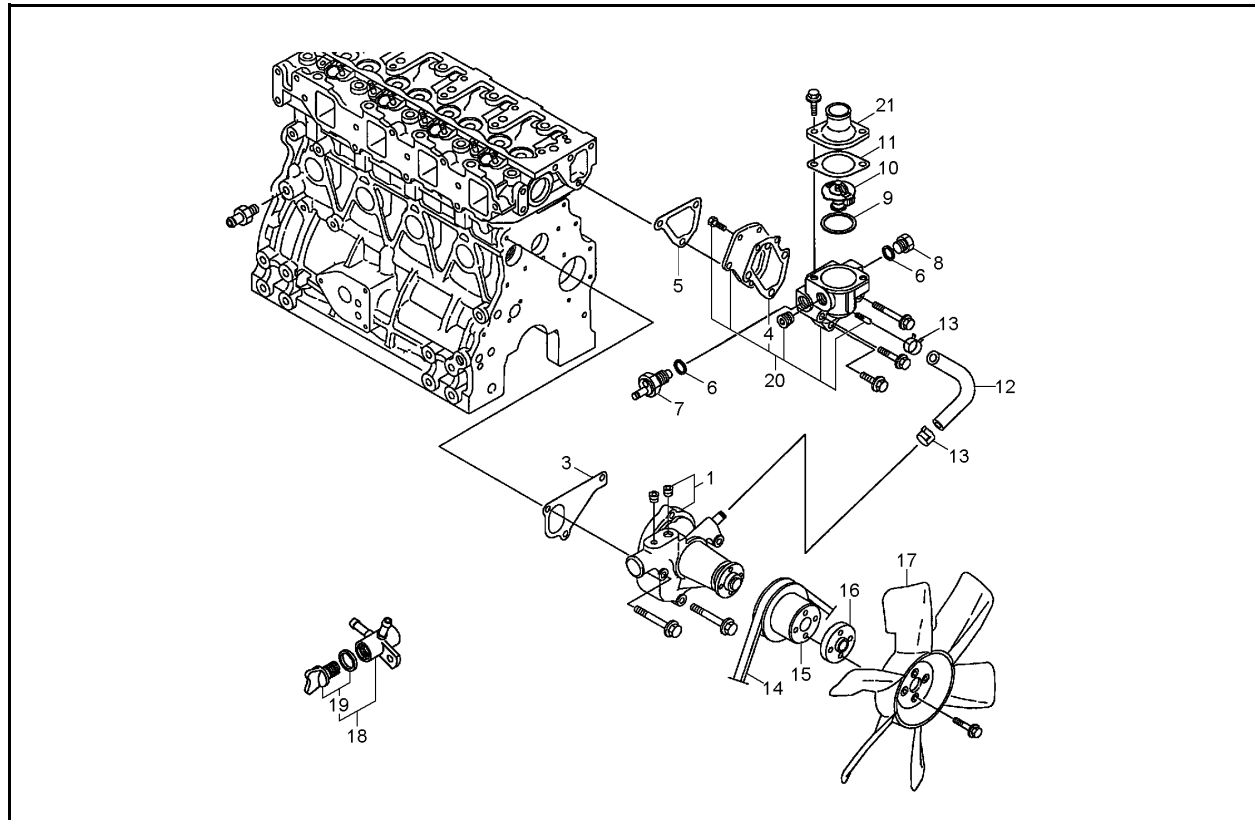


| Ref.<br>No. | Part No.  | Description       | Qty. | Ref.<br>No. | Part No.  | Description              | Qty. |
|-------------|-----------|-------------------|------|-------------|-----------|--------------------------|------|
| 1           | 177274    | WATER PUMP        | 1    | 11          | 177335    | PIPE LINE                | 1    |
| 2           | 177275    | WATER PUMP GASKET | 1    | 12          | 177339    | PIPE LINE                | 1    |
| 3           | 177273    | WATER PUMP SEAL   | 1    | 13          | 425-34683 | SENSOR/THERMOSTAT 110° C | 1    |
| 4           | 177271    | O-RING            | 1    | 14          | 177248    | BELT PULLEY              | 1    |
| 5           | 177253    | THERMOSTAT GASKET | 1    | 15          | 177630    | V-BELT                   | 1    |
| 6           | 425-34661 | THERMOSTAT        | 1    | 16          | 177632    | RADIATOR FAN             | 1    |
| 7           | 177237    | THERMOSTAT GASKET | 1    | 17          | 177265    | FAN SPACER               | 1    |
| 8           | 425-34704 | GASKET/UPPER      | 1    | 18          | 177254    | THERMOSTAT HOUSING       | 1    |
| 9           | 164441    | PLUG              | 1    | 19          | 202479    | DRAIN VALVE              | 1    |
| 10          | 160427    | SEAL              | 2    |             |           |                          |      |

# 3503/3703 - COOLING SYSTEM

truckmanualshub.com/

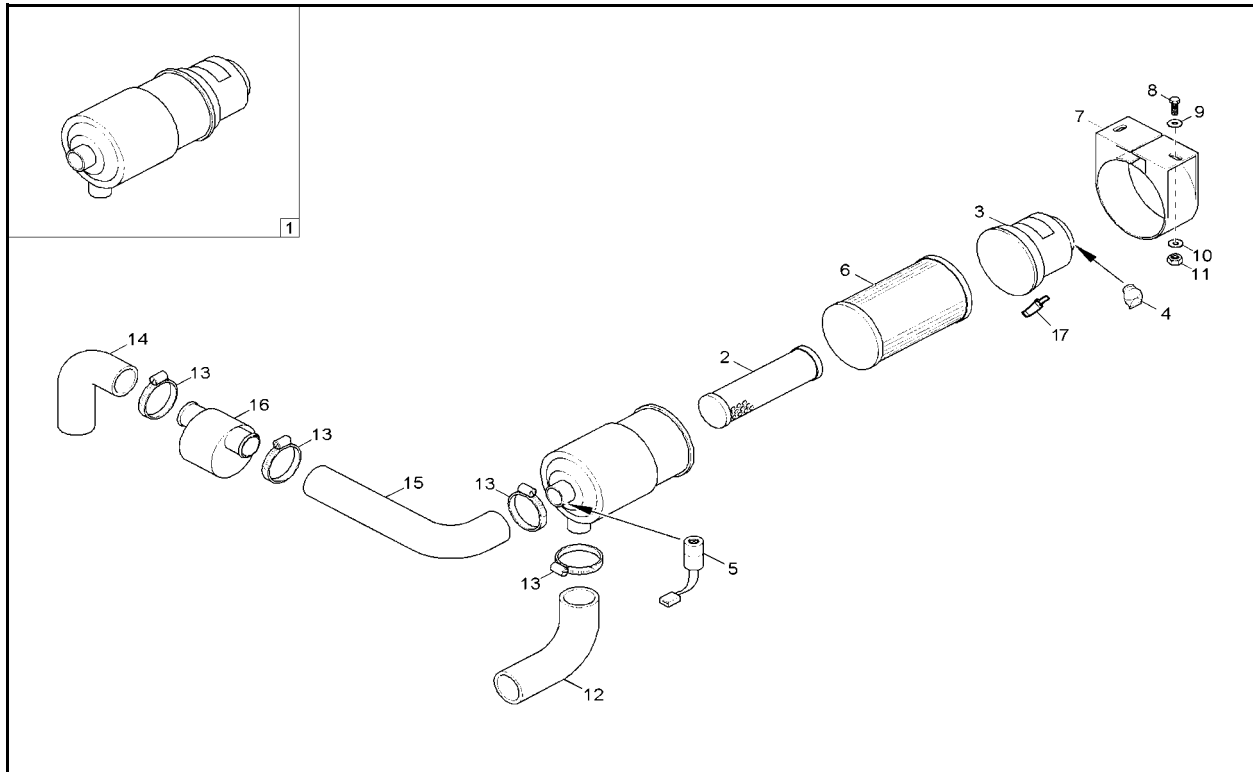
## 1000152155 - (SN AD00001 - AD01552 (353) & AD01553 (373))



| Ref.<br>No. | Part No.   | Description              | Qty. | Ref.<br>No. | Part No.  | Description         | Qty. |
|-------------|------------|--------------------------|------|-------------|-----------|---------------------|------|
| 1           | 179053     | WATER PUMP               | 1    | 12          | 204801    | COOLANT HOSE        | 1    |
| 3           | 177273     | WATER PUMP SEAL          | 1    | 13          | 204802    | HOSE CLAMP          | 2    |
| 4           | 204800     | THERMOSTAT GASKET        | 1    | 14          | 177630    | V-BELT              | 1    |
| 5           | 0210111308 | SEAL                     | 1    | 15          | 177248    | BELT PULLEY         | 1    |
| 6           | 160427     | SEAL                     | 2    | 16          | 177265    | FAN SPACER          | 1    |
| 7           | 425-34683  | SENSOR/THERMOSTAT 110° C | 1    | 17          | 425-36086 | FAN/COOLING (D=360) | 1    |
| 8           | 164441     | PLUG                     | 1    | 18          | 178361    | DRAIN COCK COMPLETE | 1    |
| 9           | 177237     | GASKET THERMOSTAT        | 1    | 19          | 178360    | DRAIN COCK          | 1    |
| 10          | 425-34661  | THERMOSTAT               | 1    | 20          | 204803    | THERMOSTAT HOUSING  | 1    |
| 11          | 425-34704  | GASKET/UPPER             | 1    | 21          | 177254    | THERMOSTAT HOUSING  | 1    |

# 3503/3703 - AIR INTAKE SYSTEM

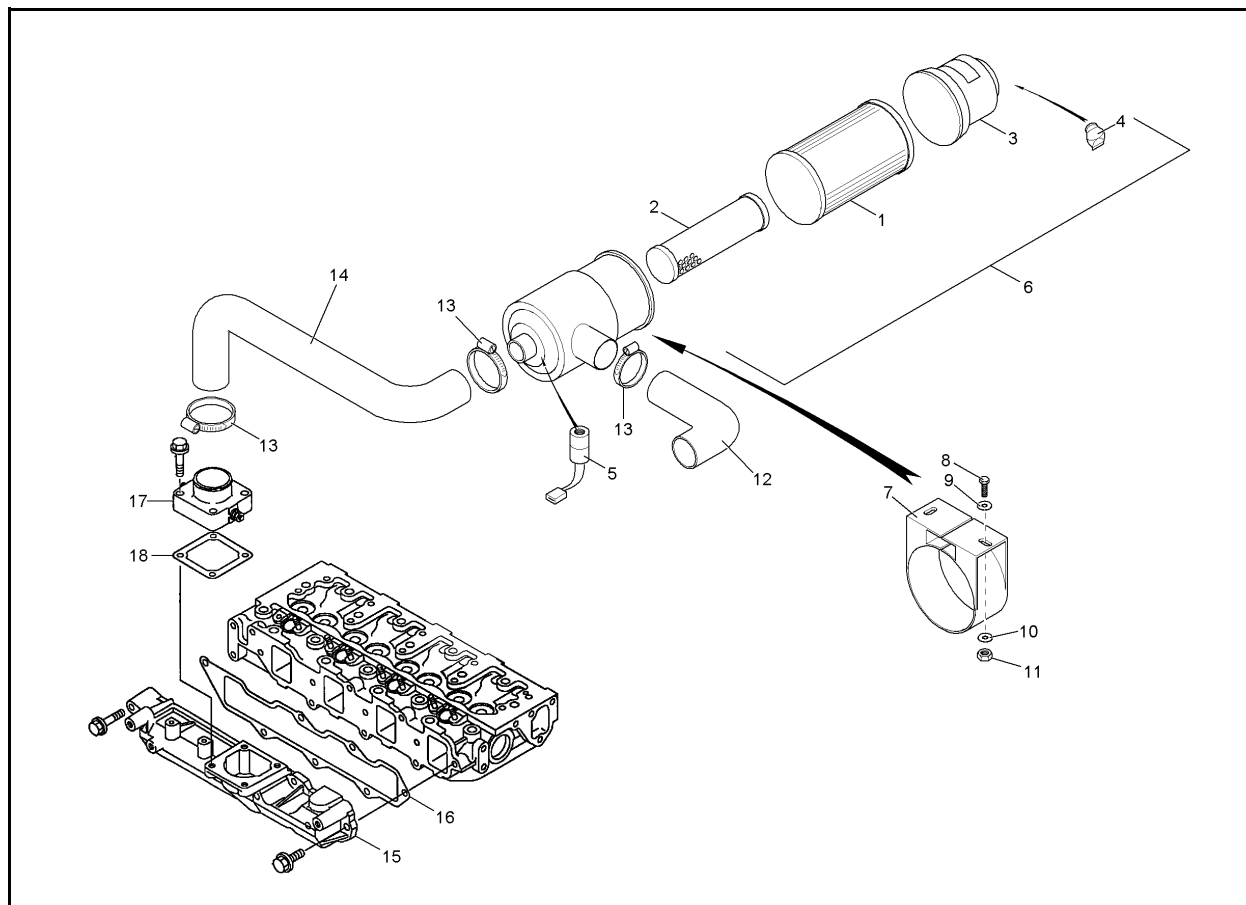
## 1000127742 - (SN AD01553 AND UP (353); SN AD01554 AND UP (373))



| Ref. No. | Part No. | Description             | Qty. | Ref. No. | Part No.   | Description                  | Qty. |
|----------|----------|-------------------------|------|----------|------------|------------------------------|------|
| 1        | 165272   | AIR FILTER COMPLETE     | 1    | 10       | 7462680011 | WASHER 8.4 ST A2C            | 2    |
| 2        | 165294   | AIR FILTER/INNER        | 1    | 11       | 651458     | LN INS M8-1.25 C8 ZY DIN6924 | 2    |
| 3        | 165295   | COVER                   | 1    | 12       | 425-36100  | HOSE/AIR INLET               | 1    |
| 4        | 165296   | DUST VALVE              | 1    | 13       | 162611     | HOSE CLAMP                   | 5    |
| 5        | 164337   | DIRT INDICATOR          | 1    | 14       | 177407     | HOSE/AIR SUCTION             | 1    |
| 6        | 165293   | AIR FILTER/OUTER        | 1    | 15       | 177408     | HOSE/AIR SUCTION             | 1    |
| 7        | 165273   | COLLAR                  | 1    | 16       | 425-36101  | MUFFLER/INLET                | 1    |
| 8        | 651433   | HB M8-1.25 X 40 C8.8 ZY | 2    | 17       | L99933     | LATCH                        | 3    |
| 9        | 163634   | WASHER                  | 2    |          |            |                              |      |

# 3503/3703 - AIR INTAKE SYSTEM

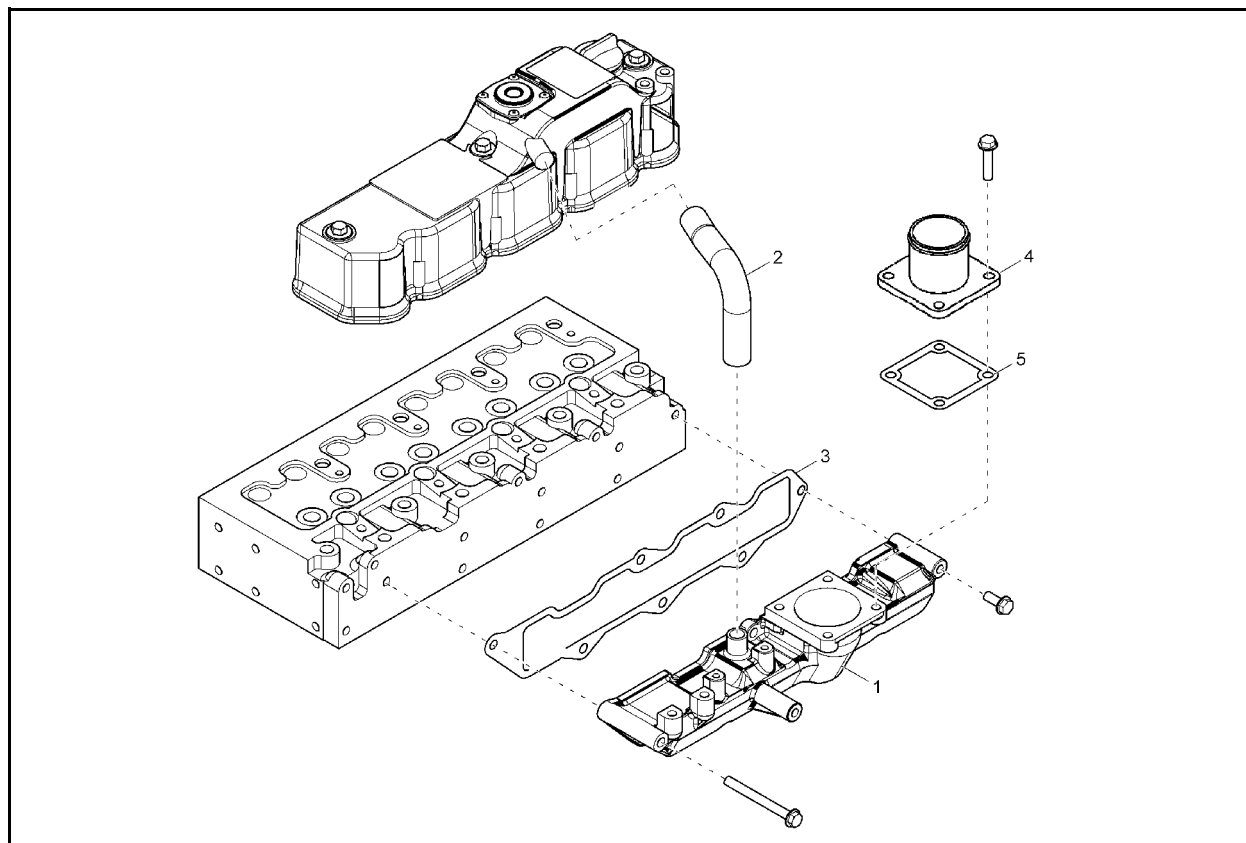
1000127242 - (SN AD00001 - AD01552 (353) & AD01553 (373))



| Ref.<br>No. | Part No. | Description              | Qty. | Ref.<br>No. | Part No.   | Description                  | Qty. |
|-------------|----------|--------------------------|------|-------------|------------|------------------------------|------|
| 1           | 165293   | AIR FILTER ELEMENT/OUTER | 1    | 10          | 7462680011 | WASHER 8.4 ST A2C            | 2    |
| 2           | 165294   | AIR FILTER ELEMENT/INNER | 1    | 11          | 651458     | LN INS M8-1.25 C8 ZY DIN6924 | 2    |
| 3           | 165295   | COVER                    | 1    | 12          | 425-36100  | HOSE/AIR INLET               | 1    |
| 4           | 165296   | DUST VALVE               | 1    | 13          | 162611     | HOSE CLAMP                   | 3    |
| 5           | 164337   | DIRT INDICATOR           | 1    | 14          | 179041     | AIR INTAKE HOSE              | 1    |
| 6           | 165272   | AIR FILTER COMPLETE      | 1    | 15          | 204821     | INTAKE MANIFOLD              | 1    |
| 7           | 165273   | COLLAR                   | 1    | 16          | 177286     | INTAKE MANIFOLD GASKET       | 1    |
| 8           | 651433   | HB M8-1.25X 40 C8.8 ZY   | 2    | 17          | 425-35492  | INTAKE FLANGE                | 1    |
| 9           | 163634   | WASHER                   | 2    | 18          | 177268     | INTAKE FLANGE GASKET         | 1    |

# 3503/3703 - INTAKE MANIFOLD

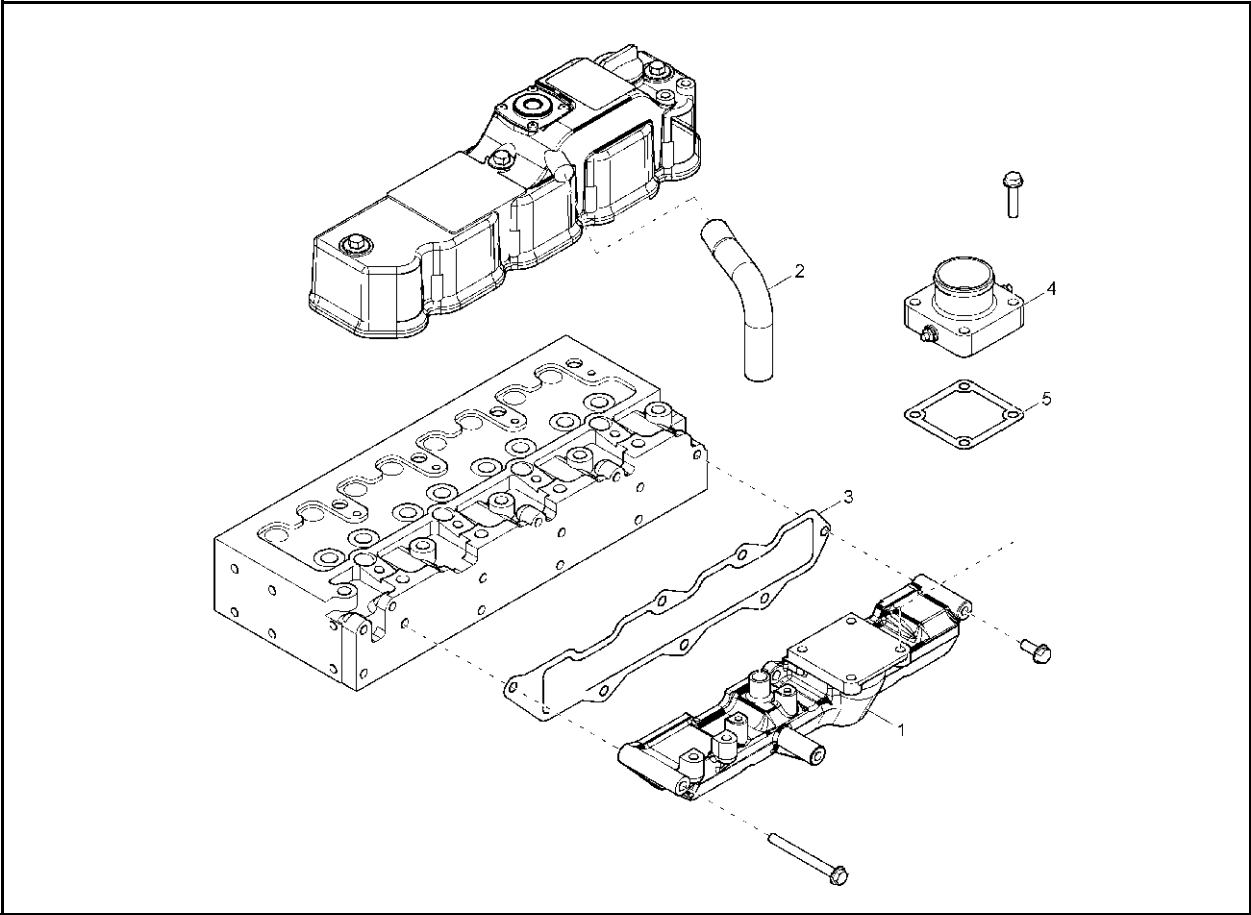
## 1000181489 - (SN AG00593 (353) & SN AG00580 (373) AND UP)



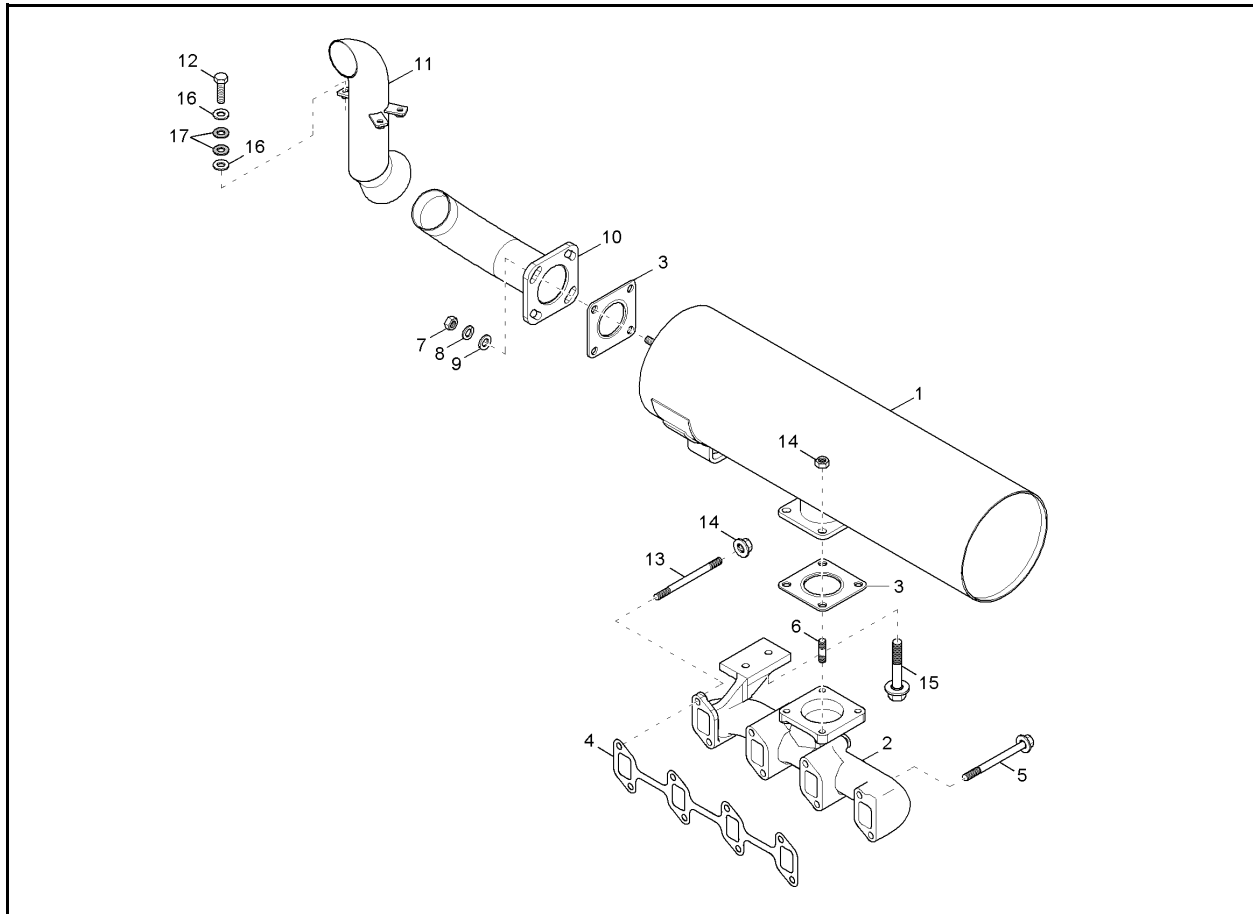
| Ref.<br>No. | Part No. | Description            | Qty. | Ref.<br>No. | Part No. | Description          | Qty. |
|-------------|----------|------------------------|------|-------------|----------|----------------------|------|
| 1           | 209967   | INTAKE MANIFOLD        | 1    | 4           | 202484   | INTAKE FLANGE        | 1    |
| 2           | 177304   | BREATHER               | 1    | 5           | 177268   | INTAKE FLANGE GASKET | 1    |
| 3           | 177286   | INTAKE MANIFOLD GASKET | 1    |             |          |                      |      |

3503/3703 - INTAKE MANIFOLD

1000124249 - (SN AD01553 - AE02832 (353); SN AD01554 - AE02799 (373))



| Ref. No. | Part No. | Description            | Qty. | Ref. No. | Part No.  | Description          | Qty. |
|----------|----------|------------------------|------|----------|-----------|----------------------|------|
| 1        | 209967   | INTAKE MANIFOLD        | 1    | 4        | 425-35492 | INTAKE FLANGE        | 1    |
| 2        | 177304   | BREATHER               | 1    | 5        | 177268    | INTAKE FLANGE GASKET | 1    |
| 3        | 177286   | INTAKE MANIFOLD GASKET | 1    |          |           |                      |      |

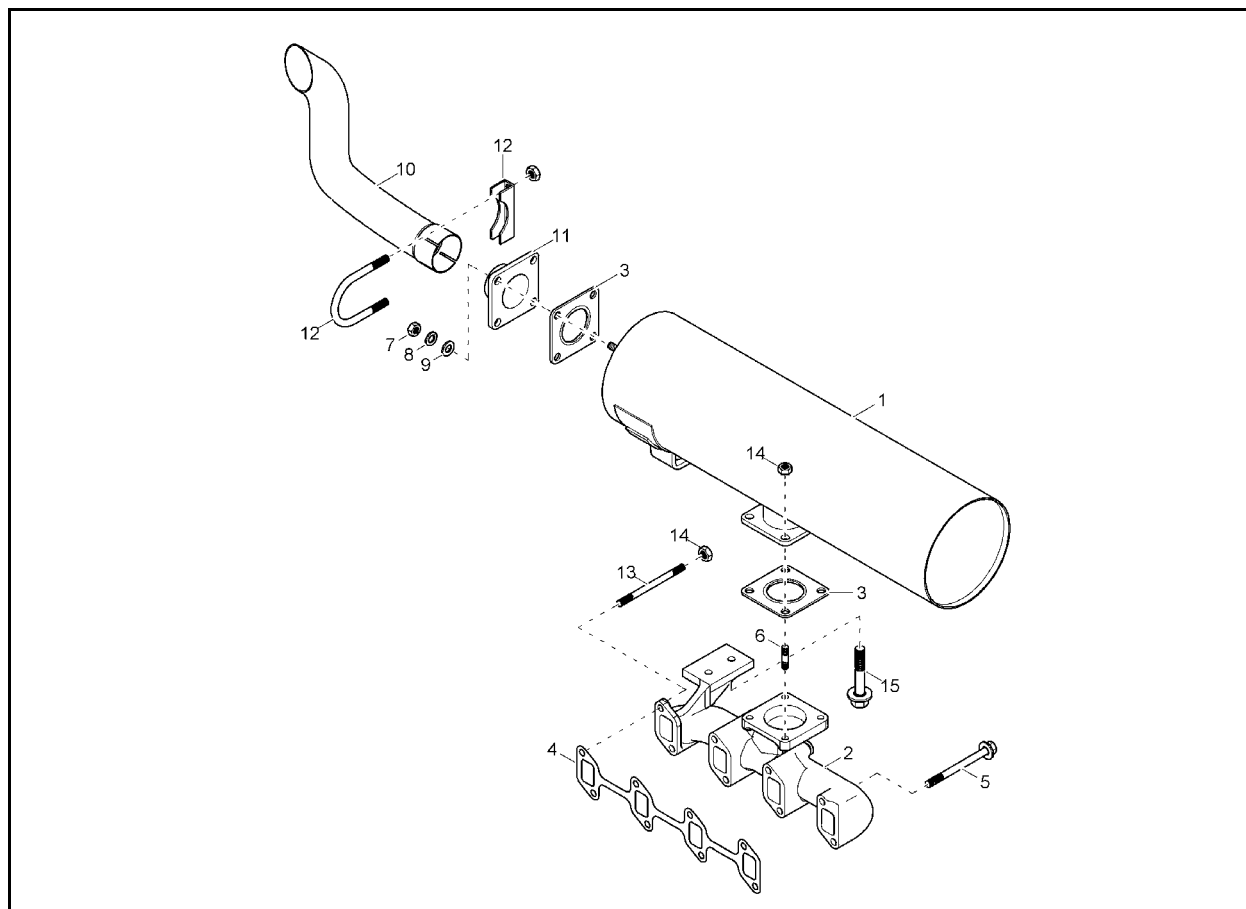


| Ref.<br>No. | Part No. | Description             | Qty. | Ref.<br>No. | Part No. | Description             | Qty. |
|-------------|----------|-------------------------|------|-------------|----------|-------------------------|------|
| 1           | 177410   | MUFFLER                 | 1    | 10          | 207450   | EXHAUST FLANGE          | 1    |
| 2           | 209968   | EXHAUST MANIFOLD        | 1    | 11          | 207451   | EXHAUST PIPE            | 1    |
| 3           | 177112   | GASKET/MUFFLER          | 2    | 12          | 651397   | CS M10-1.5 X 35 C8.8 ZY | 1    |
| 4           | 209475   | GASKET/EXHAUST MANIFOLD | 1    | 13          | 164350   | STUD BOLT               | 2    |
| 5           | 177205   | SCREW                   | 6    | 14          | 177400   | HEXAGON NUT             | 6    |
| 6           | 177401   | STUD BOLT               | 4    | 15          | 164438   | SCREW                   | 2    |
| 7           | 656048   | HN M8-1.25 C8 ZY DIN934 | 4    | 16          | 161663   | WASHER/GR A 10.5 ZO     | 6    |
| 8           | 163670   | LOCKWASHER              | 4    | 17          | 207452   | INSULATING WASHER       | 6    |
| 9           | 163634   | WASHER                  | 4    |             |          |                         |      |

# 3503/3703 - EXHAUST SYSTEM

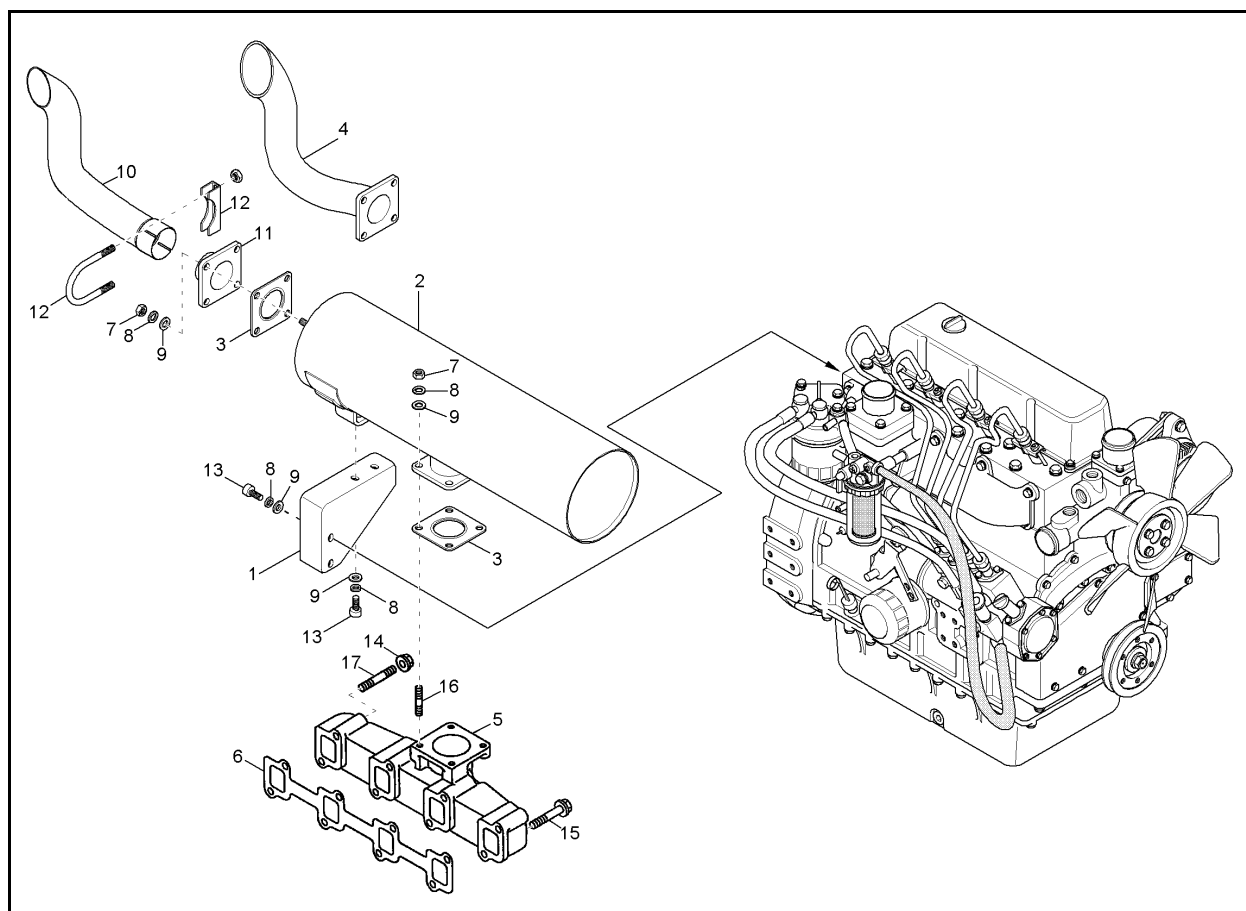
http://truckmanualshub.com/

1000127744 - (SN AD01553 (353) & SN AD01554 (373) - AD03949)



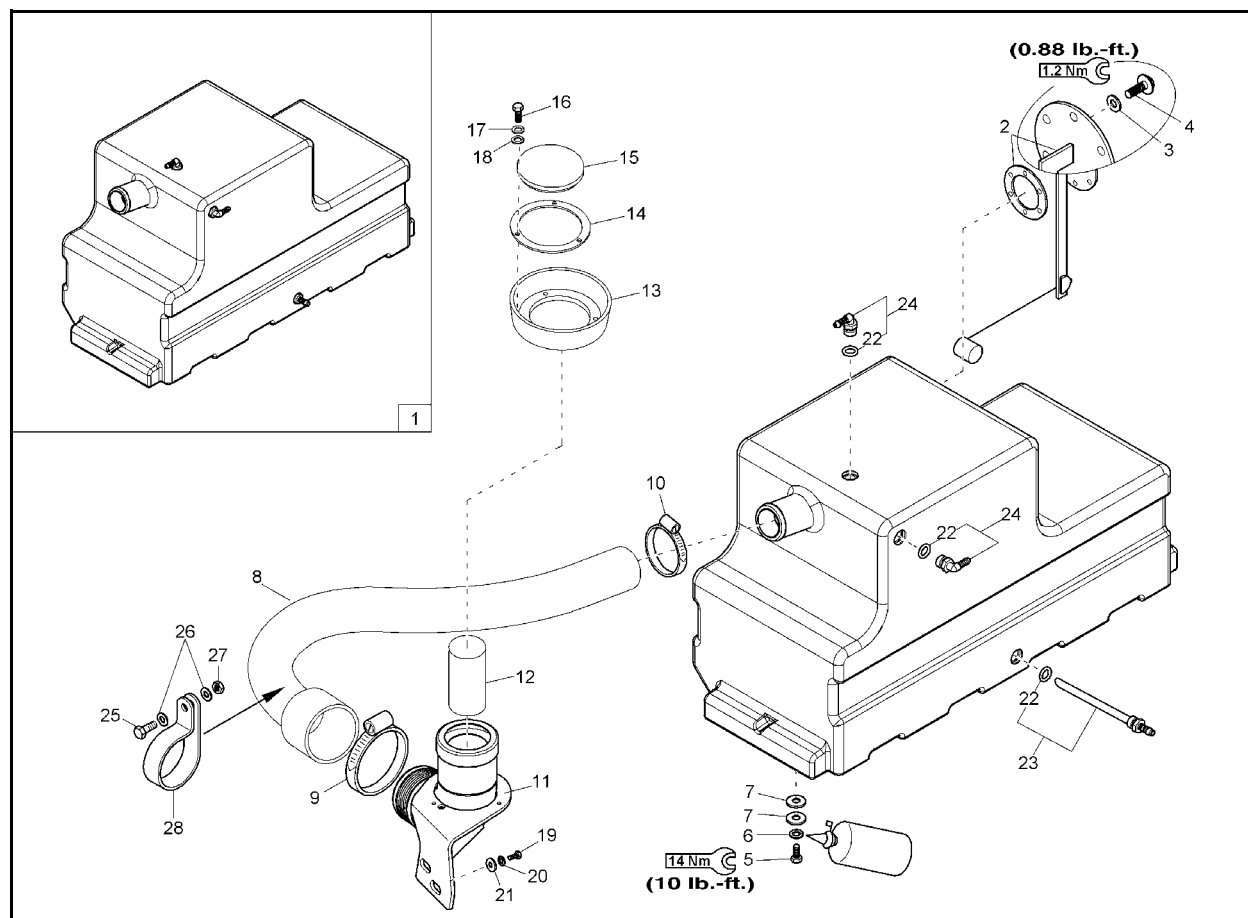
| Ref.<br>No. | Part No.  | Description             | Qty. | Ref.<br>No. | Part No. | Description    | Qty. |
|-------------|-----------|-------------------------|------|-------------|----------|----------------|------|
| 1           | 177410    | MUFFLER                 | 1    | 9           | 163634   | WASHER         | 4    |
| 2           | 209968    | EXHAUST MANIFOLD        | 1    | 10          | 177403   | EXHAUST PIPE   | 1    |
| 3           | 425-34652 | GASKET/MUFFLER          | 2    | 11          | 177404   | EXHAUST FLANGE | 1    |
| 4           | 209475    | GASKET/EXHAUST MANIFOLD | 1    | 12          | 177405   | CLAMP          | 1    |
| 5           | 177205    | SCREW                   | 6    | 13          | 164350   | STUD BOLT      | 2    |
| 6           | 177401    | STUD BOLT               | 4    | 14          | 177400   | HEXAGON NUT    | 6    |
| 7           | 656048    | HN M8-1.25 C8 ZY DIN934 | 4    | 15          | 164438   | SCREW          | 2    |
| 8           | 163670    | LOCKWASHER              | 4    |             |          |                |      |

**3503 - EXHAUST SYSTEM** <https://truckmanualshub.com/>  
**1000127243 - (SN AD00001 - AD01552 (353) & AD01553 (373))**



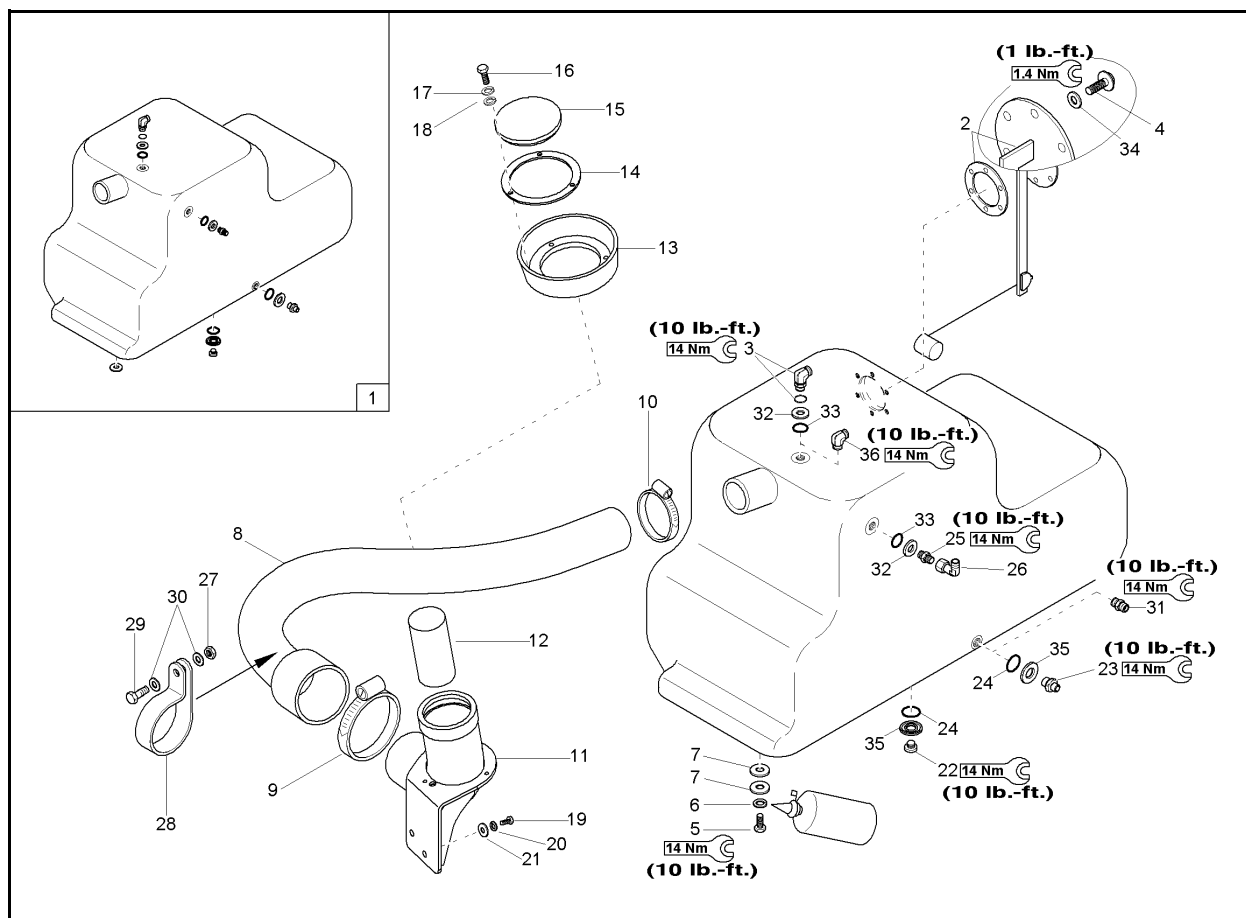
| Ref.<br>No. | Part No.  | Description                            | Qty. |
|-------------|-----------|----------------------------------------|------|
| 1           | 179051    | BRACKET                                | 1    |
| 2           | 179054    | SILENCER                               | 1    |
| 3           | 425-34652 | GASKET                                 | 2    |
| 4           | 207455    | KIT/EXHAUST<br>(SN AD01073 and before) | 1    |
| 5           | 179056    | EXHAUST MANIFOLD                       | 1    |
| 6           | 425-34652 | GASKET                                 | 1    |
| 7           | 656048    | HN M8-1.25 C8 ZY DIN934                | 8    |
| 8           | 163670    | LOCKWASHER                             | 12   |
| 9           | 163634    | WASHER                                 | 12   |

| Ref.<br>No. | Part No. | Description                           | Qty. |
|-------------|----------|---------------------------------------|------|
| 10          | 177403   | EXHAUST PIPE<br>(SN AD01074 and up)   | 1    |
| 11          | 177404   | EXHAUST FLANGE<br>(SN AD01074 and up) | 1    |
| 12          | 177405   | CLAMP<br>(SN AD01074 and up)          | 1    |
| 13          | 177648   | HEX SCREW                             | 4    |
| 14          | 164345   | NUT                                   | 2    |
| 15          | 177272   | SCREW                                 | 6    |
| 16          | 177401   | STUD BOLT                             | 4    |
| 17          | 204824   | STUD BOLT                             | 2    |



| Ref.<br>No. | Part No. | Description                                | Qty. |
|-------------|----------|--------------------------------------------|------|
| 1           | 204882   | FUEL TANK                                  | 1    |
| 2           | 207037   | SENDER                                     | 1    |
| 3           | 206809   | RUBBER WASHER                              | 6    |
| 4           | 206808   | SCREW M4 X 16                              | 6    |
| 5           | 651393   | CS M10-1.5 X 25 C8.8 ZY                    | 4    |
| 6           | 161669   | LOCKWASHER S10                             | 4    |
| 7           | 161663   | WASHER/GR A 10.5 ZO                        | 8    |
| 8           | 177409   | PRE-SHAPED TUBE                            | 1    |
| 9           | 165270   | HOSE COLLAR                                | 1    |
| 10          | 162611   | HOSE CLAMP                                 | 1    |
| 11          | 203571   | TANK FILLER NECK<br>(SN AG00580 and up)    | 1    |
|             | 177426   | TANK FILLER NECK<br>(SN AE02125 - AE02832) | 1    |
| 12          | 160436   | STRAINER/FUEL TANK                         | 1    |
| 13          | 165072   | RING                                       | 1    |

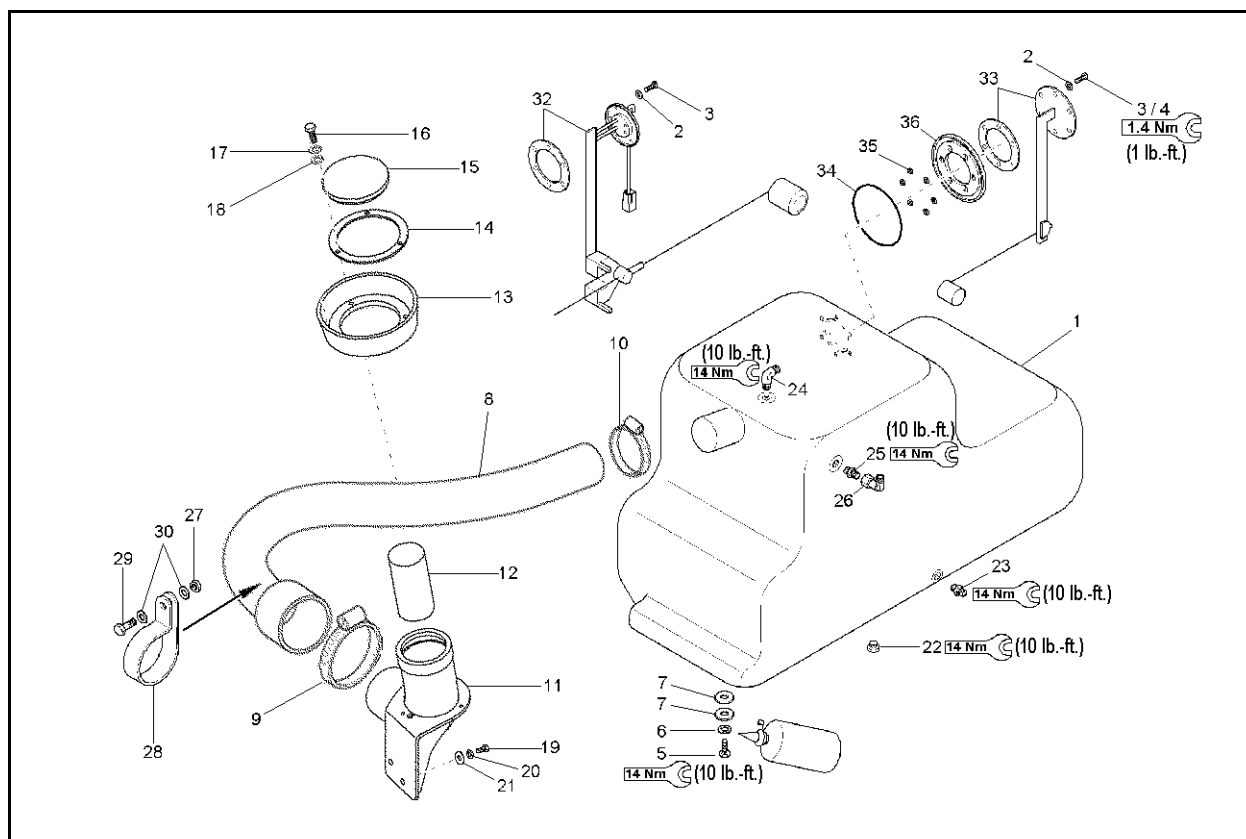
| Ref.<br>No. | Part No.   | Description                     | Qty. |
|-------------|------------|---------------------------------|------|
| 14          | 165073     | BRACKET                         | 1    |
| 15          | 165110     | FUEL CAP                        | 1    |
| 16          | 651505     | SHCS M5-0.8 X 20 C8.8 ZY DIN912 | 3    |
| 17          | 161674     | LOCKWASHER S16                  | 3    |
| 18          | 161659     | WASHER/GR A 5.3 ZO DIN125       | 3    |
| 19          | 656093     | CS M8-1.25 X 16 C8.8 ZY DIN931  | 2    |
| 20          | 163670     | LOCKWASHER                      | 2    |
| 21          | 163634     | WASHER                          | 2    |
| 22          | 203298     | O-RING                          | 3    |
| 23          | 203568     | FUEL LINE FITTING               | 1    |
| 24          | 203297     | 90° FITTING                     | 2    |
| 25          | 656149     | CS M6-1 X 16 C8.8 ZY DIN931     | 1    |
| 26          | 7462680008 | WASHER                          | 2    |
| 27          | 161678     | HN M6-1.00 C8 ZO                | 1    |
| 28          | 179860     | HOSE BAND CLIP                  | 1    |



| Ref.<br>No. | Part No. | Description                     | Qty. |
|-------------|----------|---------------------------------|------|
| 1           | 204880   | FUEL TANK KIT                   | 1    |
| 2           | 207037   | SENDER                          | 1    |
| 3           | 206935   | 90° FITTING                     | 1    |
| 4           | 206808   | SCREW M4X16                     | 6    |
| 5           | 651393   | CS M10-1.5 X 25 C8.8 ZY         | 4    |
| 6           | 161669   | LOCKWASHER S10                  | 4    |
| 7           | 161663   | WASHER/GR A 10.5 ZO             | 8    |
| 8           | 177409   | PRE-SHAPED TUBE                 | 1    |
| 9           | 165270   | HOSE COLLAR                     | 1    |
| 10          | 162611   | HOSE CLAMP                      | 1    |
| 11          | 177426   | TANK FILLER NECK                | 1    |
| 12          | 160436   | STRAINER/FUEL TANK              | 1    |
| 13          | 165072   | RING                            | 1    |
| 14          | 165073   | BRACKET                         | 1    |
| 15          | 165110   | FUEL CAP                        | 1    |
| 16          | 651505   | SHCS M5-0.8 X 20 C8.8 ZY DIN912 | 3    |
| 17          | 161674   | LOCKWASHER S16                  | 3    |
| 18          | 161659   | WASHER/GR A 5.3 ZO DIN125       | 3    |

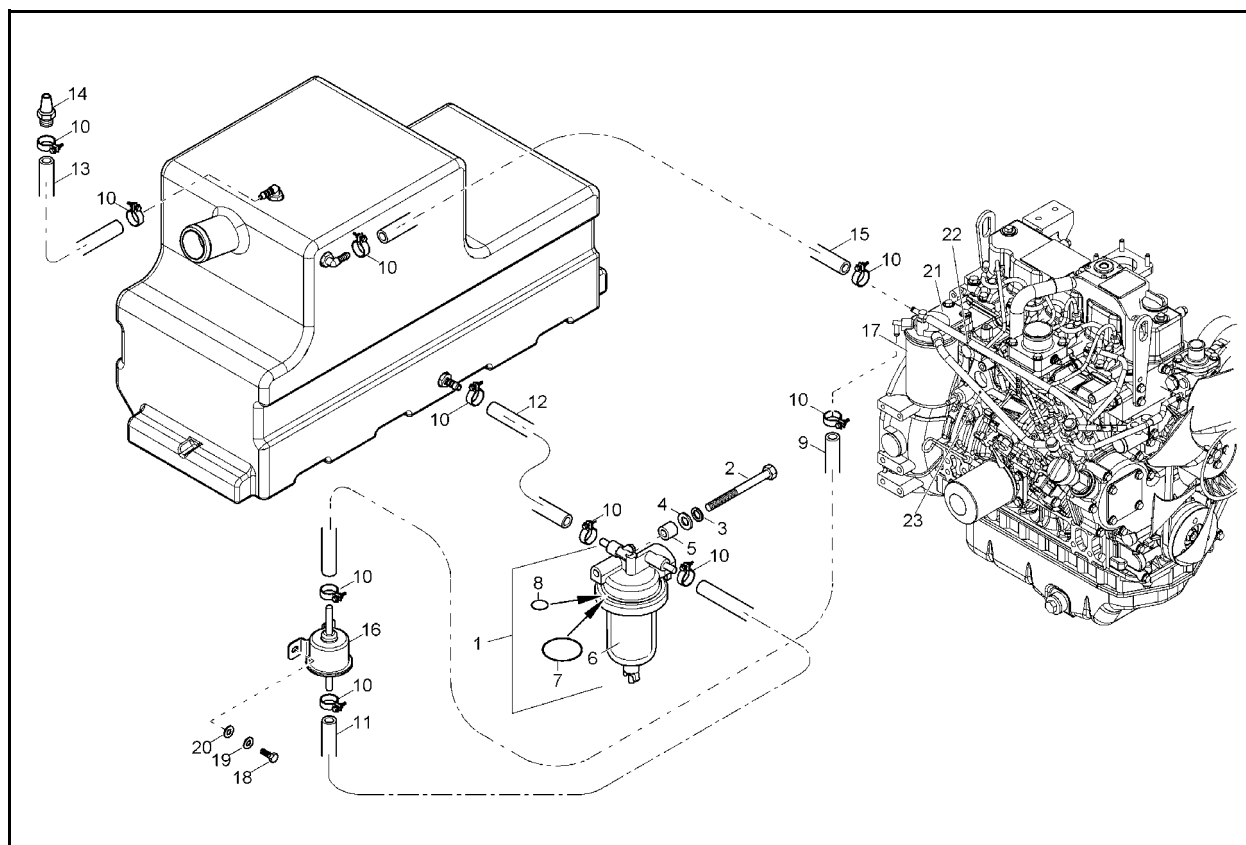
| Ref.<br>No. | Part No.   | Description                    | Qty. |
|-------------|------------|--------------------------------|------|
| 19          | 656093     | CS M8-1.25 X 16 C8.8 ZY DIN931 | 2    |
| 20          | 163670     | LOCKWASHER                     | 2    |
| 21          | 163634     | WASHER                         | 2    |
| 22          | 206896     | DRAIN PLUG                     | 1    |
| 23          | 206936     | SCREW JOINT                    | 1    |
| 24          | 208346     | O-RING                         | 2    |
| 25          | 161426     | SCREW JOINT                    | 1    |
| 26          | 161443     | 90° FITTING                    | 1    |
| 27          | 161678     | HN M6-1.00 C8 ZO               | 1    |
| 28          | 179860     | HOSE BAND CLIP                 | 1    |
| 29          | 656149     | CS M6-1 X 16 C8.8 ZY DIN931    | 1    |
| 30          | 7462680008 | WASHER                         | 2    |
| 31          | 165970     | SCREW JOINT                    | 1    |
| 32          | 206933     | WASHER                         | 2    |
| 33          | 163379     | O-RING                         | 2    |
| 34          | 206809     | RUBBER WASHER                  | 6    |
| 35          | 206934     | WASHER                         | 2    |
| 36          | 161438     | ELBOW                          | 1    |

**3503/3703 - FUEL TANK** <https://truckmanualshub.com/>  
**1000127745 - (SN AD00001 - AD04258)**



| Ref.<br>No. | Part No. | Description                     | Qty. | Ref.<br>No. | Part No.   | Description                    | Qty. |
|-------------|----------|---------------------------------|------|-------------|------------|--------------------------------|------|
| 1           | 203569   | FUEL TANK                       | 1    | 19          | 656093     | CS M8-1.25 X 16 C8.8 ZY DIN931 | 2    |
| 2           | 161658   | WASHER/GR A 4.3 ZO DIN125       | 6    | 20          | 163670     | LOCKWASHER                     | 2    |
| 3           | 163343   | SCREW                           | 6    | 21          | 163634     | WASHER                         | 2    |
| 4           | 651421   | CS M4-0.7 X 16 C8.8 ZY DIN931   | 6    | 22          | 206896     | DRAIN PLUG                     | 1    |
| 5           | 651393   | CS M10-1.5 X 25 C8.8 ZY         | 4    | 23          | 165970     | SCREW JOINT                    | 1    |
| 6           | 161669   | LOCKWASHER S10                  | 4    | 24          | 161438     | ELBOW                          | 1    |
| 7           | 161663   | WASHER/GR A 10.5 ZO             | 8    | 25          | 161426     | SCREW JOINT                    | 1    |
| 8           | 177409   | PRE-SHAPED TUBE                 | 1    | 26          | 161443     | 90° FITTING                    | 1    |
| 9           | 165270   | HOSE COLLAR                     | 1    | 27          | 161678     | HN M6-1.00 C8 ZO               | 1    |
| 10          | 162611   | HOSE CLAMP                      | 1    | 28          | 179860     | HOSE BAND CLIP                 | 1    |
| 11          | 177426   | TANK FILLER NECK                | 1    | 29          | 656149     | CS M6-1 X 16 C8.8 ZY DIN931    | 1    |
| 12          | 160436   | STRAINER/FUEL TANK              | 1    | 30          | 7462680008 | WASHER                         | 2    |
| 13          | 165072   | RING                            | 1    | 31          | 205692     | SCREW LOCKING                  | 1    |
| 14          | 165073   | BRACKET                         | 1    | 32          | 1424404G   | TRANSMITTER                    | 1    |
| 15          | 165110   | FUEL CAP                        | 1    | 33          | 207037     | SENDER                         | 1    |
| 16          | 651505   | SHCS M5-0.8 X 20 C8.8 ZY DIN912 | 3    | 34          | 206938     | O-RING                         | 1    |
| 17          | 161674   | LOCKWASHER S16                  | 3    | 35          | 206939     | O-RING                         | 6    |
| 18          | 161659   | WASHER/GR A 5.3 ZO DIN125       | 3    | 36          | 206937     | GASKET                         | 1    |

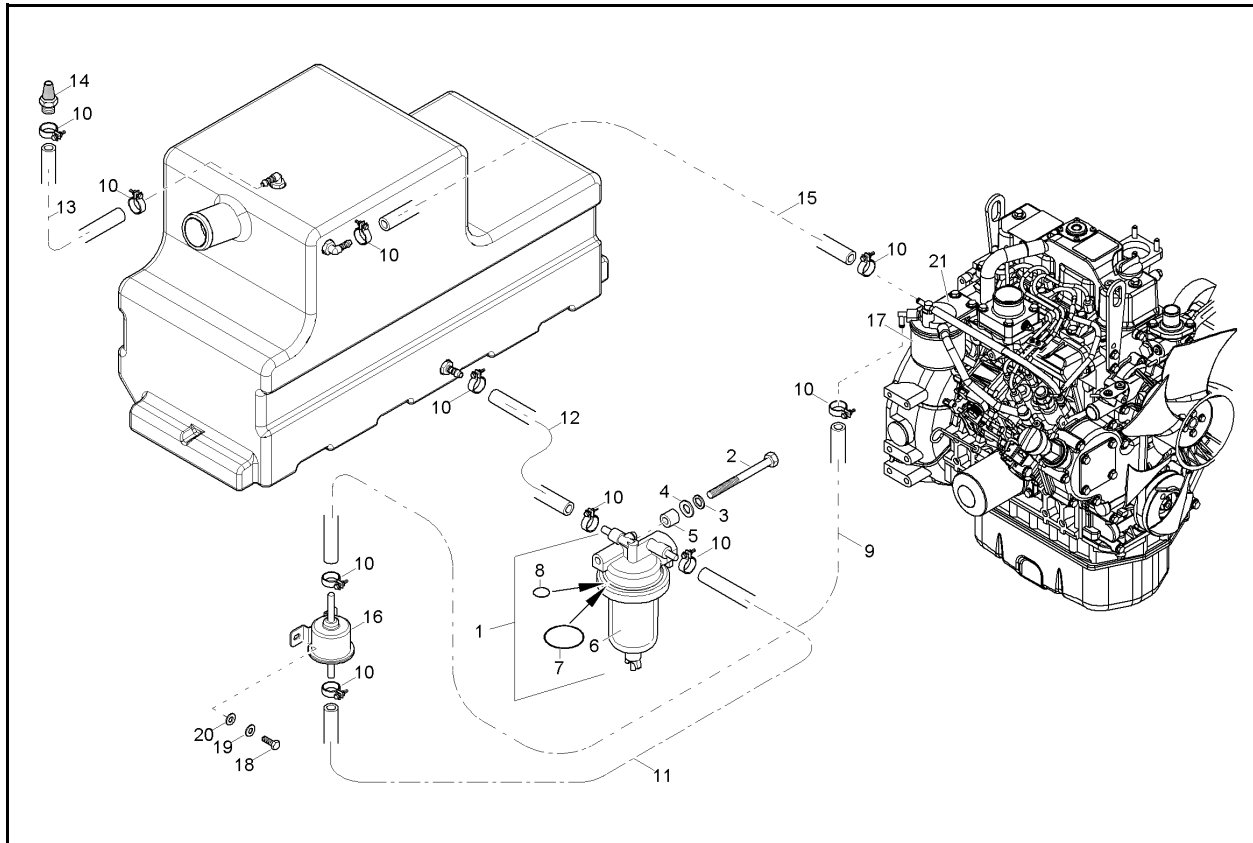
# 1000179754 - (SN AG00593 (353) & SN AG00580 (373) AND UP)



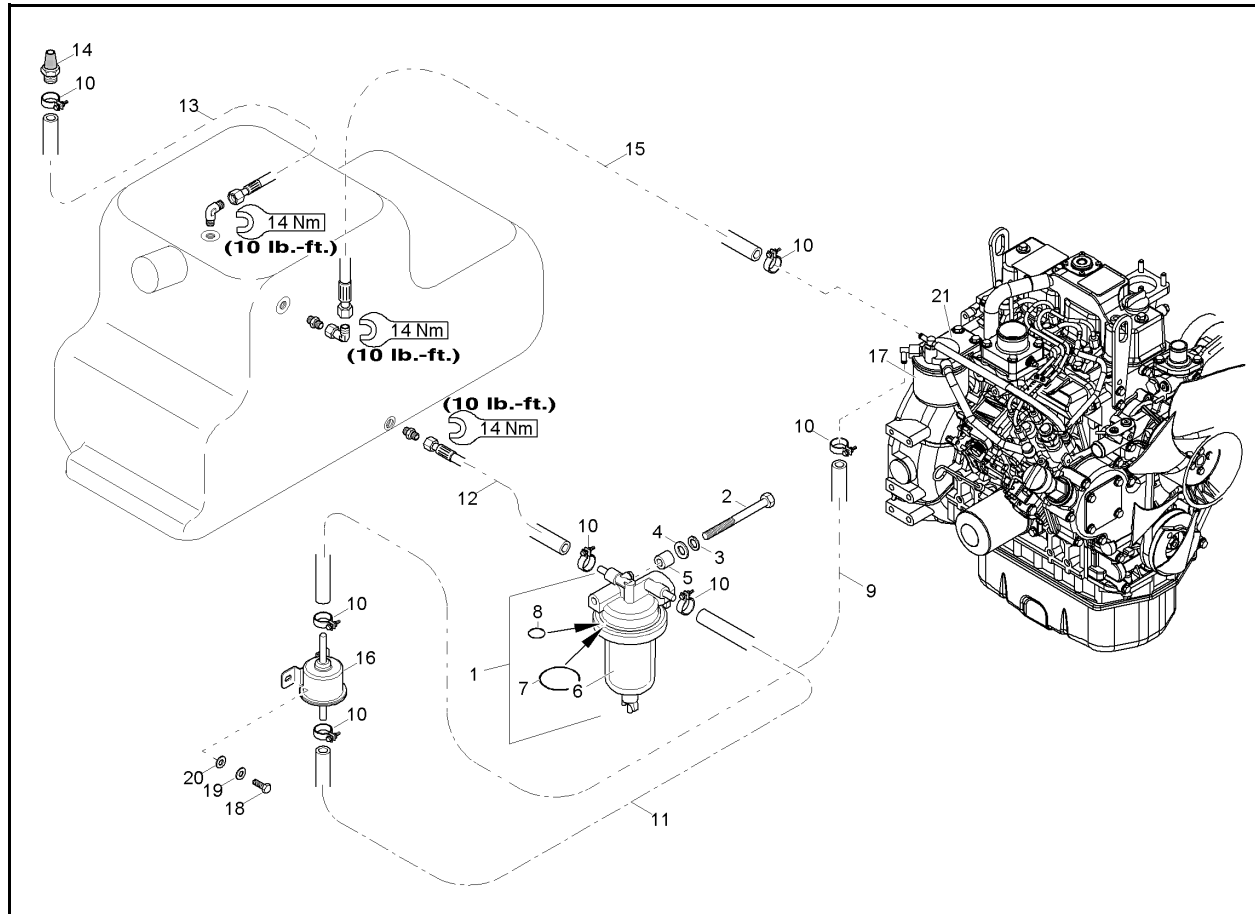
| Ref.<br>No. | Part No. | Description              | Qty. | Ref.<br>No. | Part No.   | Description         | Qty. |
|-------------|----------|--------------------------|------|-------------|------------|---------------------|------|
| 1           | 177679   | WATER SEPARATOR COMPLETE | 1    | 13          | 207264     | FUEL LINE (0.8M)    | 1    |
| 2           | 651440   | HB M8-1.25 X 90 C8.8 ZY  | 1    | 14          | 178965     | FILTER              | 1    |
| 3           | 163670   | LOCKWASHER               | 1    | 15          | 207270     | FUEL LINE (2.0M)    | 1    |
| 4           | 163634   | WASHER                   | 1    | 16          | 177699     | FUEL PUMP           | 1    |
| 5           | 162661   | HOSE COLLAR              | 1    | 17          | 202488     | FUEL FILTER         | 1    |
| 6           | 186340   | FILTER/WATER SEPARATOR   | 1    | 18          | 9901671G   | HEX HEAD SCREW      | 2    |
| 7           | 177664   | GASKET/FILTER HOUSING    | 1    | 19          | 161675     | LOCKWASHER S6       | 2    |
| 8           | 177659   | O-RING                   | 1    | 20          | 7462680008 | WASHER              | 2    |
| 9           | 207258   | FUEL LINE (0.4M)         | 1    | 21          | 177893     | BRACKET/FUEL FILTER | 1    |
| 10          | 162065   | CLAMP                    | 10   | 22          | 203724     | FLEXIBLE LINE       | 1    |
| 11          | 207262   | FUEL LINE (0.5M)         | 1    | 23          | 203273     | FLEXIBLE LINE       | 1    |
| 12          | 207271   | FUEL LINE (2.15M)        | 1    |             |            |                     |      |

# 3503/3703 - FUEL SYSTEM

<https://truckmanualshub.com/>  
1000171463 - (SN AE02125 - AE02832)

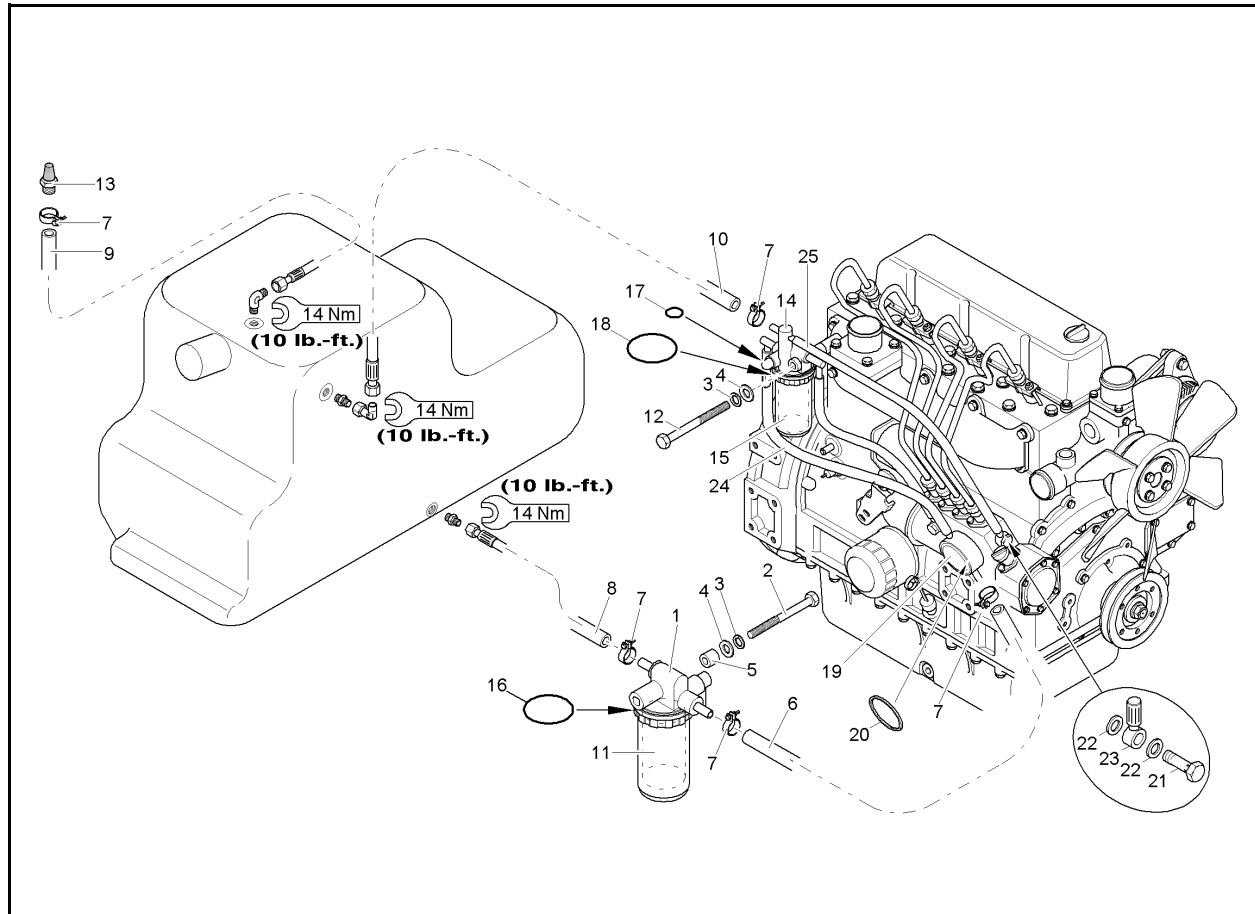


| Ref.<br>No. | Part No. | Description              | Qty. | Ref.<br>No. | Part No.   | Description         | Qty. |
|-------------|----------|--------------------------|------|-------------|------------|---------------------|------|
| 1           | 177679   | WATER SEPARATOR COMPLETE | 1    | 12          | 207271     | FUEL LINE (2.15M)   | 1    |
| 2           | 651440   | HB M8-1.25 X 90 C8.8 ZY  | 1    | 13          | 207264     | FUEL LINE (0.8M)    | 1    |
| 3           | 163670   | LOCKWASHER               | 1    | 14          | 178965     | FILTER              | 1    |
| 4           | 163634   | WASHER                   | 1    | 15          | 207270     | FUEL LINE (2.0M)    | 1    |
| 5           | 162661   | HOSE COLLAR              | 1    | 16          | 177699     | FUEL PUMP           | 1    |
| 6           | 186340   | FILTER/WATER SEPARATOR   | 1    | 17          | 137499     | FUEL FILTER         | 1    |
| 7           | 177664   | GASKET/FILTER HOUSING    | 1    | 18          | 9901671G   | HEX HEAD SCREW      | 2    |
| 8           | 177659   | O-RING                   | 1    | 19          | 161675     | LOCKWASHER S6       | 2    |
| 9           | 207258   | FUEL LINE (0.4M)         | 1    | 20          | 7462680008 | WASHER              | 2    |
| 10          | 162065   | CLAMP                    | 10   | 21          | 177893     | BRACKET/FUEL FILTER | 1    |
| 11          | 207262   | FUEL LINE (0.5M)         | 1    |             |            |                     |      |

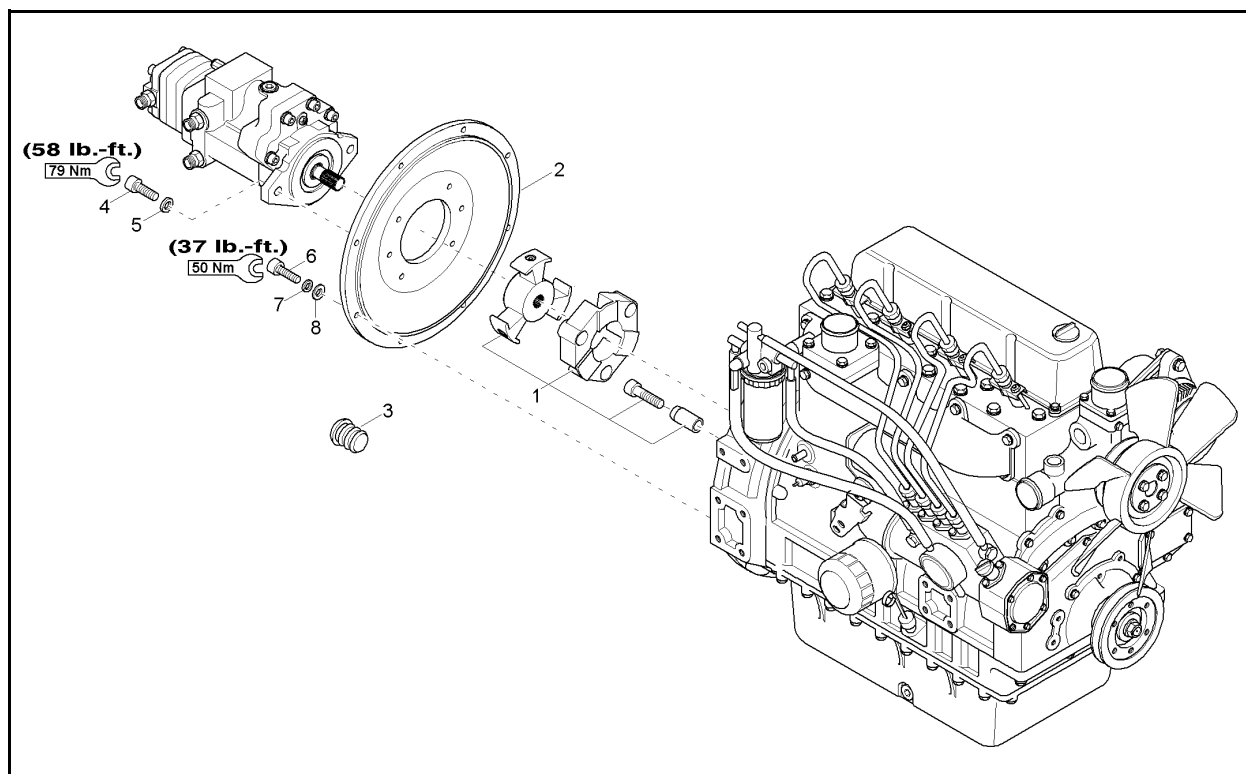


| Ref.<br>No. | Part No. | Description              | Qty. |
|-------------|----------|--------------------------|------|
| 1           | 177679   | WATER SEPARATOR COMPLETE | 1    |
| 2           | 651440   | HB M8-1.25 X 90 C8.8 ZY  | 1    |
| 3           | 163670   | LOCKWASHER               | 1    |
| 4           | 163634   | WASHER                   | 1    |
| 5           | 162661   | HOSE COLLAR              | 1    |
| 6           | 186340   | FILTER/WATER SEPARATOR   | 1    |
| 7           | 177664   | GASKET/FILTER HOUSING    | 1    |
| 8           | 177659   | O-RING                   | 1    |
| 9           | 207258   | HOSE (0.4M)              | 1    |
| 10          | 162504   | HOSE CLAMP               | 7    |
| 11          | 207262   | HOSE (0.5M)              | 1    |

| Ref.<br>No. | Part No.   | Description         | Qty. |
|-------------|------------|---------------------|------|
| 12          | 178932     | TUBE                | 1    |
| 13          | 165274     | TUBE                | 1    |
| 14          | 178965     | FILTER              | 1    |
| 15          | 160844     | TUBE                | 1    |
| 16          | 177699     | FUEL PUMP           | 1    |
| 17          | 137499     | FUEL FILTER         | 1    |
| 18          | 9901671G   | HEX HEAD SCREW      | 2    |
| 19          | 161675     | LOCKWASHER S6       | 2    |
| 20          | 7462680008 | WASHER              | 2    |
| 21          | 177893     | BRACKET/FUEL FILTER | 1    |



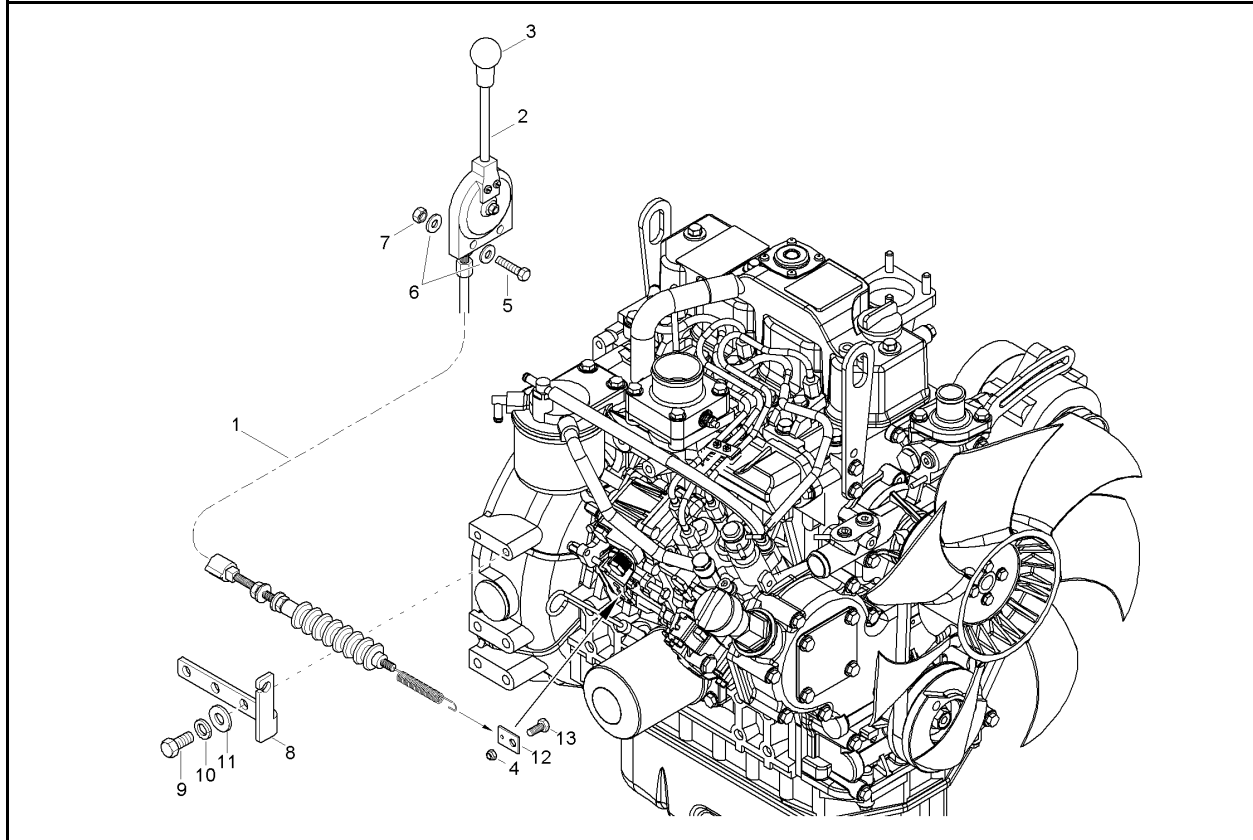
| Ref.<br>No. | Part No.  | Description              | Qty. | Ref.<br>No. | Part No.  | Description             | Qty. |
|-------------|-----------|--------------------------|------|-------------|-----------|-------------------------|------|
| 1           | 425-35973 | WATER SEPARATOR COMPLETE | 1    | 14          | 162233    | FUEL FILTER COMPLETE    | 1    |
| 2           | 651440    | HB M8-1.25X90 C8.8 ZY    | 1    | 15          | 425-34636 | FUEL FILTER ELEMENT     | 1    |
| 3           | 163670    | LOCKWASHER               | 2    | 16          | 206912    | O-RING                  | 1    |
| 4           | 163634    | WASHER                   | 2    | 17          | 177659    | O-RING                  | 1    |
| 5           | 162661    | HOSE CLAMP               | 1    | 18          | 177664    | GASKET/FILTER HOUSING   | 1    |
| 6           | 207260    | FUEL LINE (0.45M)        | 1    | 19          | 425-34713 | PUMP ASSEMBLY/FUEL FEED | 1    |
| 7           | 162504    | HOSE CLAMP               | 5    | 20          | 425-34714 | SEAL                    | 1    |
| 8           | 178932    | TUBE                     | 1    | 21          | 203925    | FUEL LINE               | 1    |
| 9           | 165274    | TUBE                     | 1    | 22          | 164393    | SEAL                    | 2    |
| 10          | 160844    | TUBE                     | 1    | 23          | 164728    | RINGSTOCK               | 1    |
| 11          | 425-36091 | SEPARATOR FILTER ELEMENT | 1    | 24          | 177903    | PIPE ASSY/FUEL OIL      | 1    |
| 12          | 651438    | HB M8-1.25X70 C8.8 ZY    | 1    | 25          | 203926    | FUEL LINE               | 1    |
| 13          | 178965    | FILTER                   | 1    |             |           |                         |      |



| Ref.<br>No. | Part No. | Description                        | Qty. |
|-------------|----------|------------------------------------|------|
| 1           | 178934   | COUPLER COMPLETE                   | 1    |
| 2           | 178964   | PUMP BRACKET                       | 1    |
| 3           | 164928   | PLUG                               | 1    |
| 4           | 651480   | SHCS M12-1.75 X 30 C10.9 ZY DIN912 | 2    |

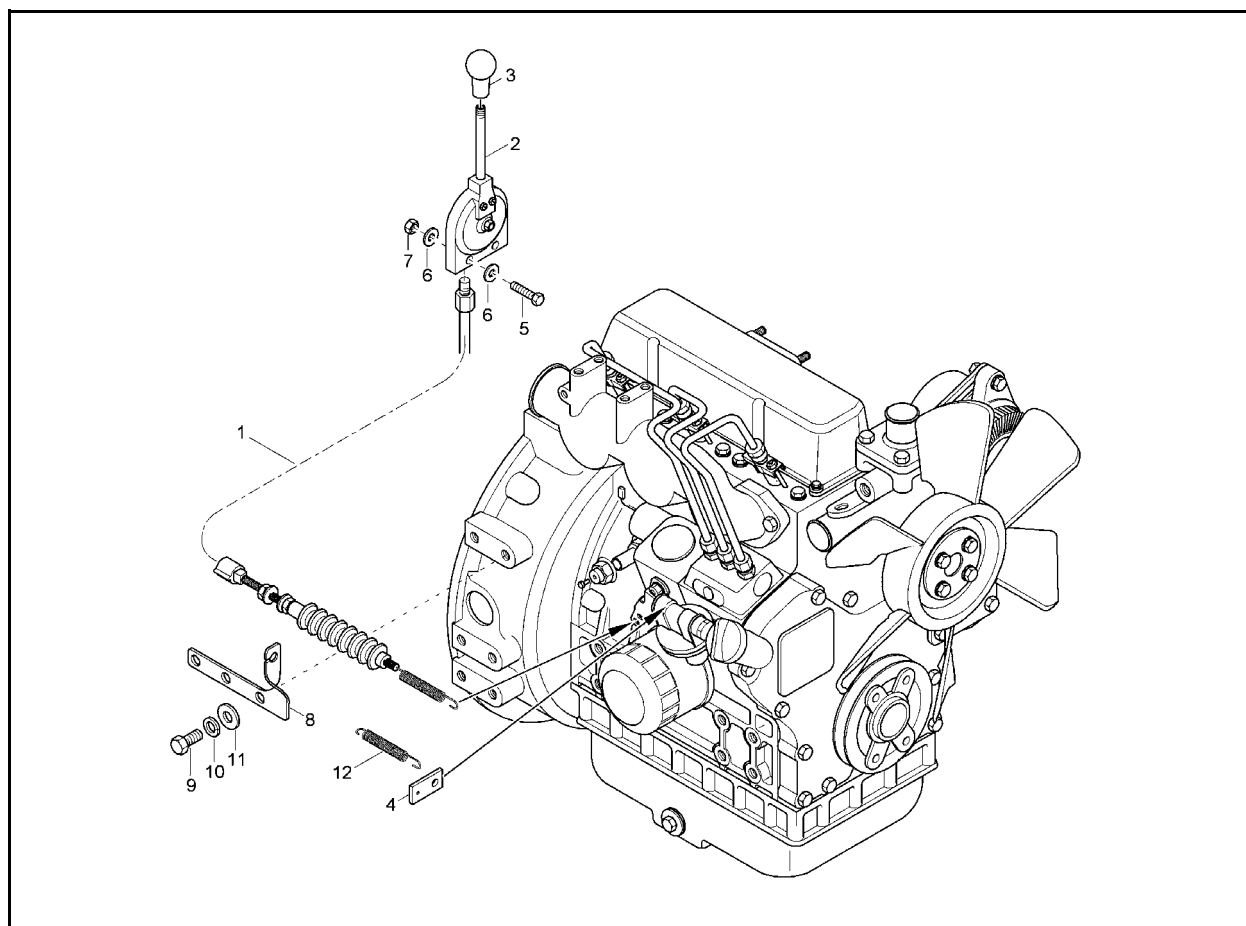
| Ref.<br>No. | Part No. | Description                    | Qty. |
|-------------|----------|--------------------------------|------|
| 5           | 163651   | WASHER                         | 2    |
| 6           | 656008   | CS M10-1.5 X 30 C8.8 ZY DIN931 | 8    |
| 7           | 161669   | LOCKWASHER S10                 | 8    |
| 8           | 161640   | WASHER/GR A 10.5               | 8    |

**3503/3703 - THROTTLE LEVER** www.truckmanualshub.com/  
**1000127746 - (SN AD01553 (353) & SN AD01554 (373) AND UP)**

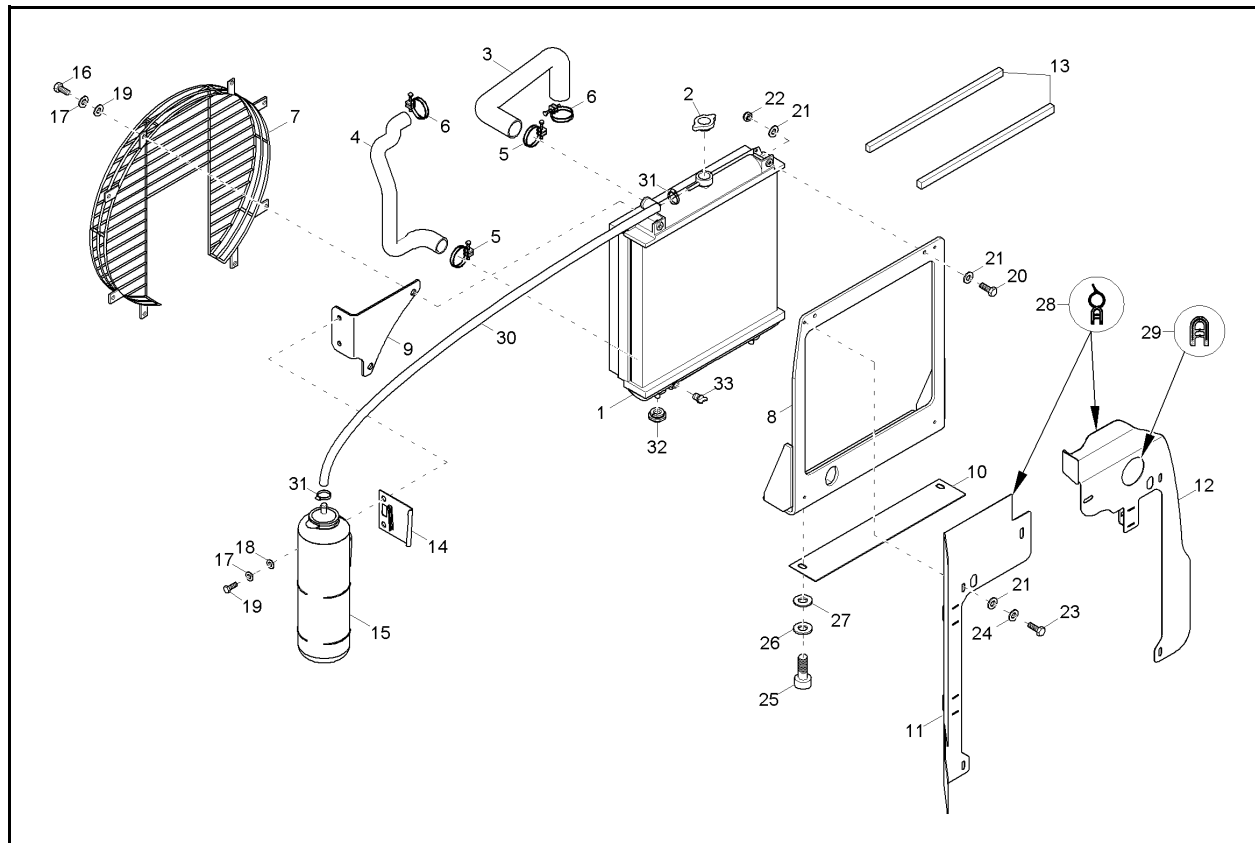


| Ref.<br>No. | Part No. | Description                 | Qty. | Ref.<br>No. | Part No. | Description                    | Qty. |
|-------------|----------|-----------------------------|------|-------------|----------|--------------------------------|------|
| 1           | 1420403G | THROTTLE CABLE              | 1    | 8           | 177406   | BRACKET                        | 1    |
| 2           | 1410401G | THROTTLE LEVER              | 1    | 9           | 656093   | CS M8-1.25 X 16 C8.8 ZY DIN931 | 2    |
| 3           | 162398   | KNOB                        | 1    | 10          | 163670   | LOCKWASHER                     | 2    |
| 4           | 165952   | NUT                         | 1    | 11          | 163634   | WASHER                         | 2    |
| 5           | 656128   | CS M6-1 X 30 C8.8 ZY DIN931 | 2    | 12          | 162355   | BRACKET                        | 1    |
| 6           | 161660   | WASHER GR A6.4 ZO DIN 125   | 4    | 13          | 177648   | HEX SCREW                      | 1    |
| 7           | 651457   | LN INS M6-1 C8 ZY DIN6924   | 2    |             |          |                                |      |

https://truckmanualshub.com/ **3503 - THROTTLE LEVER**  
**1000127248 - (SN AD00001 - AD01552 (353) & AD01553 (373))**

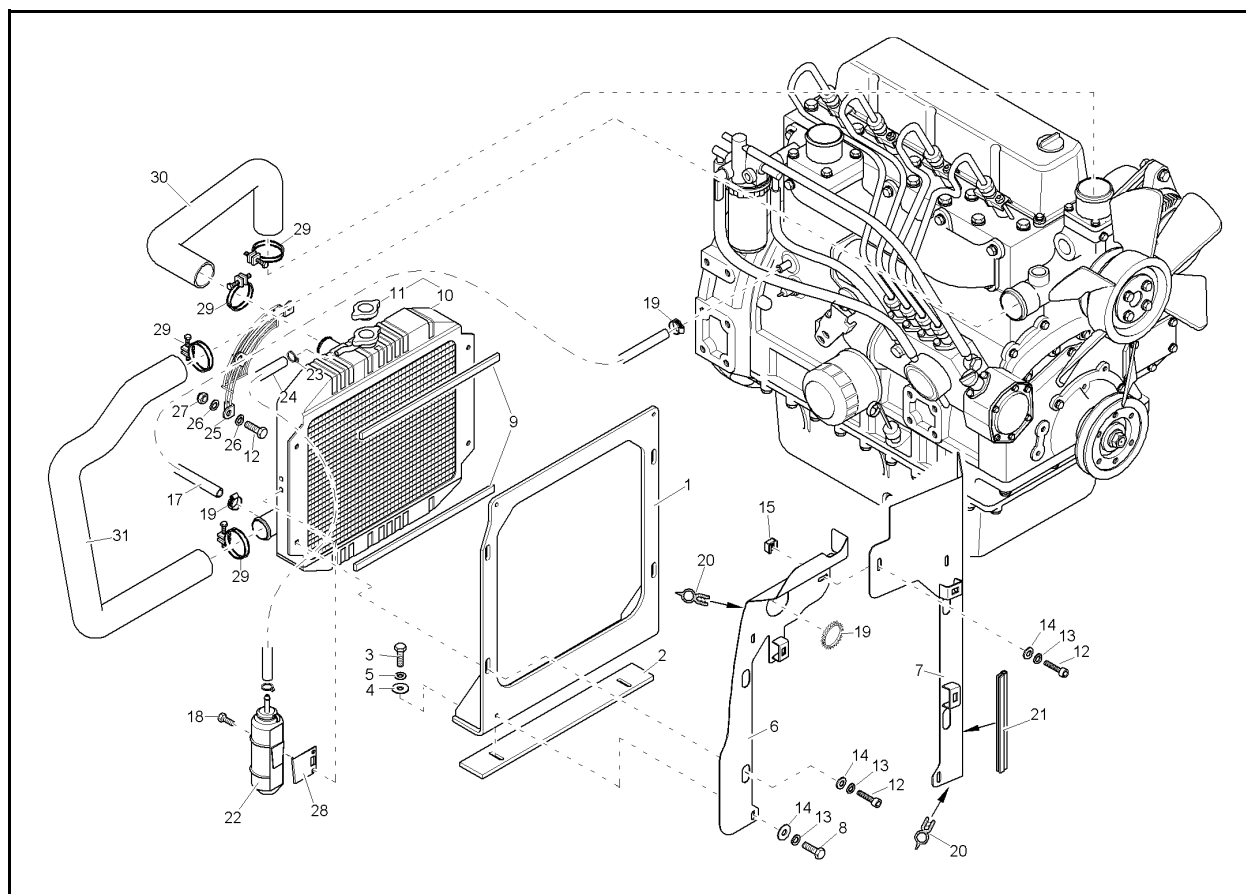


| Ref.<br>No. | Part No. | Description               | Qty. | Ref.<br>No. | Part No. | Description                  | Qty. |
|-------------|----------|---------------------------|------|-------------|----------|------------------------------|------|
| 1           | 1420403G | THROTTLE CABLE            | 1    | 7           | 651457   | LN INS M6-1 C8 ZY DIN6924    | 2    |
| 2           | 1410401G | THROTTLE LEVER            | 1    | 8           | 160973   | BRACKET                      | 1    |
| 3           | 162398   | KNOB                      | 1    | 9           | 656093   | CS M8-1.25X16 C8.8 ZY DIN931 | 2    |
| 4           | 162355   | BRACKET                   | 1    | 10          | 163670   | LOCKWASHER                   | 2    |
| 5           | 656128   | CS M6-1X30 C8.8 ZY DIN931 | 2    | 11          | 163634   | WASHER                       | 2    |
| 6           | 161660   | WASHER GR A6.4 ZO DIN 125 | 4    | 12          | 160657   | SPRING                       | 1    |

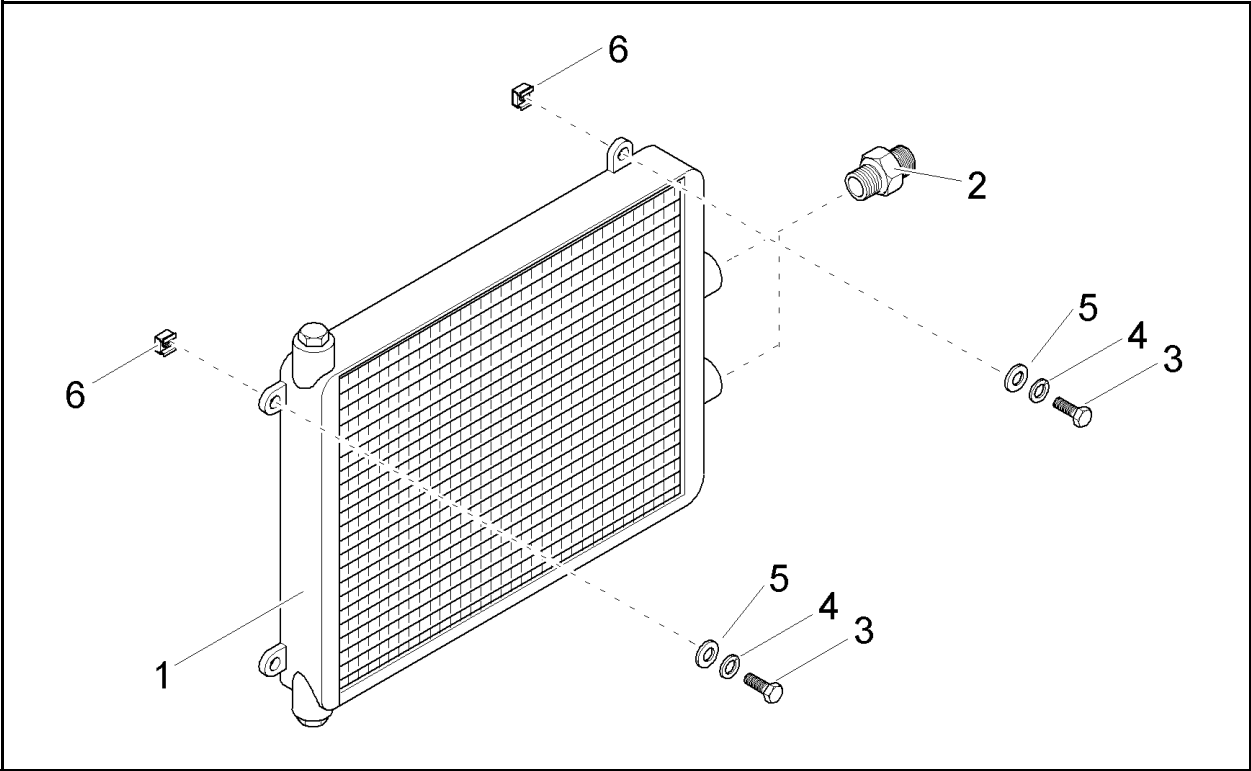


| Ref.<br>No. | Part No.  | Description                 | Qty. | Ref.<br>No. | Part No.   | Description                       | Qty. |
|-------------|-----------|-----------------------------|------|-------------|------------|-----------------------------------|------|
| 1           | 177433    | RADIATOR                    | 1    | 18          | 7462680008 | WASHER                            | 10   |
| 2           | 177996    | RADIATOR CAP                | 1    | 19          | 656149     | CS M6-1 X 16 C8.8 ZY DIN931       | 2    |
| 3           | 177993    | RADIATOR HOSE/UPPER         | 1    | 20          | 656002     | CS M8-1.25 X 35 C8.8 ZY DIN931    | 2    |
| 4           | 177434    | RADIATOR HOSE/LOWER         | 1    | 21          | 7462680011 | WASHER 8.4 ST A2C                 | 9    |
| 5           | 177991    | CLAMP                       | 2    | 22          | 651458     | LN INS M8-1.25 C8 ZY DIN6924      | 2    |
| 6           | 425-34853 | CLAMP 38                    | 2    | 23          | 656093     | CS M8-1.25 X 16 C8.8 ZY DIN931    | 5    |
| 7           | 207466    | PROTECTING SCREEN           | 1    | 24          | 163670     | LOCKWASHER                        | 5    |
| 8           | 177421    | BRACKET                     | 1    | 25          | 651481     | SHCS M12-1.75 X 30 C8.8 ZY DIN912 | 2    |
| 9           | 177428    | MOUNTING BRACKET            | 1    | 26          | 163651     | WASHER                            | 2    |
| 10          | 177420    | BRACKET                     | 1    | 27          | 161645     | WASHER/GR A 13 DIN7349            | 2    |
| 11          | 177390    | AIR GUIDING PLATE           | 1    | 28          | 206924     | RUBBER PROFILE (1.4M)             | 1    |
| 12          | 177391    | AIR GUIDING PLATE           | 1    | 29          | 206929     | RUBBER PROFILE (0.23M)            | 1    |
| 13          | 207150    | RUBBER EXTRUSION (0.9M)     | 1    | 30          | 207257     | HOSE (0.3M)                       | 1    |
| 14          | 425-36152 | BRACKET/SUB-TANK            | 1    | 31          | 162065     | CLAMP                             | 2    |
| 15          | 190845    | BOTTLE-OVERFLOW (COOLANT)   | 1    | 32          | 177710     | RUBBER BUFFER                     | 2    |
| 16          | 651424    | CS M6-1 X 20 C8.8 ZY DIN931 | 8    | 33          | 177994     | DRAIN SCREW                       | 1    |
| 17          | 161675    | LOCKWASHER S6               | 10   | 34          | 161856     | COLLAR                            | 1    |

https://truckmanualshub.com/ **3503 - COOLING SYSTEM**  
**1000127241 - (SN AD00001 - AD01552 (353) & AD01553 (373))**



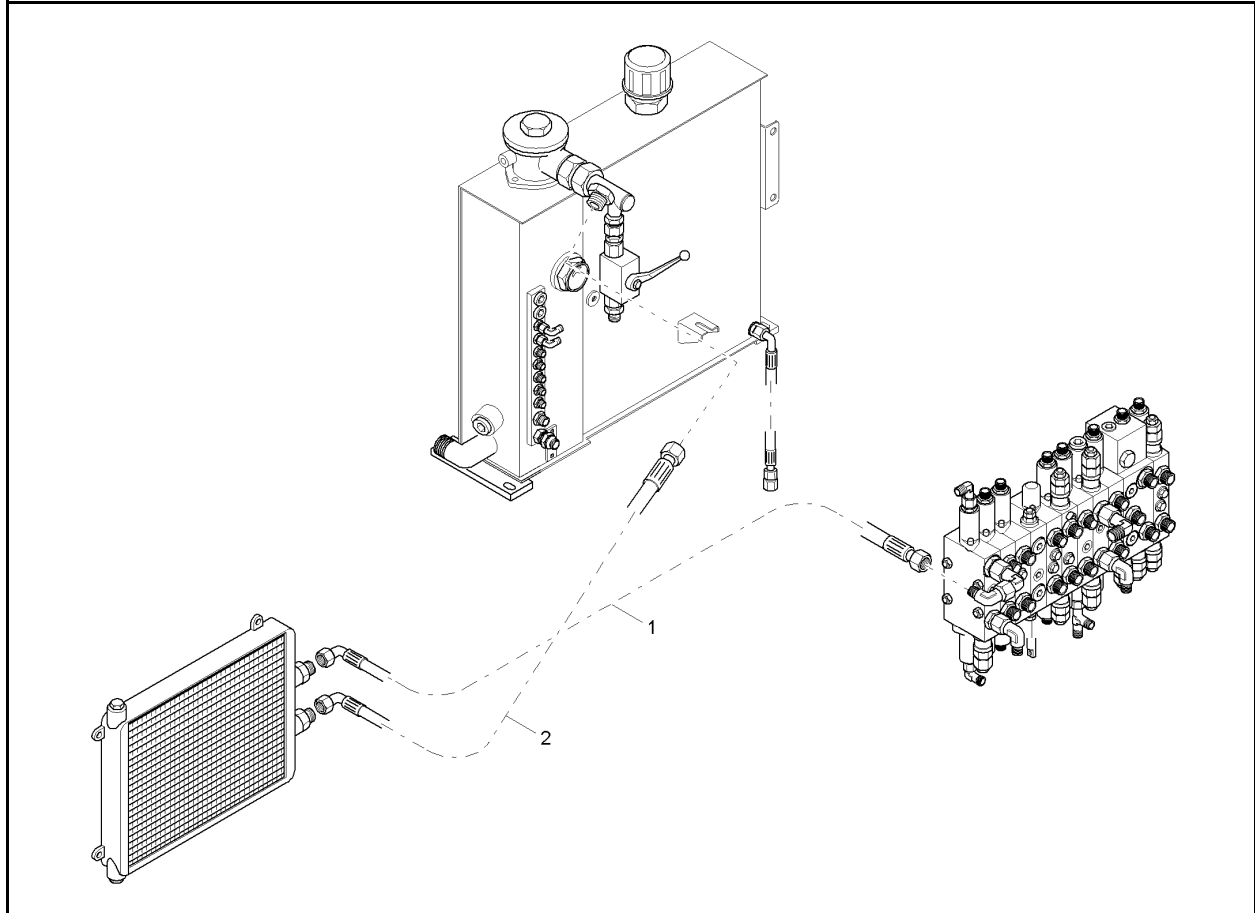
| Ref.<br>No. | Part No.   | Description                      | Qty. | Ref.<br>No. | Part No.  | Description                  | Qty. |
|-------------|------------|----------------------------------|------|-------------|-----------|------------------------------|------|
| 1           | 178924     | BRACKET                          | 1    | 17          | 207173    | BRAIDED HOSE GCN NW8 (1.0M)  | 1    |
| 2           | 178927     | BRACKET                          | 1    | 18          | 161630    | SCREW/HEX HD TAP B5.5X19     | 2    |
| 3           | 651480     | SHCS M12-1.75X30 C10.9 ZY DIN912 | 2    | 19          | 162501    | COLLAR                       | 2    |
| 4           | 161645     | WASHER/GR A 13 DIN7349           | 4    | 20          | 207280    | RUBBER EXTRUSION (1.6M)      | 1    |
| 5           | 163651     | WASHER                           | 2    | 21          | 206035    | RUBBER PROFILE (1.30M)       | 1    |
| 6           | 179043     | AIR GUIDING PLATE LT             | 1    | 22          | 190845    | BOTTLE-OVERFLOW (COOLANT)    | 1    |
| 7           | 179042     | AIR GUIDING PLATE RT             | 1    | 23          | 162504    | HOSE CLAMP                   | 2    |
| 8           | 656093     | CS M8-1.25X16 C8.8 ZY DIN931     | 4    | 24          | 207262    | FUEL LINE (0.5M)             | 1    |
| 9           | 207157     | SEALING TAPE (2.04M)             | 1    | 25          | 425-36092 | FAN GUARD                    | 1    |
| 10          | 425-36093  | RADIATOR                         | 1    | 26          | 163634    | WASHER                       | 8    |
| 11          | 160424     | COVER                            | 1    | 27          | 651458    | LN INS M8-1.25 C8 ZY DIN6924 | 4    |
| 12          | 177648     | HEX SCREW                        | 9    | 28          | 425-36152 | BRACKET/SUB-TANK             | 1    |
| 13          | 163670     | LOCKWASHER                       | 9    | 29          | 425-34853 | CLAMP 38                     | 4    |
| 14          | 7462680011 | WASHER 8.4 ST A2C)               | 9    | 30          | 425-34687 | UPPER RADIATOR HOSE          | 1    |
| 15          | 161615     | NUT/CAGE M8                      | 2    | 31          | 425-34686 | LOWER RADIATOR HOSE          | 1    |
| 16          | 162821     | SCREW                            | 2    |             |           |                              |      |



| Ref. No. | Part No. | Description                    | Qty. | Ref. No. | Part No. | Description | Qty. |
|----------|----------|--------------------------------|------|----------|----------|-------------|------|
| 1        | 206090   | OIL COOLER                     | 1    | 4        | 163670   | LOCKWASHER  | 3    |
| 2        | 161464   | SCREW JOINT                    | 2    | 5        | 163634   | WASHER      | 3    |
| 3        | 656105   | CS M8-1.25 X 25 C8.8 ZY DIN931 | 3    | 6        | 161615   | NUT/CAGE M8 | 3    |

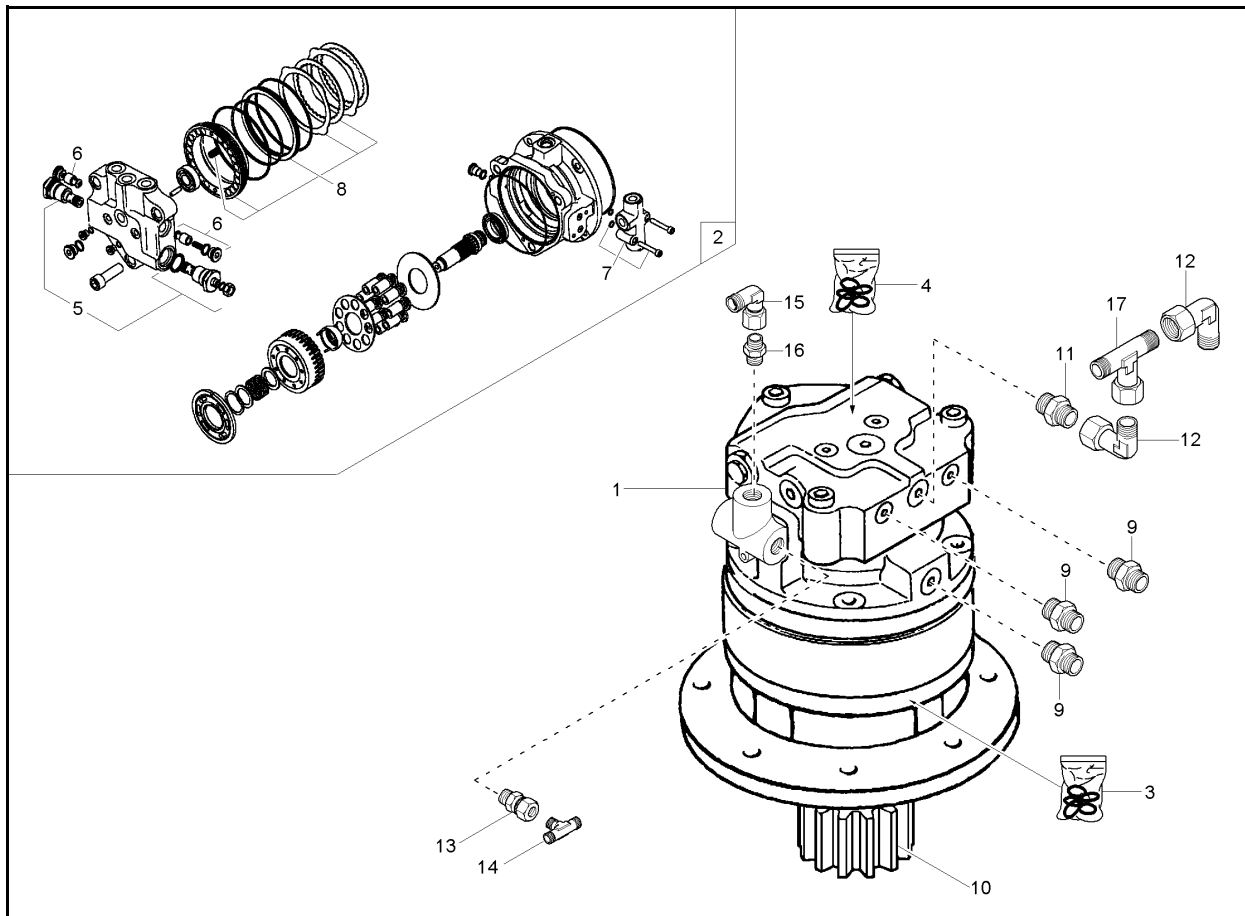
# 3503/3703 OIL COOLER HOSE INSTALLATION

## 1000127289



| Ref.<br>No. | Part No. | Description | Qty. | Ref.<br>No. | Part No. | Description | Qty. |
|-------------|----------|-------------|------|-------------|----------|-------------|------|
| 1           | 207047   | HP HOSE     | 1    | 2           | 207048   | HP HOSE     | 1    |

**1000127261**

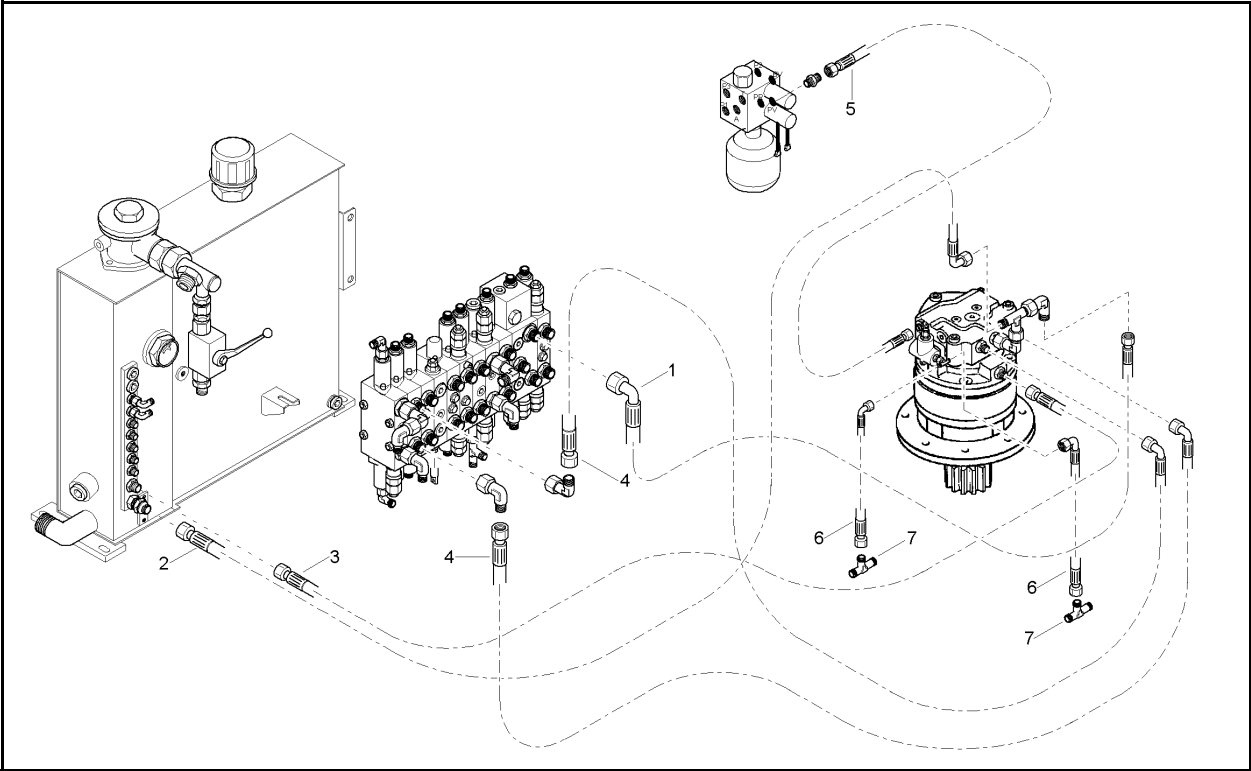


| Ref. | Part No. | Description                   | Qty. |
|------|----------|-------------------------------|------|
| 1    | 207049   | TURNTABLE DRIVE UNIT COMPLETE | 1    |
| 2    | 179016   | TORQUE MOTOR COMPLETE         | 1    |
| 3    | 178963   | SEAL KIT                      | 1    |
| 4    | 162289   | SEAL KIT                      | 1    |
| 5    | 179018   | SHOCK VALVE                   | 1    |
| 6    | 162284   | ANTICAVITATION VALVE KIT      | 1    |
| 7    | 178959   | TIMER VALVE                   | 1    |
| 8    | 178961   | BRAKE ASSY                    | 1    |
| 9    | 165966   | SCREW JOINT                   | 3    |

| Ref. | Part No. | Description           | Qty. |
|------|----------|-----------------------|------|
| 10   | 179017   | MAIN DRIVE PINION SET | 1    |
| 11   | 165971   | SCREW JOINT           | 1    |
| 12   | 161446   | 90° FITTING           | 2    |
| 13   | 165973   | SCREW JOINT           | 1    |
| 14   | 161474   | VALVE                 | 1    |
| 15   | 161443   | 90° FITTING           | 1    |
| 16   | 164945   | SCREW JOINT           | 1    |
| 17   | 161467   | TEE                   | 1    |

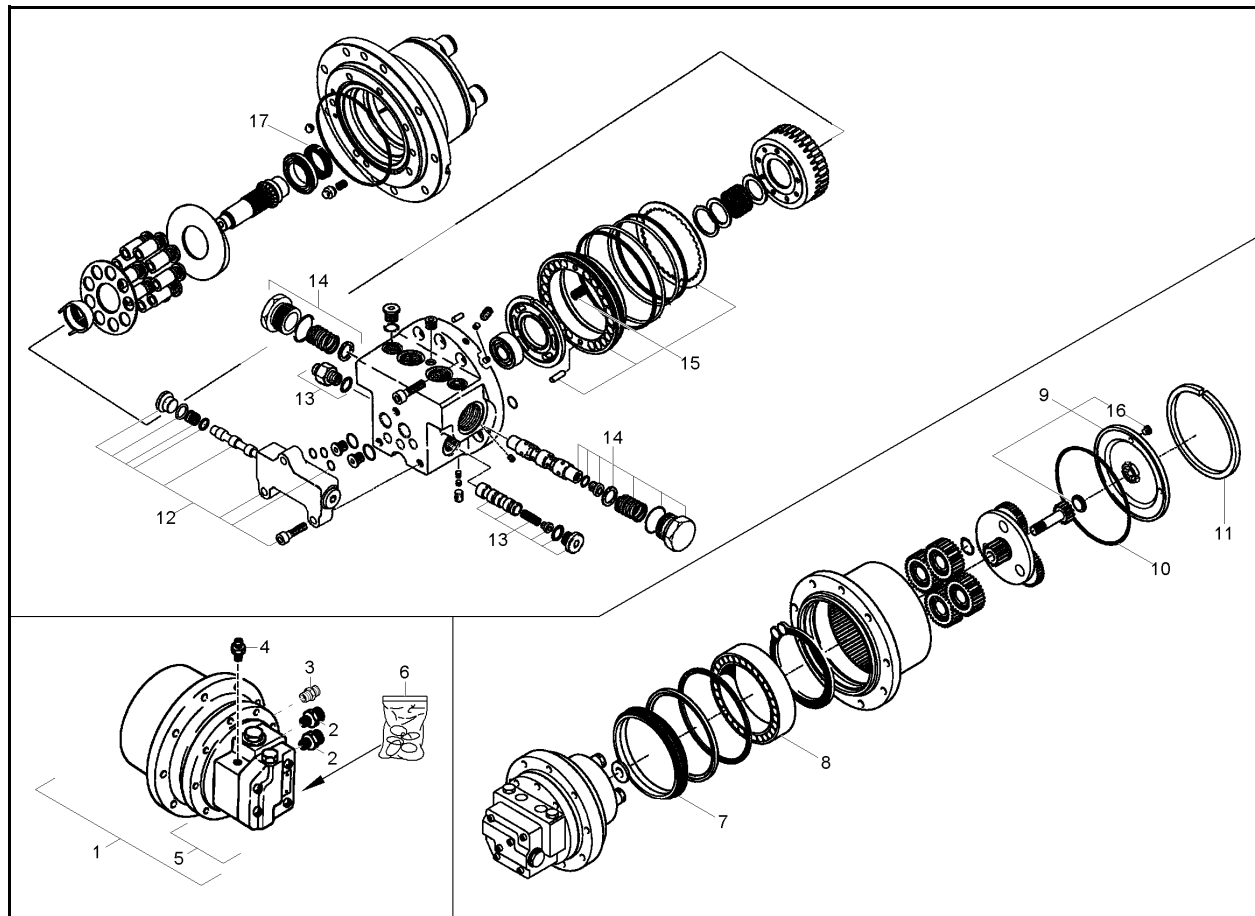
3503/3703 - TURNABLE DRIVE UNIT HOSE INSTALLATION

1000127297



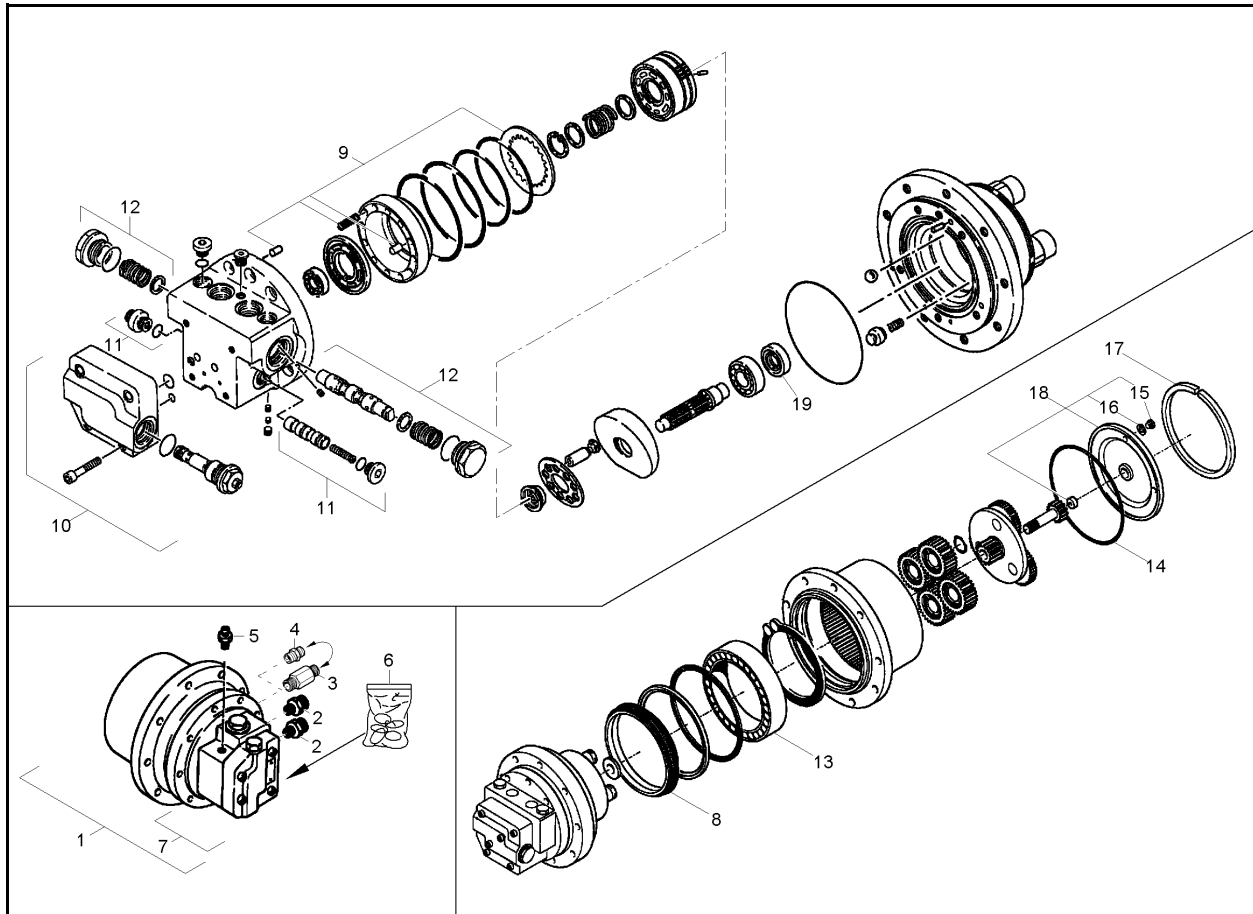
| Ref. | No. | Part No. | Description | Qty. | Ref. | No. | Part No. | Description | Qty. |
|------|-----|----------|-------------|------|------|-----|----------|-------------|------|
|      | 1   | 162437   | HP HOSE     | 1    |      | 5   | 161227   | HP HOSE     | 1    |
|      | 2   | 165866   | HP HOSE     | 1    |      | 6   | 161236   | HP HOSE     | 2    |
|      | 3   | 165851   | HP HOSE     | 1    |      | 7   | 161465   | TEE         | 2    |
|      | 4   | 162970   | HP HOSE     | 2    |      |     |          |             |      |

**3503/3703 - DRIVE MOTOR** <https://truckmanualshub.com/>  
**1000158160 - (SN AE01101 AND UP)**



| Ref.<br>No. | Part No. | Description          | Qty. |
|-------------|----------|----------------------|------|
| 1           | 205703   | DRIVE MOTOR COMPLETE | 2    |
| 2           | 165965   | SCREW JOINT          | 4    |
| 3           | 161428   | SCREW JOINT 10L      | 2    |
| 4           | 162497   | SCREW JOINT          | 2    |
| 5           | 205986   | MOTOR                | 2    |
| 6           | 205987   | SEAL KIT/DRIVE MOTOR | 2    |
| 7           | 207050   | SEAL                 | 2    |
| 8           | 162125   | BEARING              | 2    |
| 9           | 205988   | COVER                | 2    |

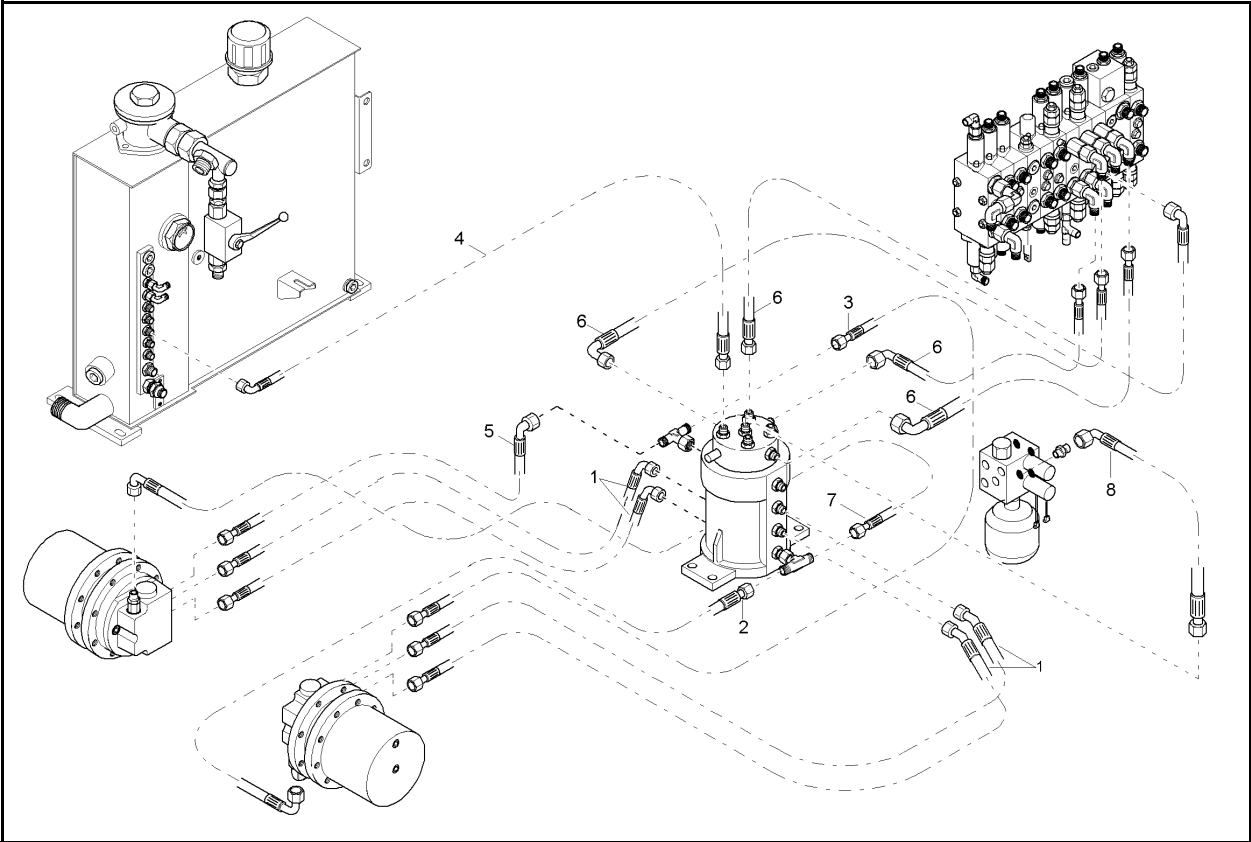
| Ref.<br>No. | Part No. | Description          | Qty. |
|-------------|----------|----------------------|------|
| 10          | 162532   | O-RING               | 2    |
| 11          | 162529   | WASHER               | 2    |
| 12          | 206134   | ANTICAVITATION VALVE | 2    |
| 13          | 205989   | CONTROL PLUNGER      | 2    |
| 14          | 205990   | BRAKE VALVE          | 2    |
| 15          | 205991   | DRIVE BRAKE          | 2    |
| 16          | 176943   | PLUG                 | 4    |
| 17          | 162186   | SEAL KIT             | 2    |



| Ref.<br>No. | Part No. | Description                           | Qty. |
|-------------|----------|---------------------------------------|------|
| 1           | 160723   | DRIVE MOTOR COMPLETE                  | 2    |
| 2           | 165965   | SCREW JOINT                           | 4    |
| 3           | 9910286G | SCREW JOINT<br>(SN AD00001 - AD04113) | 2    |
| 4           | 179837   | SCREW JOINT<br>(SN AD04114 - AE02832) | 2    |
| 5           | 165970   | SCREW JOINT                           | 2    |
| 6           | 162186   | SEAL KIT                              | 2    |
| 7           | 162130   | HYDRAULIC MOTOR                       | 2    |
| 8           | 207050   | SEAL                                  | 2    |
| 9           | 178147   | BRAKE ASSY COMPLETE                   | 2    |

| Ref.<br>No. | Part No. | Description     | Qty. |
|-------------|----------|-----------------|------|
| 10          | 162181   | HOUSING         | 2    |
| 11          | 207051   | CONTROL PLUNGER | 2    |
| 12          | 207052   | BRAKE VALVE     | 2    |
| 13          | 162125   | BEARING         | 2    |
| 14          | 162532   | O-RING          | 2    |
| 15          | 161415   | PLUG            | 4    |
| 16          | 162264   | WASHER          | 4    |
| 17          | 162529   | WASHER          | 2    |
| 18          | 162531   | COVER SET       | 2    |
| 19          | 162186   | SEAL KIT        | 2    |

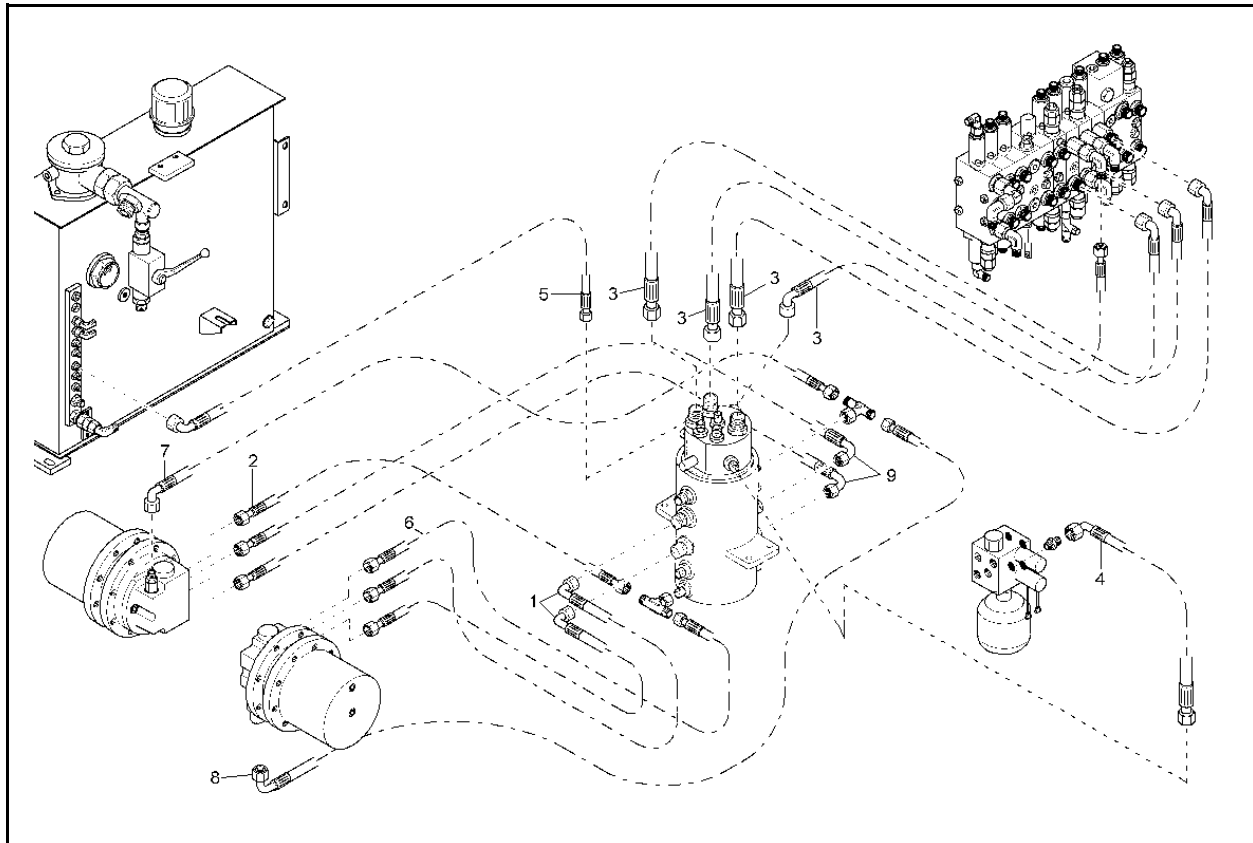
3503 - DRIVE MOTOR HOSE INSTALLATION  
1000127293



| Ref. No. | Part No. | Description                    | Qty. | Ref. No. | Part No. | Description                    | Qty. |
|----------|----------|--------------------------------|------|----------|----------|--------------------------------|------|
| 1        | 165885   | HP HOSE                        | 4    | 5        | 205673   | HP HOSE (SN AD04114 - AE02832) | 1    |
| 2        | 162414   | HP HOSE                        | 1    |          | 162414   | HP HOSE (SN AD00001 - AD04113) | 1    |
| 3        | 205686   | HP HOSE (SN AD04114 - AE02832) | 1    | 6        | 179586   | HP HOSE                        | 4    |
|          | 179527   | HP HOSE (SN AD00001 - AD04113) | 1    | 7        | 165833   | HP HOSE                        | 1    |
| 4        | 203555   | HP HOSE (SN AD04114 - AE02832) | 1    | 8        | 165829   | HP HOSE                        | 1    |
|          | 165832   | HP HOSE (SN AD00001 - AD04113) | 1    |          |          |                                |      |

# 3703 DRIVE MOTOR HOSE INSTALLATION

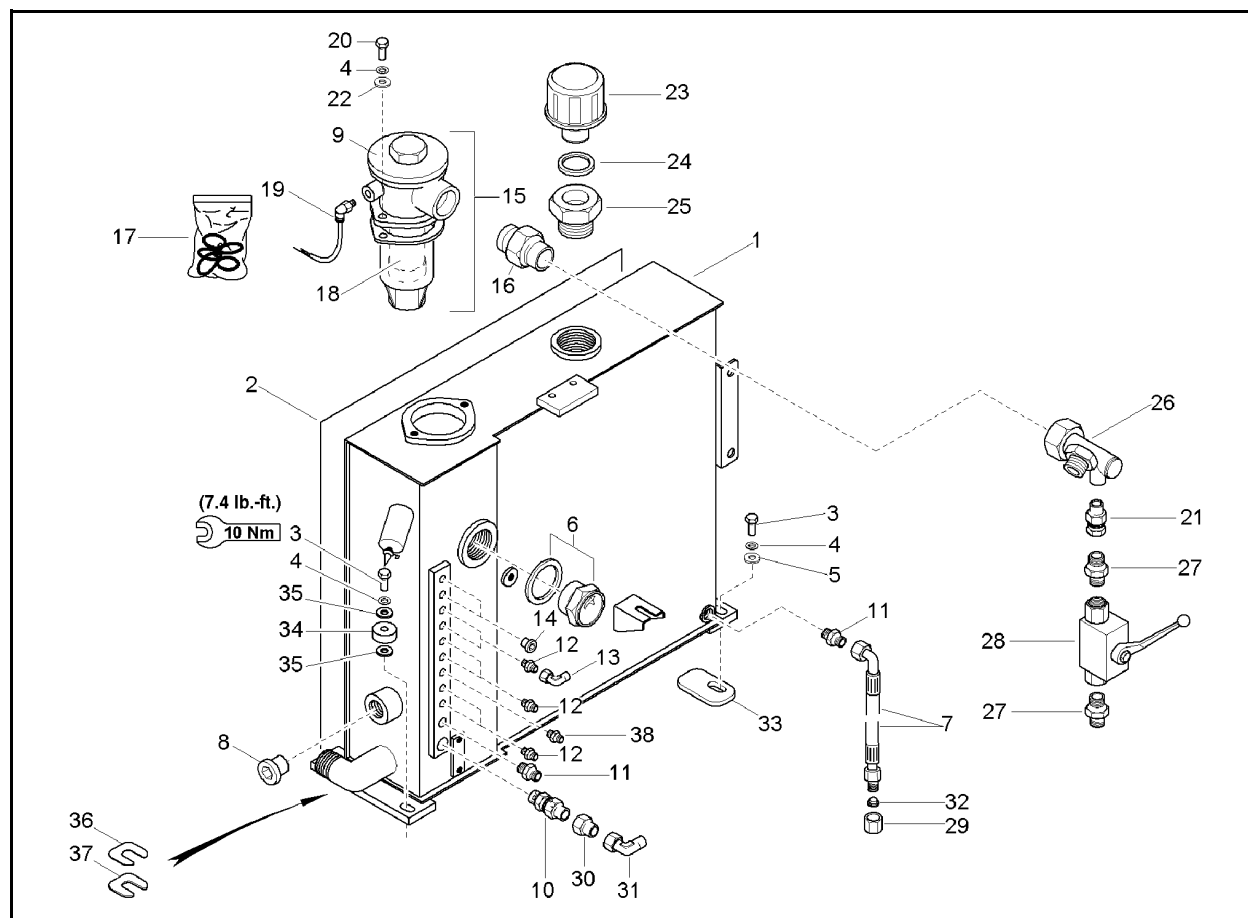
## 1000127295



| Ref.<br>No. | Part No. | Description                       | Qty. | Ref.<br>No. | Part No. | Description                       | Qty. |
|-------------|----------|-----------------------------------|------|-------------|----------|-----------------------------------|------|
| 1           | 165869   | HP HOSE                           | 2    | 6           | 203565   | HP HOSE<br>(SN AD04114 - AE02832) | 1    |
| 2           | 203564   | HP HOSE<br>(SN AD04114 - AE02832) | 1    |             | 165842   | HP HOSE<br>(SN AD00001 - AD04113) | 1    |
|             | 161263   | HP HOSE<br>(SN AD00001 - AD04113) | 1    | 7           | 165833   | HP HOSE                           | 1    |
| 3           | 179586   | HP HOSE                           | 4    | 8           | 165843   | HP HOSE                           | 1    |
| 4           | 165829   | HP HOSE                           | 1    | 9           | 162426   | HP HOSE                           | 2    |
| 5           | 203555   | HP HOSE<br>(SN AD04114 - AE02832) | 1    |             |          |                                   |      |
|             | 165832   | HP HOSE<br>(SN AD00001 - AD04113) | 1    |             |          |                                   |      |

# 3503/3703 - HYDRAULIC OIL TANK

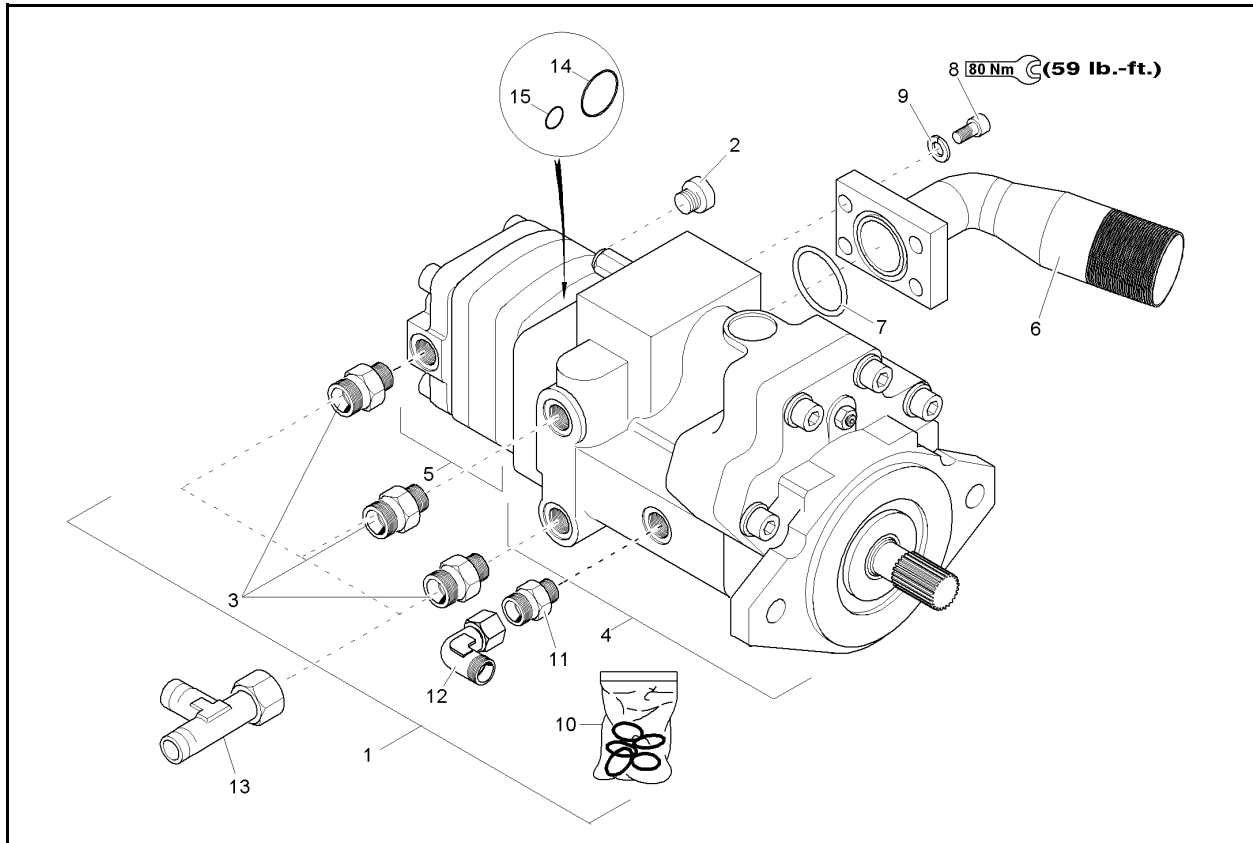
1000127250



| Ref. No. | Part No. | Description                       | Qty. | Ref. No. | Part No.   | Description                                | Qty. |
|----------|----------|-----------------------------------|------|----------|------------|--------------------------------------------|------|
| 1        | 179033   | HYDRAULIC OIL TANK                | 1    | 22       | 161640     | WASHER/GR A 10.5                           | 2    |
| 2        | 165558   | ISOLATION MAT                     | 1    | 23       | 160949     | BREATHER                                   | 1    |
| 3        | 651399   | CS M10-1.5 X 40 C8.8 ZY           | 4    | 24       | 161579     | SEAL                                       | 1    |
| 4        | 161669   | LOCKWASHER S10                    | 4    | 25       | 161485     | REDUCTION JOINT                            | 1    |
| 5        | 163642   | WASHER                            | 4    | 26       | 165478     | TUBE                                       | 1    |
| 6        | 1428450G | OIL LEVEL GLASS                   | 1    | 27       | 161430     | SCREW JOINT                                | 2    |
| 7        | 165863   | HP HOSE                           | 1    | 28       | 206084     | BALL VALVE                                 | 1    |
| 8        | 164925   | SCREW                             | 1    | 29       | 7788010663 | UNION NUT AL 12 VERZ.                      | 1    |
| 9        | 178268   | COVER                             | 1    | 30       | 161441     | REDUCTION JOINT                            | 1    |
| 10       | 161511   | NON RETURN VALVE                  | 1    | 31       | 161446     | 90° FITTING                                | 1    |
| 11       | 161429   | SCREW JOINT 12L                   | 2    | 32       | 161418     | PLUG                                       | 1    |
| 12       | 161426   | SCREW JOINT                       | 6    | 33       | 178174     | RUBBER MAT                                 | 3    |
| 13       | 161443   | 90° FITTING                       | 2    | 34       | 178967     | CORK WASHER (SN AD04169 - AE02832)         | 1    |
| 14       | 161414   | SCREW                             | 2    | 35       | 161663     | WASHER/GR A 10.5 ZO (SN AD00001 - AD04169) | 2    |
| 15       | 165108   | HYDRAULIC OIL FILTER COMPLETE     | 1    | 36       | 206093     | SHIM                                       | 1    |
| 16       | 161490   | SCREW JOINT                       | 1    | 37       | 206092     | SHIM                                       | 1    |
| 17       | 165113   | SEAL KIT/HYD. OIL FILTER          | 1    | 38       | 163113     | SCREW JOINT (SN AD04114 - AE02832)         | 1    |
| 18       | 165111   | HYDRAULIC OIL FILTER ELEMENT      | 1    |          | 161426     | SCREW JOINT (SN AD00001 - AD04113)         | 1    |
| 19       | 163001   | PRESSURE SWITCH                   | 1    |          |            |                                            |      |
| 20       | 651475   | SHCS M10-1.25 X 30 F8.8 ZY DIN912 | 2    |          |            |                                            |      |
| 21       | 162495   | SCREW JOINT                       | 1    |          |            |                                            |      |

# 3503/3703 HYDRAULIC PUMP EXTERNAL PARTS

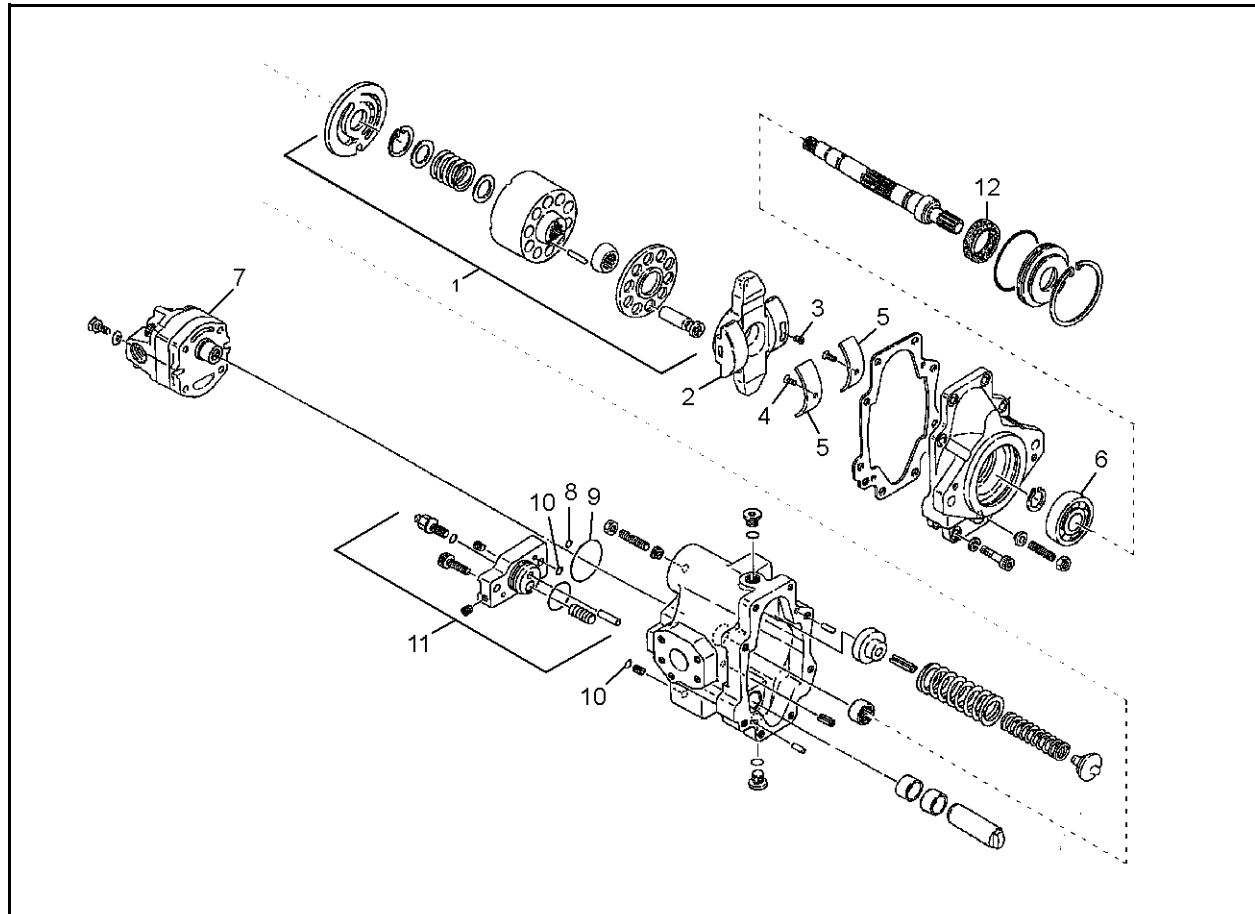
## 1000127254



| Ref.<br>No. | Part No. | Description                       | Qty. | Ref.<br>No. | Part No. | Description                               | Qty. |
|-------------|----------|-----------------------------------|------|-------------|----------|-------------------------------------------|------|
| 1           | 160871   | HYDRAULIC PUMP COMPLETE           | 1    | 9           | 161669   | LOCKWASHER S10                            | 4    |
| 2           | 179799   | HEX HEAD SOCKET PIPE PLUG         | 1    | 10          | 162590   | SEAL KIT/PISTON PUMP                      | 1    |
| 3           | 165965   | SCREW JOINT                       | 3    | 11          | 164945   | SCREW JOINT                               | 1    |
| 4           | 162706   | HYDRAULIC PUMP                    | 1    | 12          | 161443   | 90° FITTING                               | 1    |
| 5           | 179110   | GEAR PUMP                         | 1    | 13          | 165499   | REDUCTION JOINT<br>(SN AD00001 - AE02832) | 3    |
| 6           | 179059   | FLANGE                            | 1    | 14          | 179135   | O-RING                                    | 1    |
| 7           | 161565   | O-RING                            | 1    | 15          | 179873   | O-RING                                    | 1    |
| 8           | 651475   | SHCS M10-1.25 X 30 F8.8 ZY DIN912 | 4    |             |          |                                           |      |

# 3503/3703 - HYDRAULIC PUMP INTERNAL PARTS

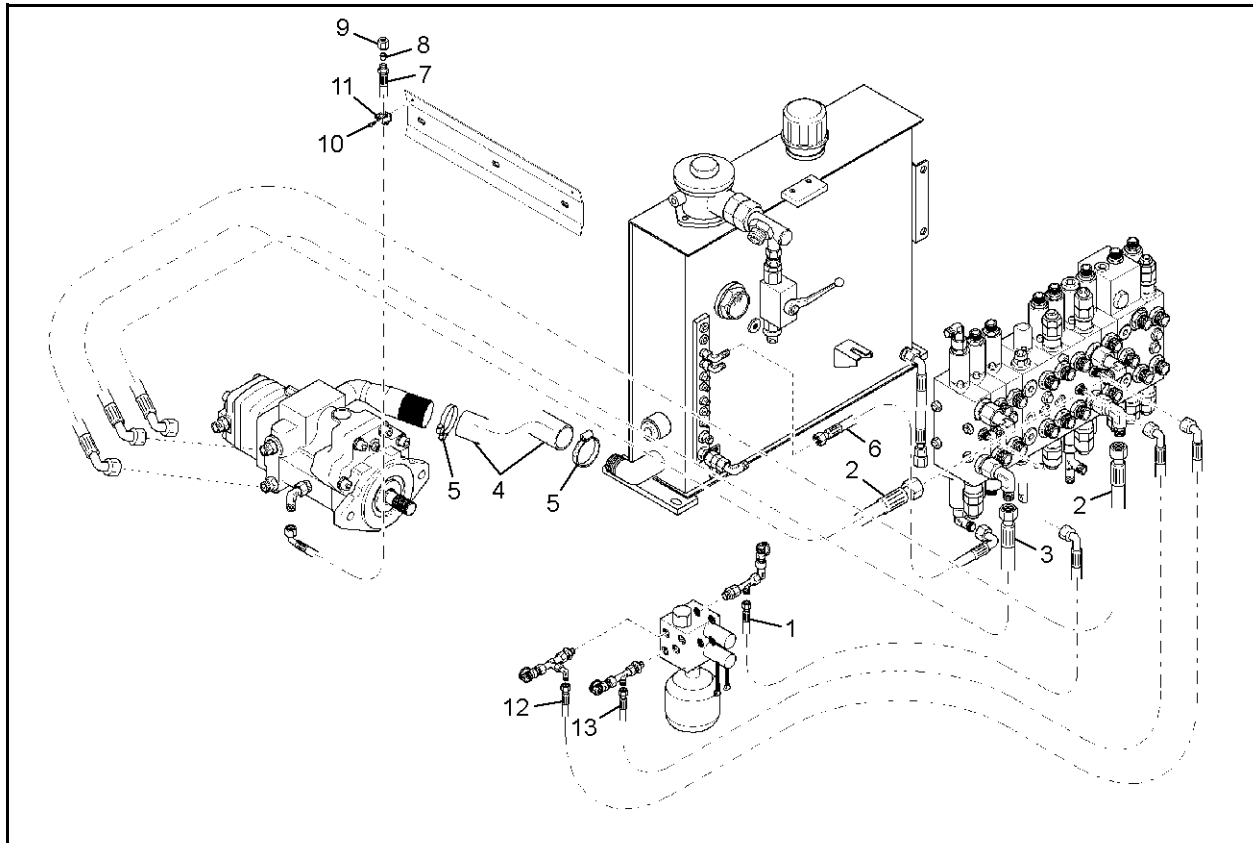
1000174771



| Ref.<br>No. | Part No. | Description | Qty. | Ref.<br>No. | Part No. | Description       | Qty. |
|-------------|----------|-------------|------|-------------|----------|-------------------|------|
| 1           | 204948   | DRIVE UNIT  | 1    | 7           | 179110   | GEAR PUMP         | 1    |
| 2           | 204970   | SWASH PLATE | 1    | 8           | 205701   | O-RING            | 1    |
| 3           | 205475   | SCREW       | 1    | 9           | 179135   | O-RING            | 1    |
| 4           | 205471   | SCREW       | 2    | 10          | 205701   | O-RING            | 3    |
| 5           | 204950   | BEARING     | 2    | 11          | 204944   | CONTROL HOUSING   | 1    |
| 6           | 204951   | BEARING     | 1    | 12          | 205702   | ROTARY SHAFT SEAL | 1    |

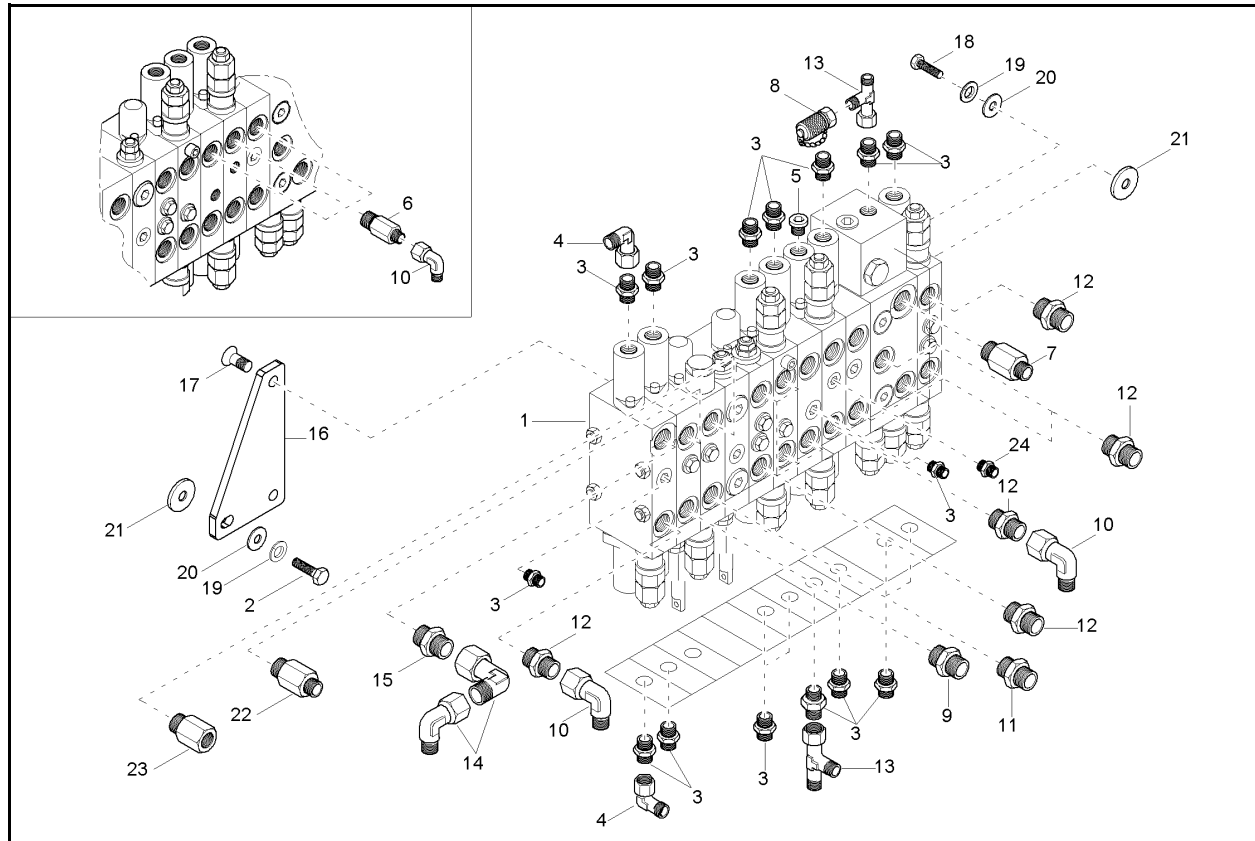
# 3503/3703 HYDRAULIC PUMP HOSE INSTALLATION

## 1000127291

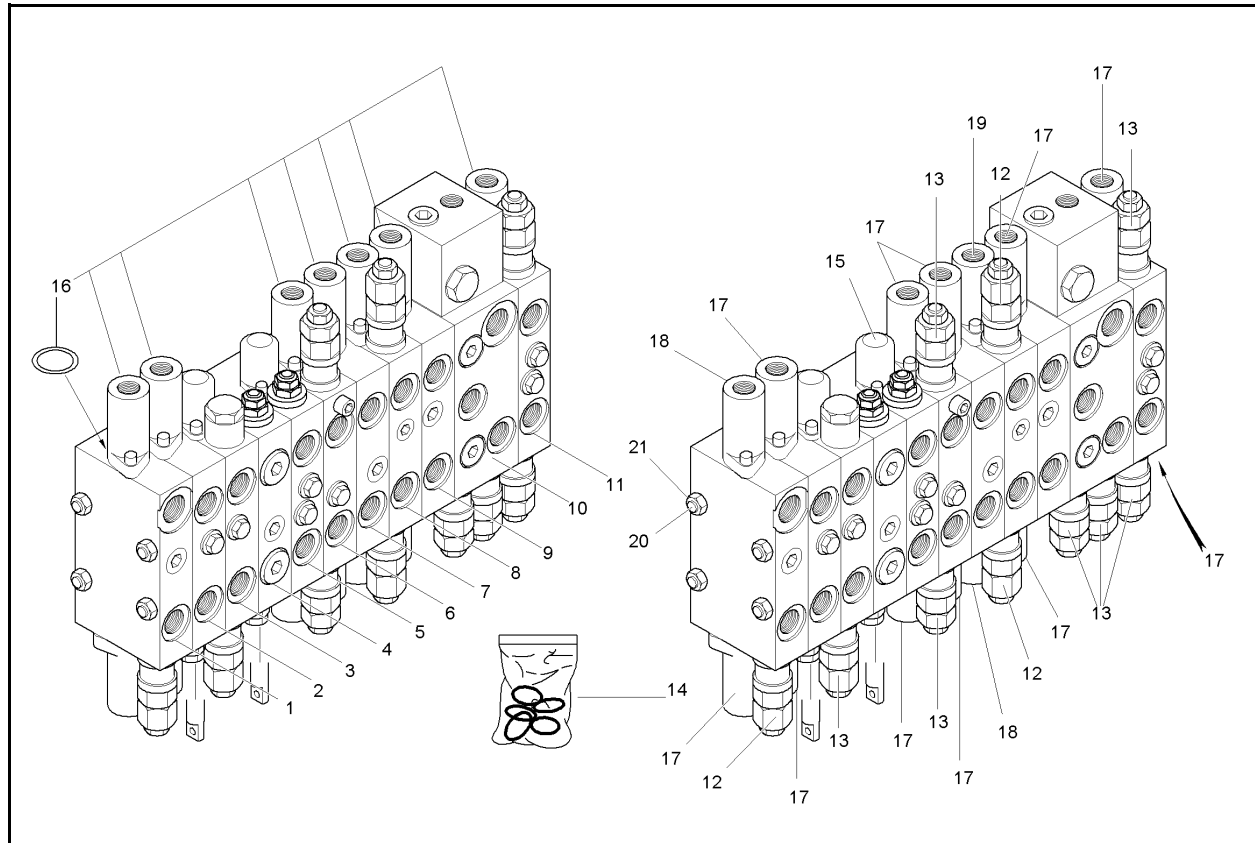


| Ref.<br>No. | Part No. | Description  | Qty. | Ref.<br>No. | Part No. | Description | Qty. |
|-------------|----------|--------------|------|-------------|----------|-------------|------|
| 1           | 161267   | HP HOSE      | 1    | 8           | 164929   | NUT         | 1    |
| 2           | 165884   | HP HOSE      | 2    | 9           | 164927   | PLUG        | 1    |
| 3           | 179592   | HP HOSE      | 1    | 10          | 162035   | SCREW       | 1    |
| 4           | 179064   | SUCTION HOSE | 1    | 11          | 162389   | CLAMP       | 1    |
| 5           | 179856   | HOSE CLAMP   | 2    | 12          | 207055   | HP HOSE     | 1    |
| 6           | 164804   | HP HOSE      | 1    | 13          | 161260   | HP HOSE     | 1    |
| 7           | 8002331G | HP HOSE      | 1    |             |          |             |      |

**3503/3703 - CONTROL VALVE** <http://truckmanualshub.com/>  
**1000139747 - (SN AD02608 AND UP)**

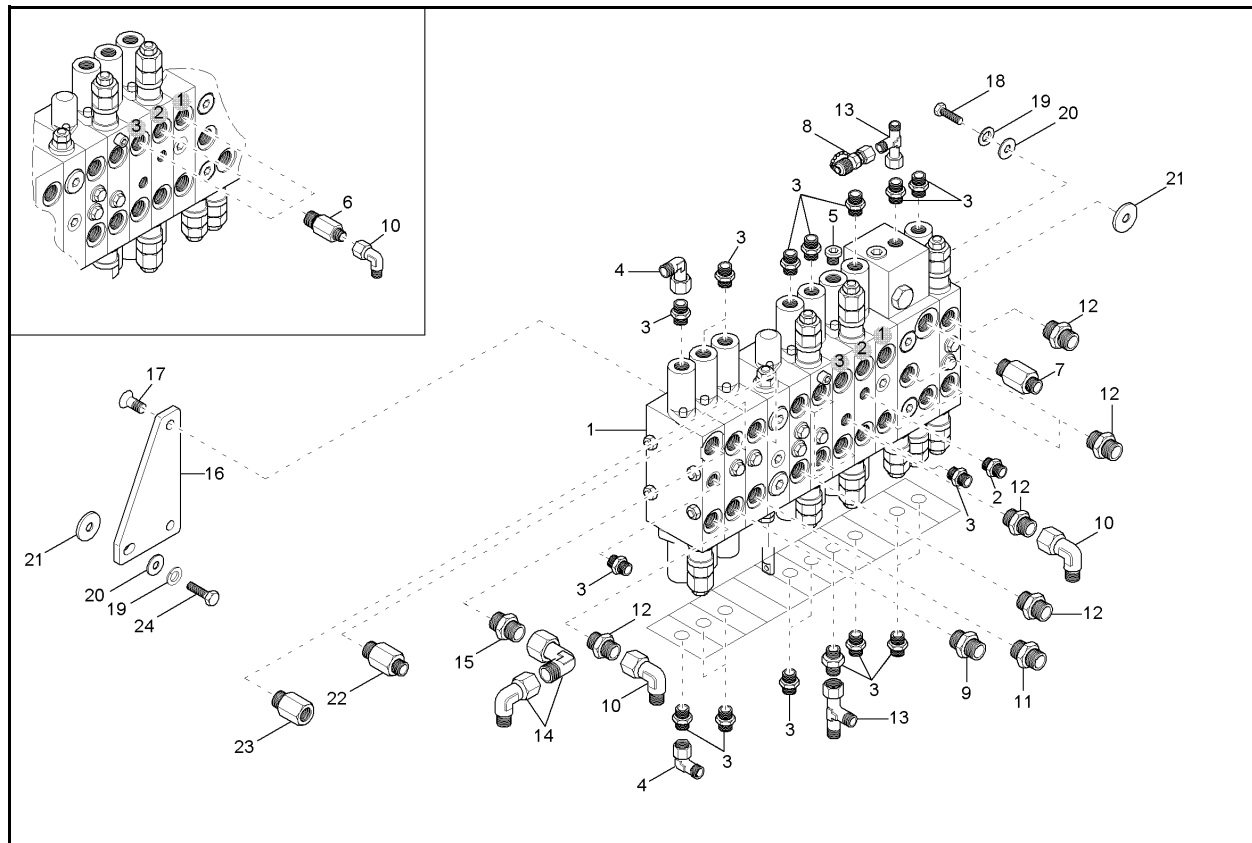


| Ref.<br>No. | Part No.   | Description             | Qty. | Ref.<br>No. | Part No. | Description                    | Qty. |
|-------------|------------|-------------------------|------|-------------|----------|--------------------------------|------|
| 1           | 176102     | CONTROL VALVE BLOCK     | 1    | 13          | 161448   | TEE                            | 2    |
| 2           | 651397     | CS M10-1.5 X 35 C8.8 ZY | 1    | 14          | 161456   | 90° FITTING                    | 2    |
| 3           | 164945     | SCREW JOINT             | 17   | 15          | 165968   | SCREW JOINT                    | 1    |
| 4           | 161443     | 90° FITTING             | 2    | 16          | 165065   | PLATE                          | 1    |
| 5           | 161414     | SCREW                   | 1    | 17          | 162041   | SCREW                          | 2    |
| 6           | 178966     | CONNECTOR               | 3    | 18          | 656008   | CS M10-1.5 X 30 C8.8 ZY DIN931 | 2    |
| 7           | 165504     | SCREW JOINT             | 1    | 19          | 161669   | LOCKWASHER S10                 | 4    |
| 8           | 0003638466 | TEST CONNECTION 8 L A3C | 1    | 20          | 163642   | WASHER                         | 3    |
| 9           | 165966     | SCREW JOINT             | 1    | 21          | 178967   | CORK WASHER                    | 3    |
| 10          | 161446     | 90° FITTING             | 5    | 22          | 165505   | SCREW JOINT                    | 1    |
| 11          | 161428     | SCREW JOINT 10L         | 1    | 23          | 165506   | SCREW JOINT                    | 1    |
| 12          | 165971     | SCREW JOINT             | 12   | 24          | 179814   | SCREW JOINT                    | 1    |

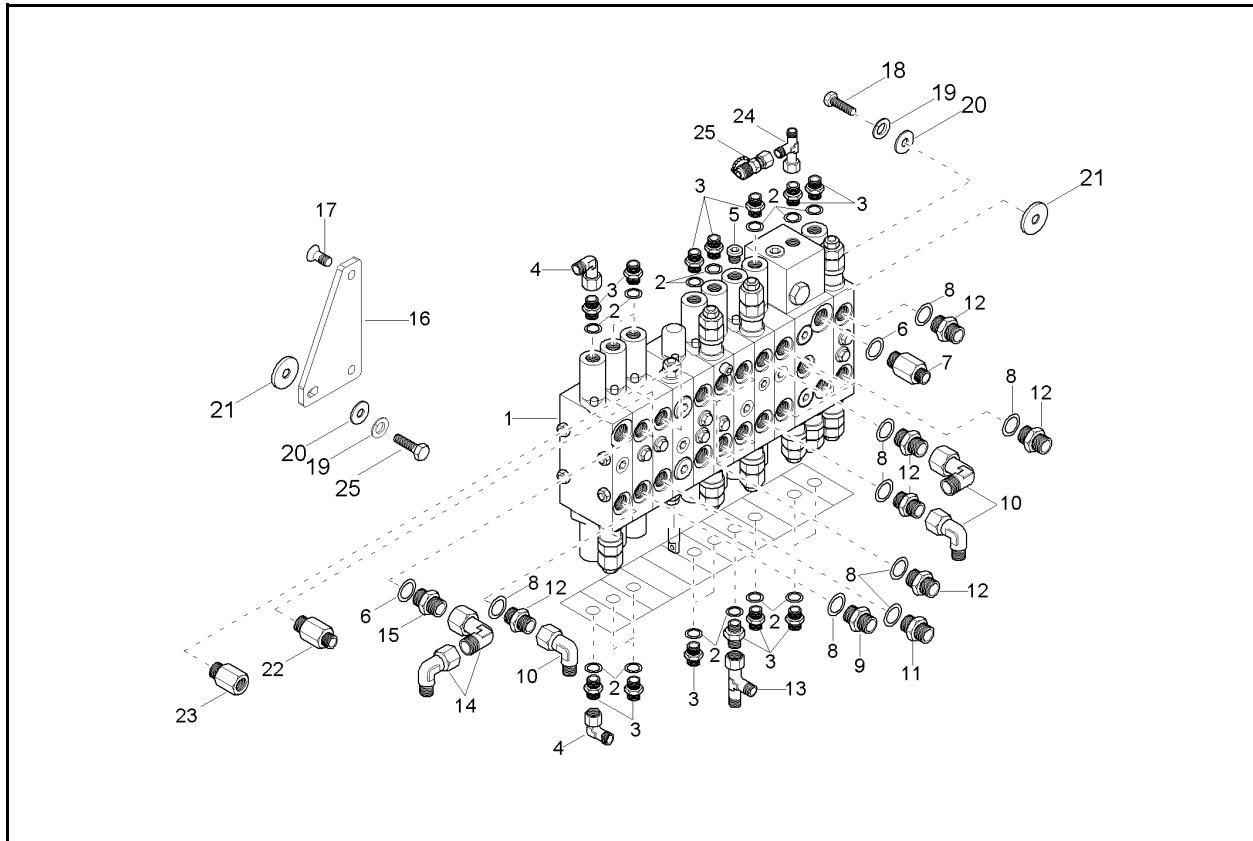


| Ref.<br>No. | Part No. | Description                  | Qty. | Ref.<br>No. | Part No. | Description             | Qty. |
|-------------|----------|------------------------------|------|-------------|----------|-------------------------|------|
| 1           | 165524   | AUXILIARY SEGMENT            | 1    | 12          | 165535   | MAIN PRESSURE CONTROL   | 3    |
| 2           | 165525   | SWIVEL SEGMENT               | 1    | 13          | 165536   | PRESSURE LIMITING VALVE | 7    |
| 3           | 207468   | DOZER BLADE SEGMENT          | 1    | 14          | 205976   | SEAL KIT CONTROL VALVE  | 1    |
| 4           | 165527   | AUXILIARY HYDRAULICS SEGMENT | 1    | 15          | 178971   | PILOT CONTROL CAP       | 1    |
| 5           | 165528   | AUXILIARY HYDRAULICS SEGMENT | 1    | 16          | 165541   | SEAL                    | 14   |
| 6           | 165529   | DIPPER STICK SEGMENT         | 1    | 17          | 178968   | PILOT CONTROL CAP       | 11   |
| 7           | 165530   | DRIVE SEGMENT (LT)           | 1    | 18          | 178969   | PILOT CONTROL CAP       | 2    |
| 8           | 165531   | INPUT SEGMENT                | 1    | 19          | 178970   | PILOT CONTROL CAP       | 1    |
| 9           | 165532   | DRIVE SEGMENT (RT)           | 1    | 20          | 205980   | TIE ROD                 | 4    |
| 10          | 165533   | BOOM SEGMENT                 | 1    | 21          | 178100   | NUT                     | 8    |
| 11          | 165534   | BUCKET SEGMENT               | 1    | 22          | 205117   | SHUT OFF VALVE          | 4    |

**3503/3703 - CONTROL VALVE** <http://truckmanualshub.com/>  
**1000127264 - (SN AD00147 - AD02607)**

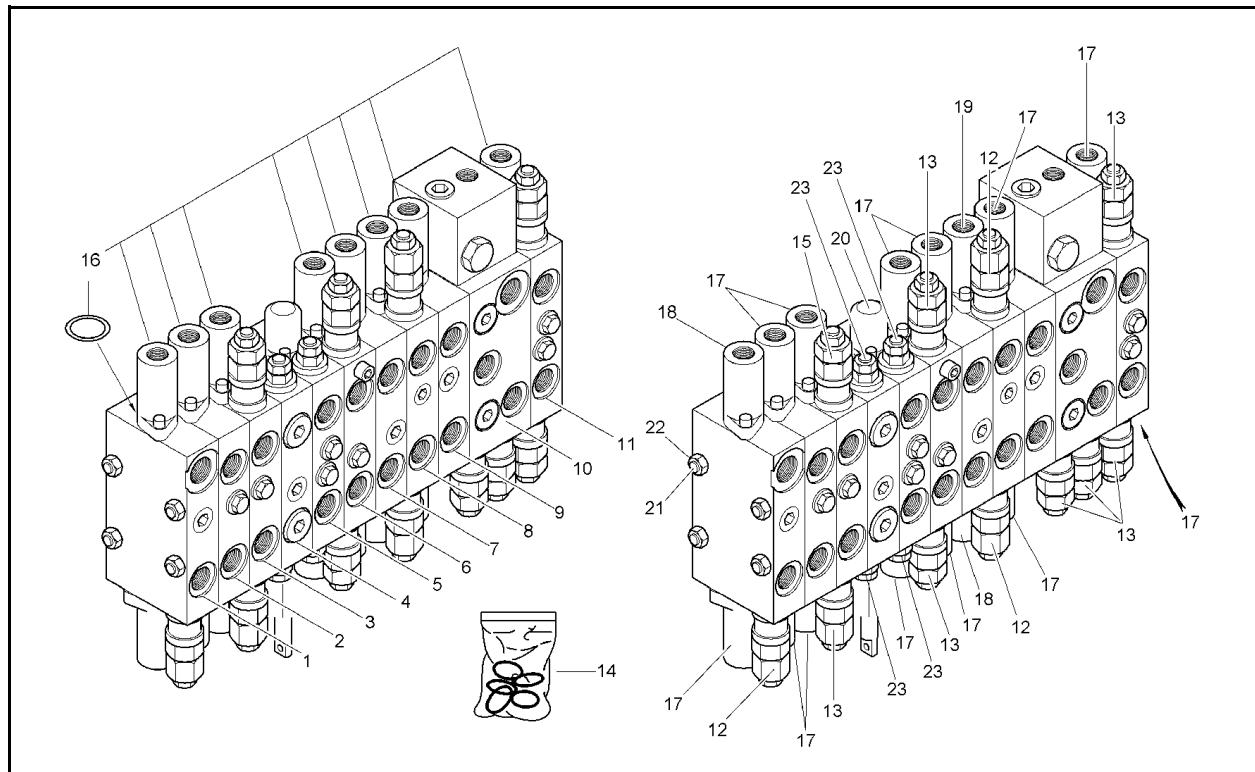


| Ref.<br>No. | Part No.   | Description             | Qty. | Ref.<br>No. | Part No. | Description                  | Qty. |
|-------------|------------|-------------------------|------|-------------|----------|------------------------------|------|
| 1           | 176102     | CONTROL VALVE BLOCK     | 1    | 13          | 161448   | TEE                          | 2    |
| 2           | 179814     | SCREW JOINT             | 1    | 14          | 161456   | 90° FITTING                  | 2    |
| 3           | 164945     | SCREW JOINT             | 17   | 15          | 165968   | SCREW JOINT                  | 1    |
| 4           | 161443     | 90° FITTING             | 2    | 16          | 165065   | PLATE                        | 1    |
| 5           | 161414     | SCREW                   | 1    | 17          | 162041   | SCREW                        | 2    |
| 6           | 178966     | CONNECTOR               | 3    | 18          | 656008   | CS M10-1.5X30 C8.8 ZY DIN931 | 2    |
| 7           | 165504     | SCREW JOINT             | 1    | 19          | 161669   | LOCKWASHER S10               | 4    |
| 8           | 0003638466 | TEST CONNECTION 8 L A3C | 1    | 20          | 163642   | WASHER                       | 3    |
| 9           | 165966     | SCREW JOINT             | 1    | 21          | 178967   | CORK WASHER                  | 3    |
| 10          | 161446     | 90° FITTING             | 5    | 22          | 165505   | SCREW JOINT                  | 1    |
| 11          | 161428     | SCREW JOINT 10L         | 1    | 23          | 165506   | SCREW JOINT                  | 1    |
| 12          | 165971     | SCREW JOINT             | 12   | 24          | 651397   | CS M10-1.5X35 C8.8 ZY        | 1    |



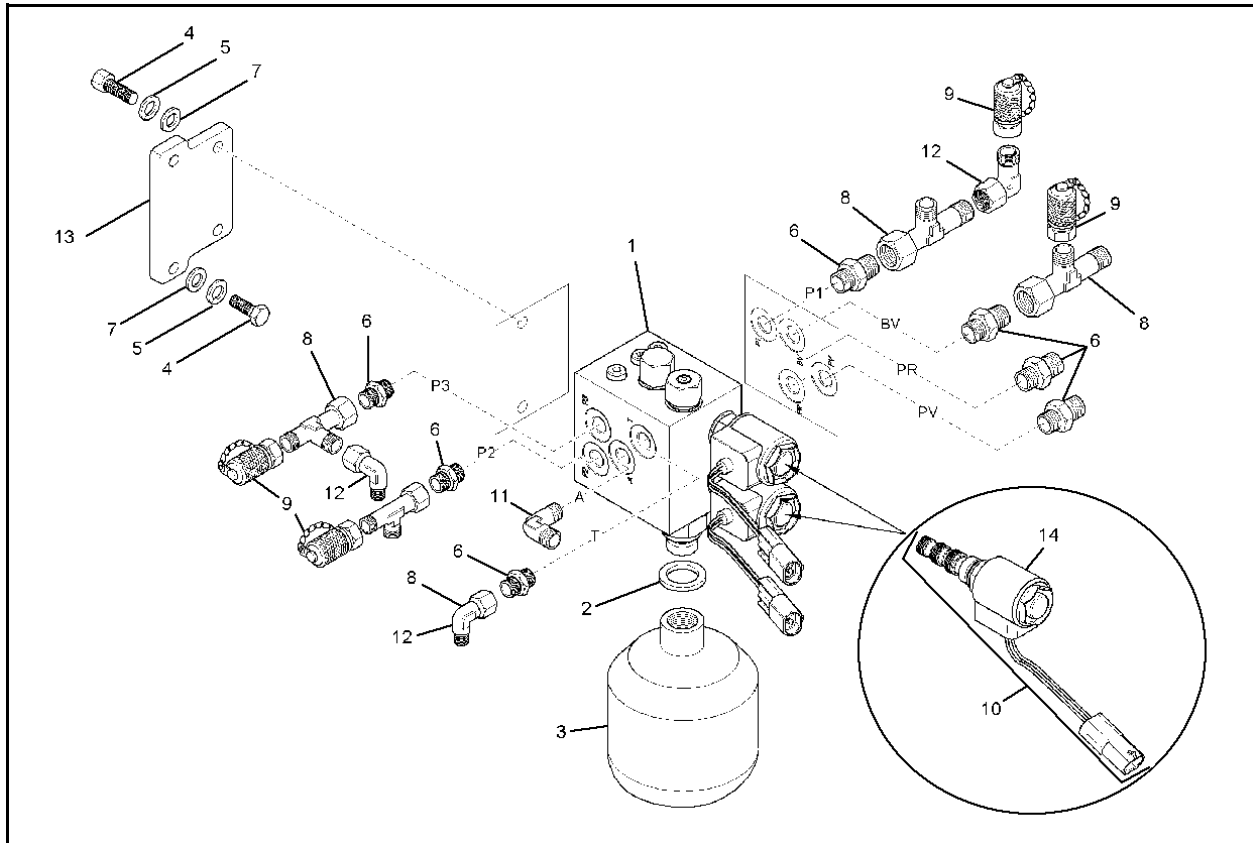
| Ref.<br>No. | Part No. | Description         | Qty. | Ref.<br>No. | Part No.   | Description                  | Qty. |
|-------------|----------|---------------------|------|-------------|------------|------------------------------|------|
| 1           | 176102   | CONTROL VALVE BLOCK | 1    | 14          | 161456     | 90° FITTING                  | 2    |
| 2           | 161574   | O-RING              | 17   | 15          | 165968     | SCREW JOINT                  | 1    |
| 3           | 164945   | SCREW JOINT         | 17   | 16          | 165065     | PLATE                        | 1    |
| 4           | 161443   | 90° FITTING         | 2    | 17          | 162041     | SCREW                        | 2    |
| 5           | 161414   | SCREW               | 1    | 18          | 656008     | CS M10-1.5X30 C8.8 ZY DIN931 | 2    |
| 6           | 161585   | O-RING              | 2    | 19          | 161669     | LOCKWASHER S10               | 3    |
| 7           | 165504   | SCREW JOINT         | 1    | 20          | 163642     | WASHER                       | 3    |
| 8           | 161590   | O-RING              | 19   | 21          | 178967     | CORK WASHER                  | 3    |
| 9           | 165966   | SCREW JOINT         | 1    | 22          | 165505     | SCREW JOINT                  | 1    |
| 10          | 161446   | 90° FITTING         | 3    | 23          | 165506     | SCREW JOINT                  | 1    |
| 11          | 161428   | SCREW JOINT 10L     | 1    | 24          | 161448     | TEE                          | 1    |
| 12          | 165971   | SCREW JOINT         | 15   | 25          | 0003638466 | TEST CONNECTION 8 L A3C      | 1    |
| 13          | 161448   | TEE                 | 1    | 26          | 651397     | CS M10-1.5X35 C8.8 ZY        | 1    |

**3503/3703 - CONTROL VALVE** <http://truckmanualshub.com/>  
**1000127265 - (SN AD02607 AND BEFORE)**



| Ref.<br>No. | Part No. | Description                  | Qty. |
|-------------|----------|------------------------------|------|
| 1           | 165524   | AUXILIARY SEGMENT            | 1    |
| 2           | 165525   | SWIVEL SEGMENT               | 1    |
| 3           | 165526   | SEGMENT                      | 1    |
| 4           | 165527   | AUXILIARY HYDRAULICS SEGMENT | 1    |
| 5           | 165528   | AUXILIARY HYDRAULICS SEGMENT | 1    |
| 6           | 165529   | DIPPER STICK SEGMENT         | 1    |
| 7           | 165530   | DRIVE SEGMENT (LT)           | 1    |
| 8           | 165531   | INPUT SEGMENT                | 1    |
| 9           | 165532   | DRIVE SEGMENT (RT)           | 1    |
| 10          | 165533   | BOOM SEGMENT                 | 1    |
| 11          | 165534   | BUCKET SEGMENT               | 1    |
| 12          | 165535   | MAIN PRESSURE CONTROL        | 3    |

| Ref.<br>No. | Part No. | Description             | Qty. |
|-------------|----------|-------------------------|------|
| 13          | 165536   | PRESSURE LIMITING VALVE | 7    |
| 14          | 205976   | SEAL KIT CONTROL VALVE  | 1    |
| 15          | 165543   | NON RETURN VALVE        | 1    |
| 16          | 165541   | SEAL                    | 16   |
| 17          | 178968   | PILOT CONTROL CAP       | 13   |
| 18          | 178969   | PILOT CONTROL CAP       | 2    |
| 19          | 178970   | PILOT CONTROL CAP       | 1    |
| 20          | 178971   | PILOT CONTROL CAP       | 1    |
| 21          | 205980   | TIE ROD                 | 4    |
| 22          | 178100   | NUT                     | 8    |
| 23          | 205117   | SHUT OFF VALVE          | 4    |

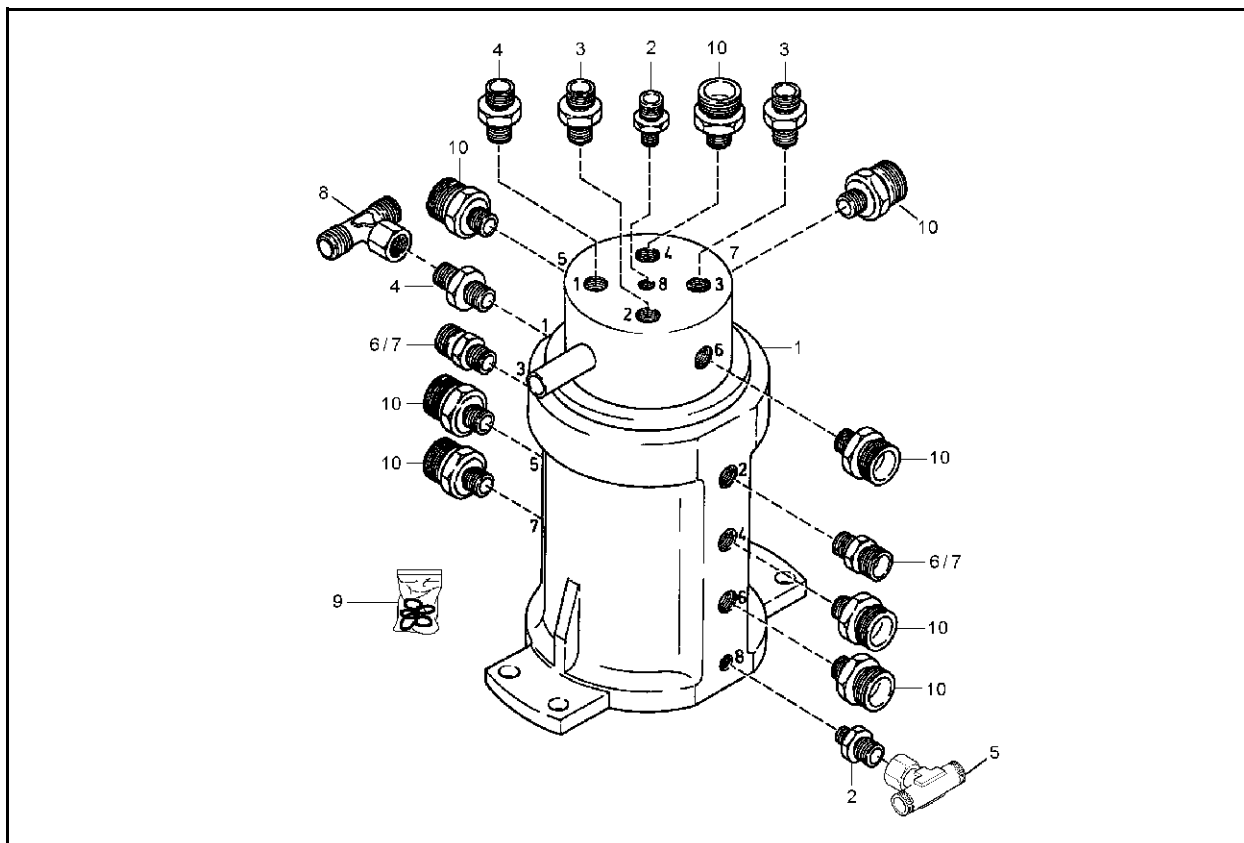


| Ref. No. | Part No. | Description           | Qty. | Ref. No. | Part No.   | Description             | Qty. |
|----------|----------|-----------------------|------|----------|------------|-------------------------|------|
| 1        | 165045   | PILOT OIL SUPPLY UNIT | 1    | 8        | 161448     | TEE                     | 4    |
| 2        | 161567   | SEAL                  | 1    | 9        | 0003638466 | TEST CONNECTION 8 L A3C | 4    |
| 3        | 160437   | ACCUMULATOR           | 1    | 10       | 165043     | SOLENOID SWITCH         | 2    |
| 4        | 177648   | HEX SCREW             | 4    | 11       | 161438     | ELBOW                   | 1    |
| 5        | 163670   | LOCKWASHER            | 4    | 12       | 161443     | 90° FITTING             | 3    |
| 6        | 161426   | SCREW JOINT           | 7    | 13       | 162790     | PLATE                   | 1    |
| 7        | 163634   | WASHER                | 4    | 14       | 177412     | SOLENOID PIVOT VALVE    | 2    |

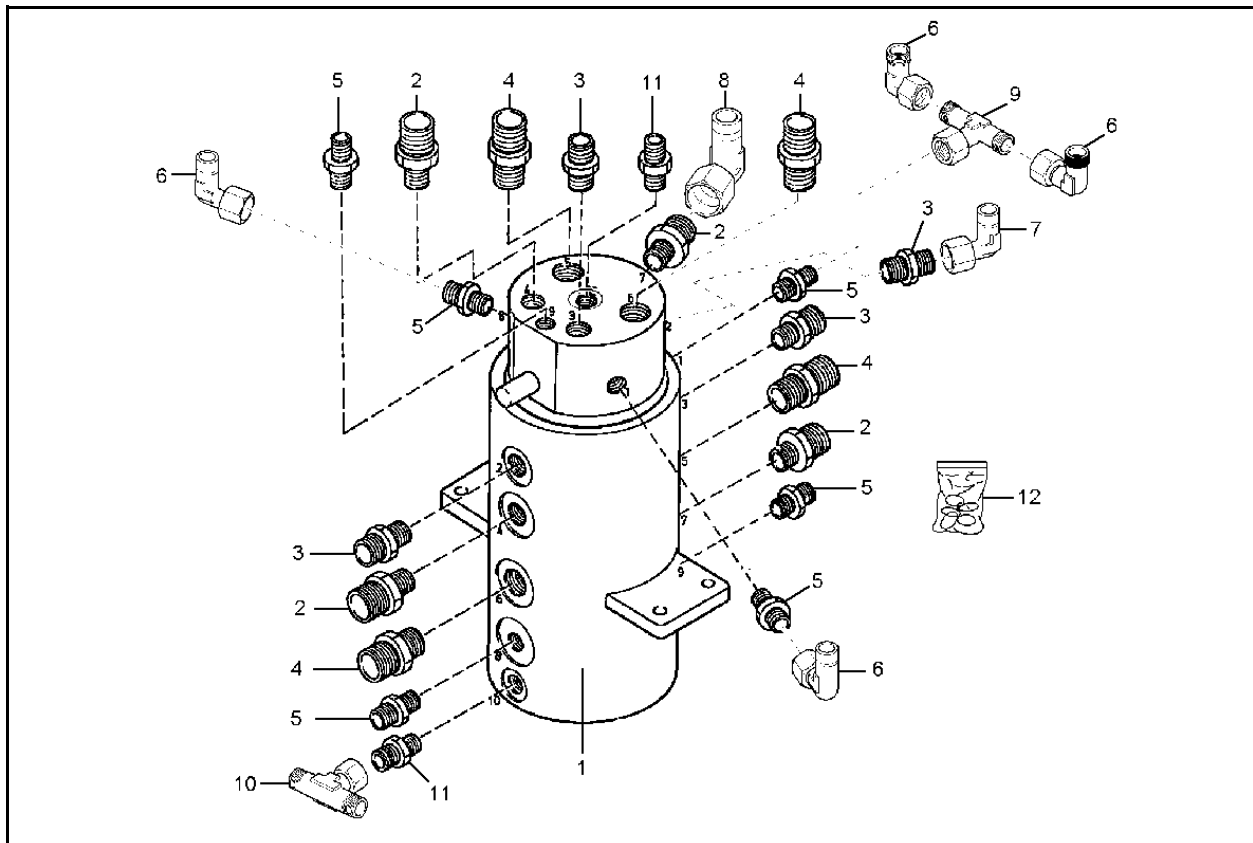
# 3503 - SWIVEL JOINT

## 1000127256

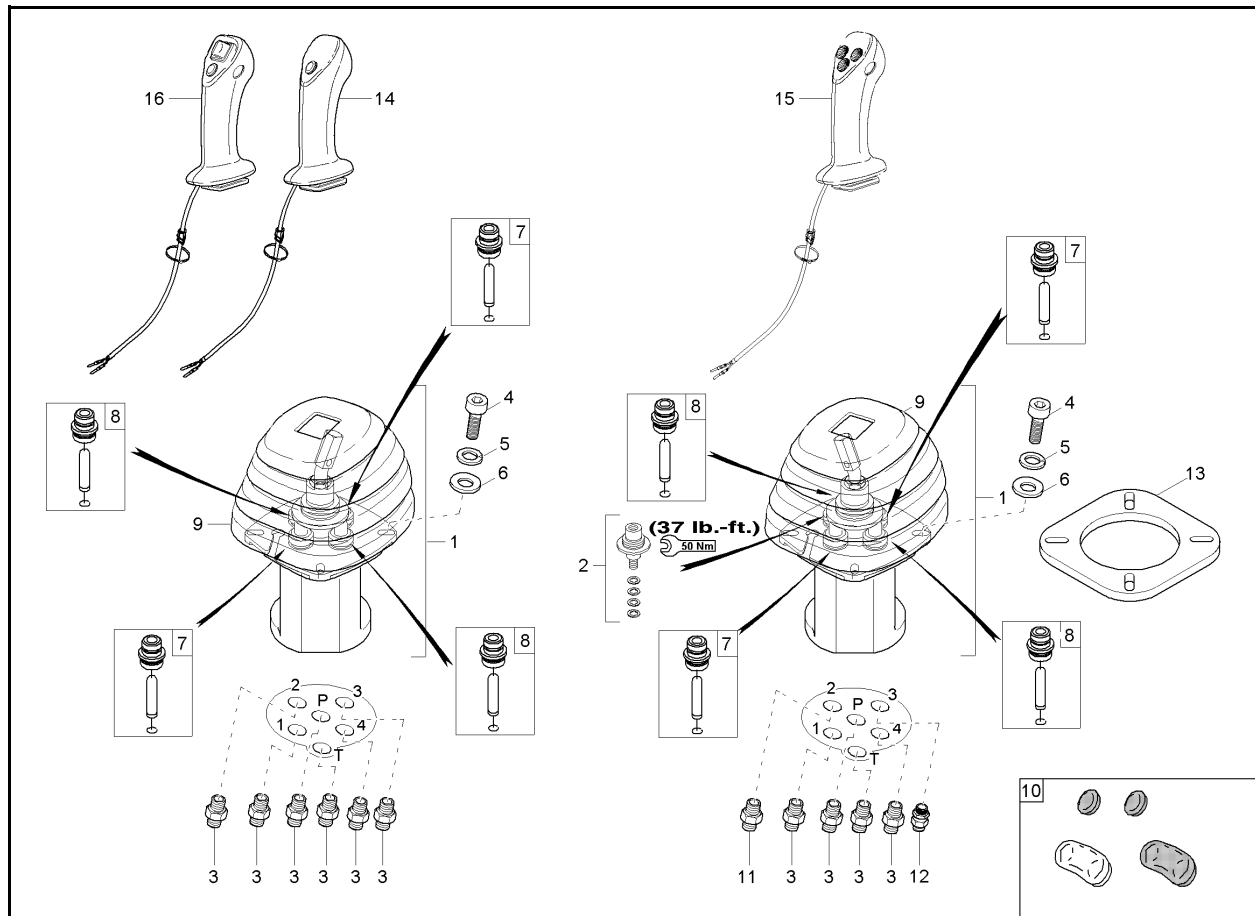
<https://truckmanualshub.com/>



| Ref.<br>No. | Part No. | Description                               | Qty. | Ref.<br>No. | Part No.   | Description                                              | Qty. |
|-------------|----------|-------------------------------------------|------|-------------|------------|----------------------------------------------------------|------|
| 1           | 207053   | SWIVEL JOINT<br>(SN AD00001 - AE02832)    | 1    | 7           | 161428     | SCREW JOINT 10L                                          | 2    |
| 2           | 161426   | SCREW JOINT                               | 2    | 8           | 0003631620 | SCREW CONN. ET 10 L O.M S A3C<br>(SN AD04114 - AE02832)  | 1    |
| 3           | 161428   | SCREW JOINT 10L                           | 2    |             | 161450     | TEE<br>(SN AD00001 - AD04113)                            | 1    |
| 4           | 161428   | SCREW JOINT 10L<br>(SN AD04114 - AE02832) | 2    | 9           | 207054     | SEAL KIT/SWIVEL JOINT COMPLETE<br>(SN AD03467 - AE02832) | 1    |
|             | 161427   | SCREW JOINT<br>(SN AD00001 - AD04113)     | 2    |             | 178127     | SEAL KIT/SWIVEL JOINT COMPLETE<br>(SN AD00001 - AD03466) | 1    |
| 5           | 161450   | TEE                                       | 1    | 10          | 161463     | SCREW JOINT                                              | 8    |
| 6           | 161429   | SCREW JOINT 12L                           | 2    |             |            |                                                          |      |

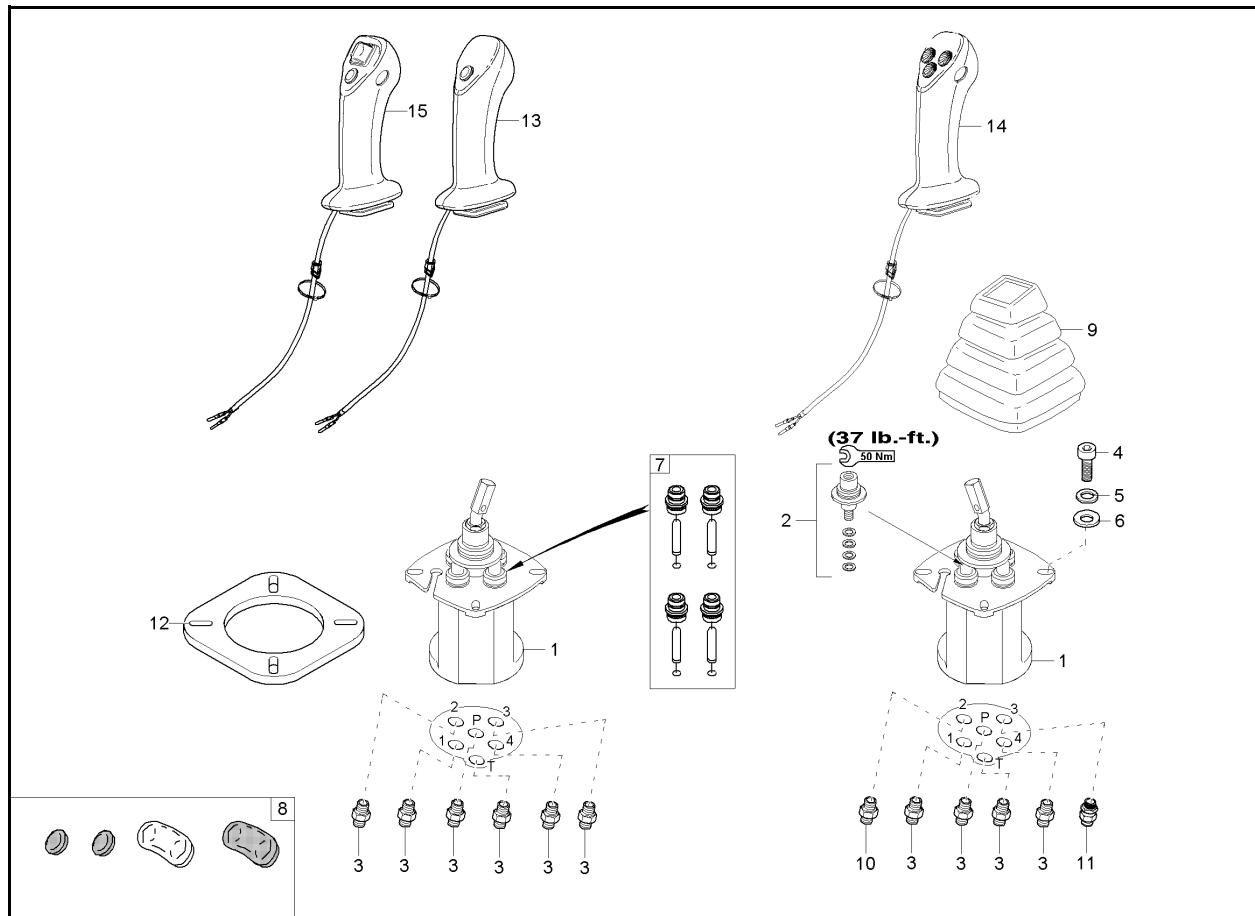


| Ref. |          |                 |      | Ref. |            |                                                         |      |
|------|----------|-----------------|------|------|------------|---------------------------------------------------------|------|
| No.  | Part No. | Description     | Qty. | No.  | Part No.   | Description                                             | Qty. |
| 1    | 165590   | SWIVEL JOINT II | 1    | 9    | 161450     | TEE                                                     | 1    |
| 2    | 161463   | SCREW JOINT     | 4    | 10   | 0003631620 | SCREW CONN. ET 10 L O.M S A3C<br>(SN AD04114 - AE02832) | 1    |
| 3    | 161428   | SCREW JOINT 10L | 4    |      | 161450     | TEE<br>(SN AD000001 - AD04113)                          | 1    |
| 4    | 161431   | SCREW JOINT     | 4    | 11   | 163113     | SCREW JOINT<br>(SN AD04114 - AE02832)                   | 2    |
| 5    | 161426   | SCREW JOINT     | 8    |      | 161426     | SCREW JOINT<br>(SN AD000001 - AD04113)                  | 2    |
| 6    | 161443   | 90° FITTING     | 2    | 12   | 165704     | SEAL KIT                                                | 1    |
| 7    | 161444   | 90° FITTING     | 1    |      |            |                                                         |      |
| 8    | 161446   | 90° FITTING     | 1    |      |            |                                                         |      |



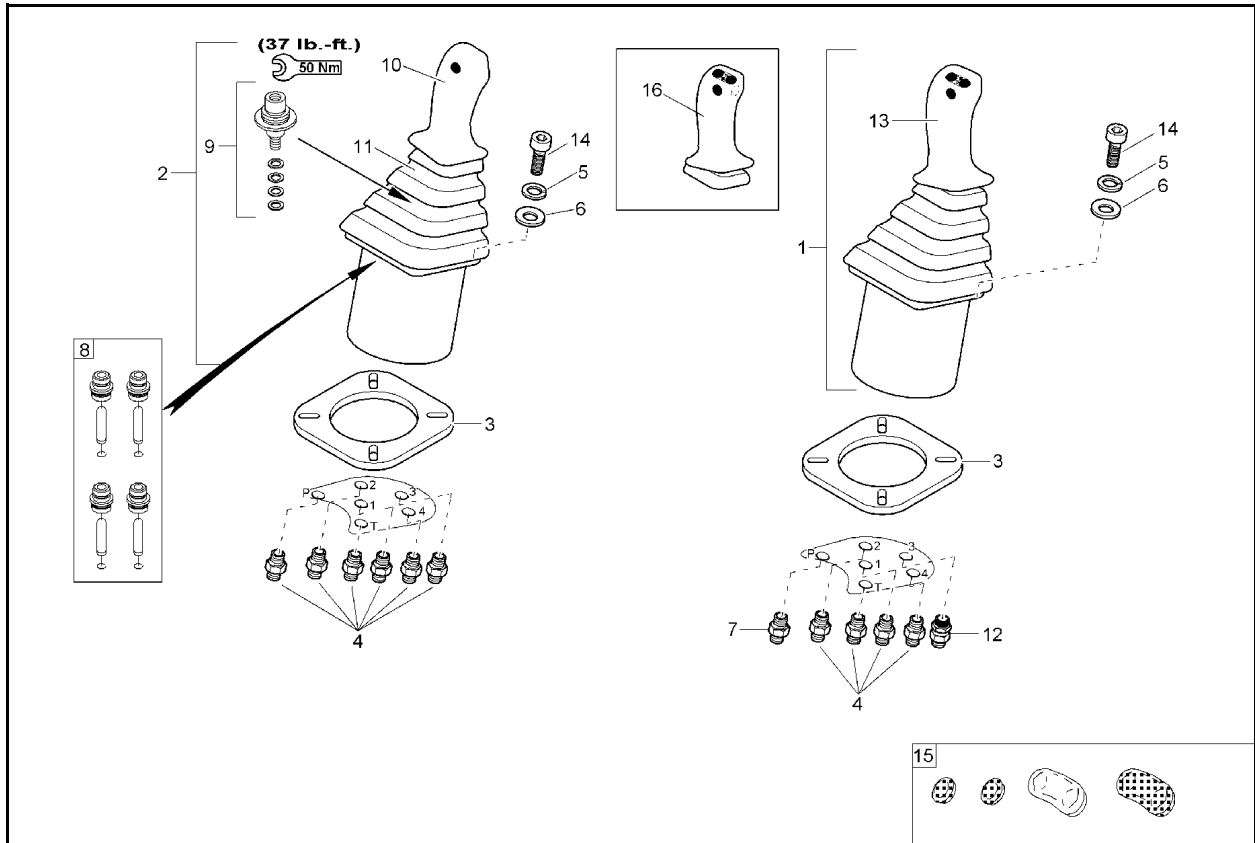
| Ref.<br>No. | Part No. | Description                   | Qty. |
|-------------|----------|-------------------------------|------|
| 1           | 205869   | VALVE                         | 2    |
| 2           | 165037   | UNIVERSAL JOINT               | 2    |
| 3           | 161426   | SCREW JOINT                   | 10   |
| 4           | 651507   | SHCS M6-1 X 20 C8.8 ZY DIN912 | 8    |
| 5           | 161675   | LOCKWASHER S6                 | 8    |
| 6           | 161660   | WASHER GR A6.4 ZO DIN 125     | 8    |
| 7           | 205999   | PLUNGER KIT                   | 2    |
| 8           | 205998   | PLUNGER KIT                   | 2    |

| Ref.<br>No. | Part No. | Description                  | Qty. |
|-------------|----------|------------------------------|------|
| 9           | 206002   | BELLOW                       | 2    |
| 10          | 177652   | RUBBER CAP                   | 2    |
| 11          | 164535   | PILOT CONTROL RESTRICTOR     | 1    |
| 12          | 165976   | RESTRICTOR                   | 1    |
| 13          | 178874   | PLATE                        | 2    |
| 14          | 165039   | JOYSTICK LT                  | 1    |
| 15          | 165816   | JOYSTICK RT                  | 1    |
| 16          | 201832   | KIT/JOYSTICK LT/PROPORTIONAL | 1    |

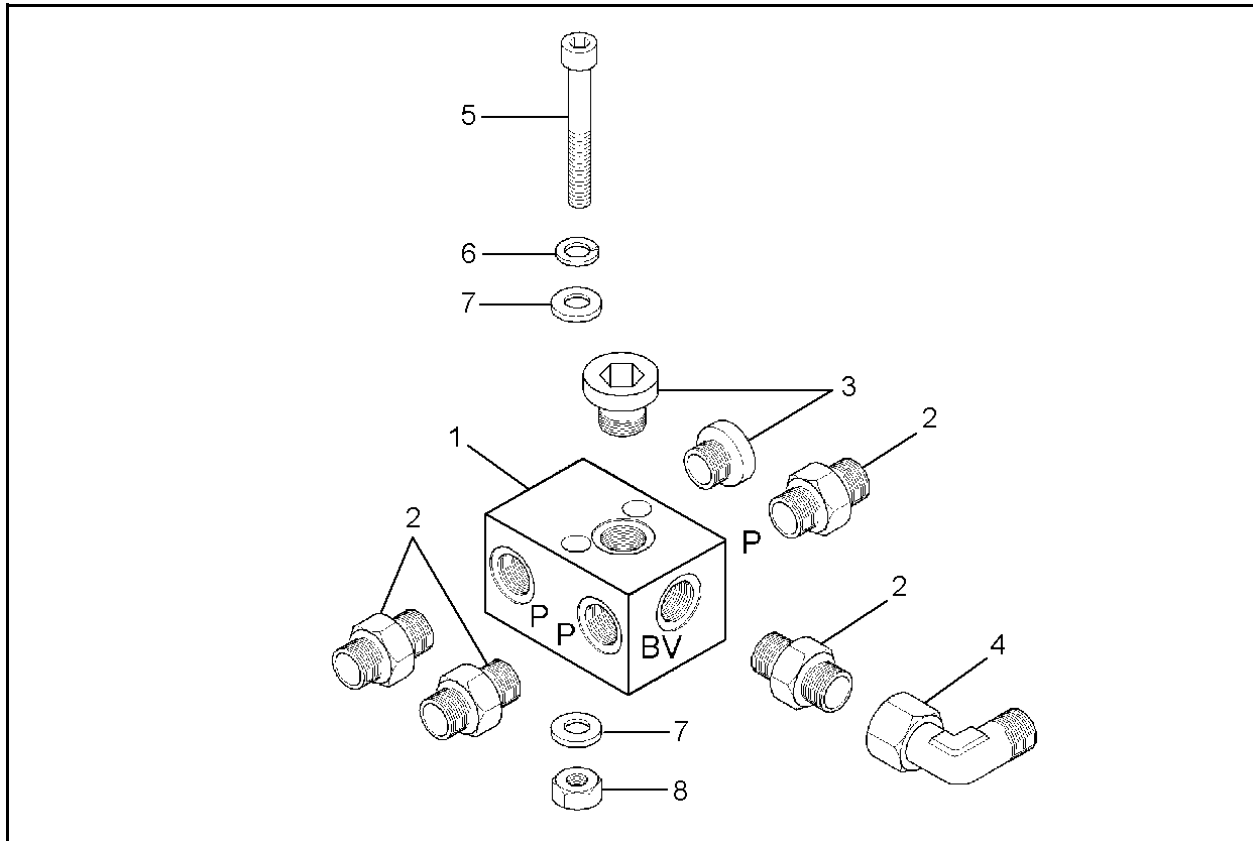


| Ref. No. | Part No. | Description                   | Qty. |
|----------|----------|-------------------------------|------|
| 1        | 205531   | VALVE                         | 2    |
| 2        | 165037   | UNIVERSAL JOINT               | 2    |
| 3        | 161426   | SCREW JOINT                   | 10   |
| 4        | 651507   | SHCS M6-1 X 20 C8.8 ZY DIN912 | 8    |
| 5        | 161675   | LOCKWASHER S6                 | 8    |
| 6        | 161660   | WASHER GR A6.4 ZO DIN 125     | 8    |
| 7        | 165040   | PILOT VALVE SEAL KIT          | 2    |
| 8        | 177652   | RUBBER CAP                    | 2    |

| Ref. No. | Part No. | Description              | Qty. |
|----------|----------|--------------------------|------|
| 9        | 165038   | BELLOWS                  | 2    |
| 10       | 164535   | PILOT CONTROL RESTRICTOR | 1    |
| 11       | 165976   | RESTRICTOR               | 1    |
| 12       | 178874   | PLATE                    | 2    |
| 13       | 165039   | JOYSTICK LT              | 1    |
| 14       | 165816   | JOYSTICK RT              | 1    |
| 15       | 165044   | JOYSTICK LT/PROPORTIONAL | 1    |



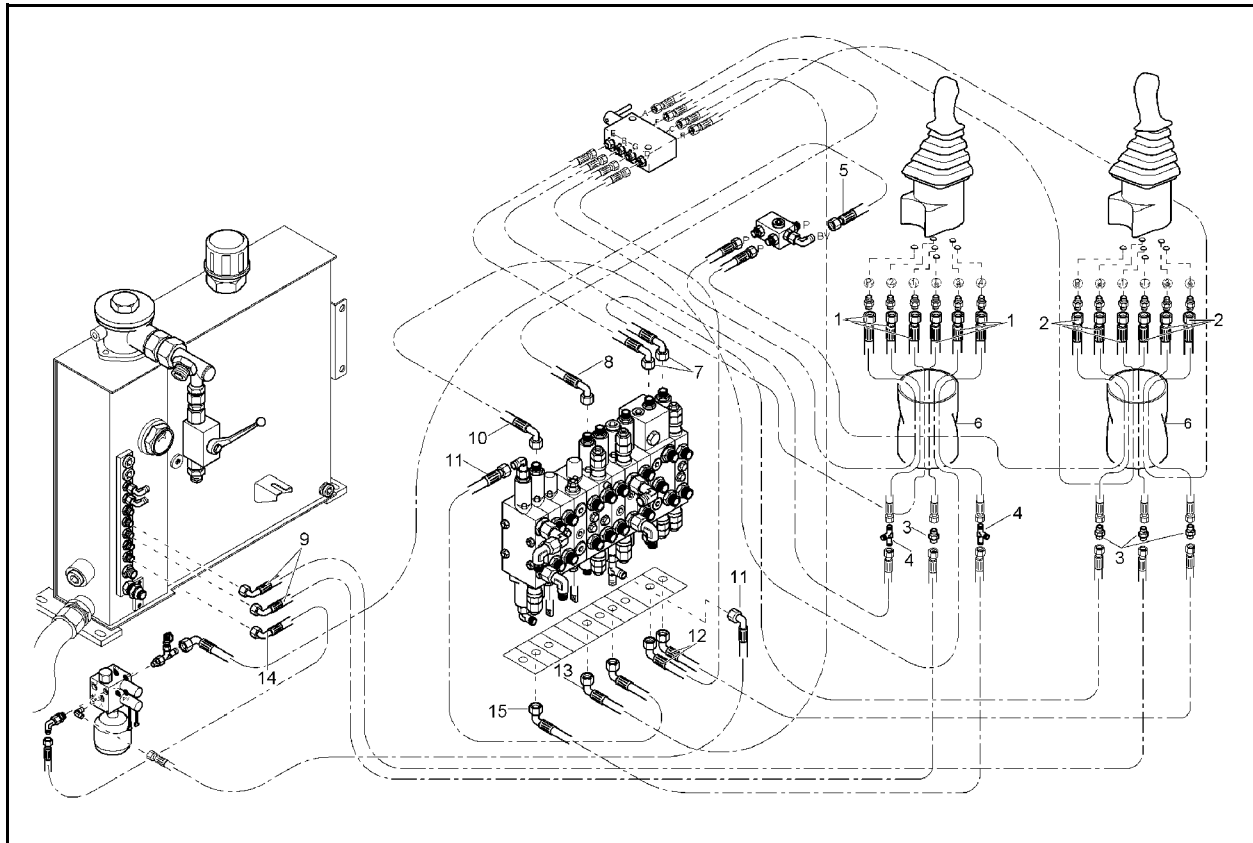
| Ref. |          |                                                |      | Ref. |          |                               |      |
|------|----------|------------------------------------------------|------|------|----------|-------------------------------|------|
| No.  | Part No. | Description                                    | Qty. | No.  | Part No. | Description                   | Qty. |
| 1    | 178786   | JOYSTICK COMPLETE RT<br>(SN AD00199 - AD02607) | 1    | 7    | 164535   | PILOT CONTROL RESTRICTOR      | 1    |
|      | 165489   | JOYSTICK COMPLETE RT<br>(SN AD00001 - AD00198) | 1    | 8    | 165040   | PILOT VALVE SEAL KIT          | 2    |
| 2    | 178769   | JOYSTICK COMPLETE LT<br>(SN AD00199 - AD02607) | 1    | 9    | 165037   | UNIVERSAL JOINT               | 2    |
|      | 160761   | JOYSTICK COMPLETE LT<br>(SN AD00001 - AD00198) | 1    | 10   | 165039   | JOYSTICK                      | 1    |
| 3    | 178874   | PLATE                                          | 2    | 11   | 165038   | BELLOWS                       | 2    |
| 4    | 161426   | SCREW JOINT                                    | 10   | 12   | 165976   | RESTRICTOR                    | 1    |
| 5    | 161675   | LOCKWASHER S6                                  | 8    | 13   | 165816   | HANDLE                        | 1    |
| 6    | 161660   | WASHER GR A6.4 ZO DIN 125                      | 8    | 14   | 651507   | SHCS M6-1 X 20 C8.8 ZY DIN912 | 8    |
|      |          |                                                |      | 15   | 177652   | RUBBER CAP                    | 2    |
|      |          |                                                |      | 16   | 165044   | HANDLE (OPTION)               | 1    |



| Ref.<br>No. | Part No. | Description    | Qty. | Ref.<br>No. | Part No. | Description               | Qty. |
|-------------|----------|----------------|------|-------------|----------|---------------------------|------|
| 1           | 165089   | MANIFOLD BLOCK | 1    | 5           | 165924   | SCREW                     | 2    |
| 2           | 161426   | SCREW JOINT    | 4    | 6           | 161675   | LOCKWASHER S6             | 2    |
| 3           | 161414   | SCREW          | 2    | 7           | 161660   | WASHER GR A6.4 ZO DIN 125 | 2    |
| 4           | 161443   | 90° FITTING    | 1    | 8           | 161678   | HN M6-1.00 C8 ZO          | 2    |

# 3503/3703 - JOYSTICK HOSE INSTALLATION

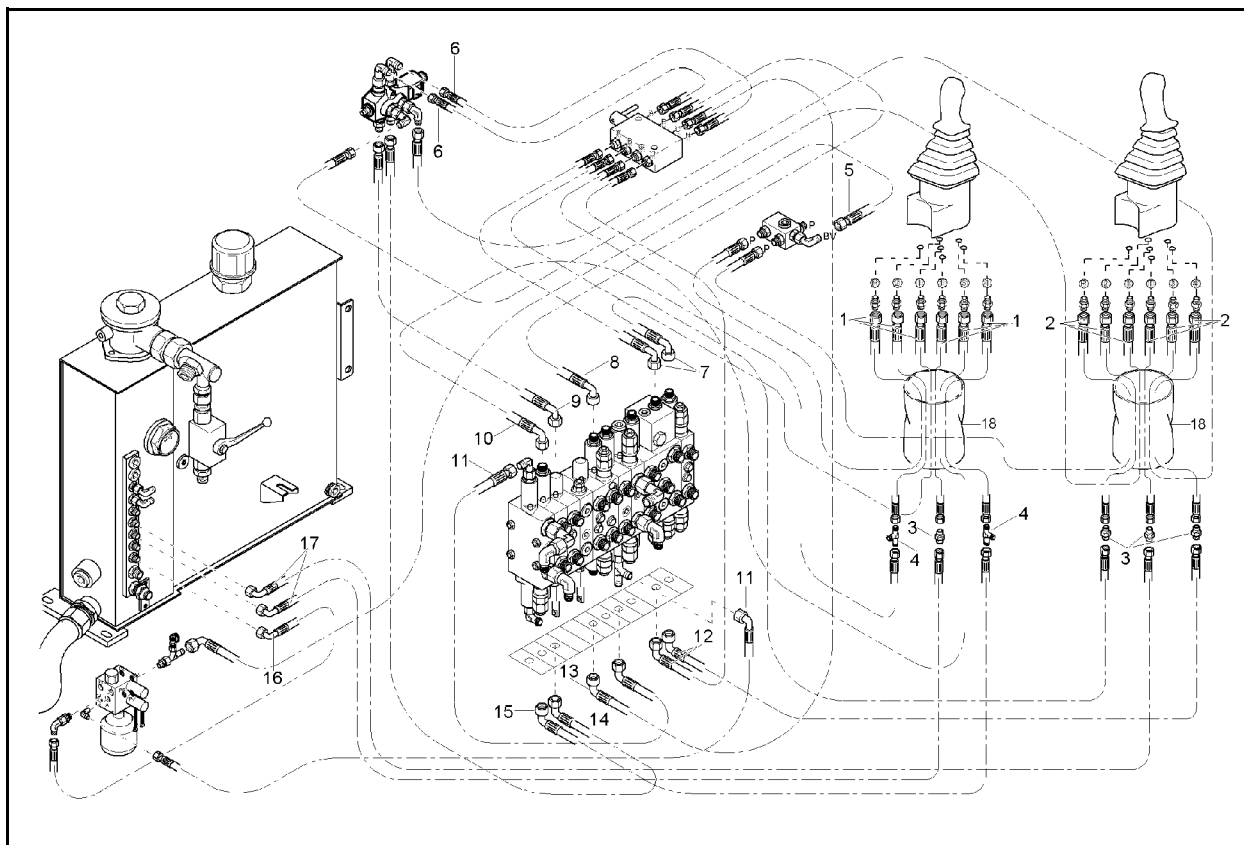
## 1000139373 - (SN AD02608 AND UP)



| Ref.<br>No. | Part No. | Description     | Qty. | Ref.<br>No. | Part No. | Description | Qty. |
|-------------|----------|-----------------|------|-------------|----------|-------------|------|
| 1           | 165828   | HP HOSE         | 6    | 9           | 161350   | HP HOSE     | 2    |
| 2           | 161224   | HP HOSE         | 6    | 10          | 162445   | HP HOSE     | 1    |
| 3           | 161479   | SCREW JOINT     | 4    | 11          | 165894   | HP HOSE     | 2    |
| 4           | 161465   | TEE             | 2    | 12          | 162956   | HP HOSE     | 2    |
| 5           | 165830   | HP HOSE         | 1    | 13          | 163288   | HP HOSE     | 1    |
| 6           | 164892   | PROTECTION HOSE | 2    | 14          | 161351   | HP HOSE     | 1    |
| 7           | 161220   | HP HOSE         | 2    | 15          | 163289   | HP HOSE     | 1    |
| 8           | 161276   | HP HOSE         | 1    |             |          |             |      |

# 3503/3703 JOYSTICK HOSE INSTALLATION

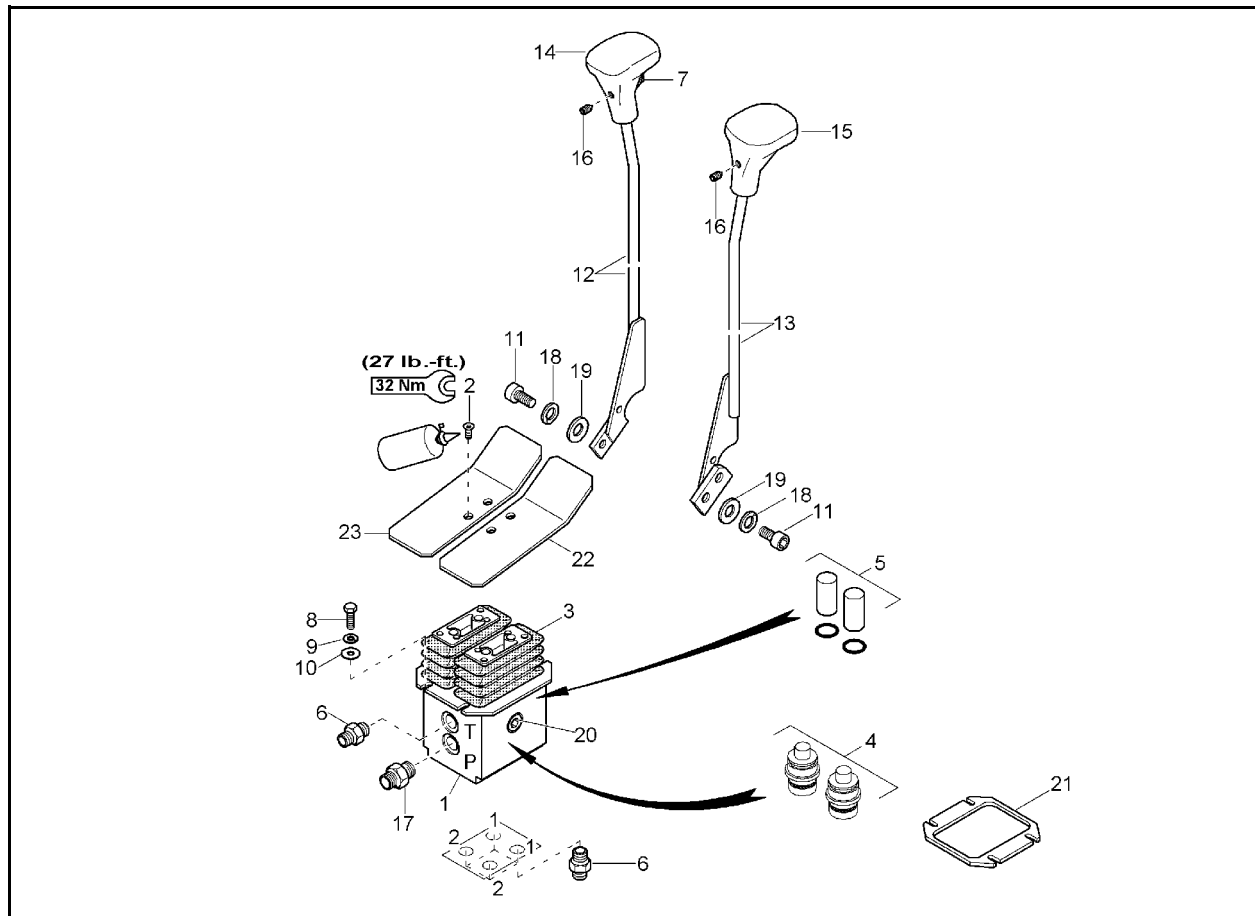
## 1000127304 - (SN AD00001 - AD02607)



| Ref.<br>No. | Part No. | Description | Qty. | Ref.<br>No. | Part No. | Description     | Qty. |
|-------------|----------|-------------|------|-------------|----------|-----------------|------|
| 1           | 165828   | HP HOSE     | 6    | 10          | 162445   | HP HOSE         | 1    |
| 2           | 161224   | HP HOSE     | 6    | 11          | 165894   | HP HOSE         | 2    |
| 3           | 161479   | SCREW JOINT | 4    | 12          | 162956   | HP HOSE         | 2    |
| 4           | 161465   | TEE         | 2    | 13          | 163288   | HP HOSE         | 1    |
| 5           | 165830   | HP HOSE     | 1    | 14          | 163290   | HP HOSE         | 1    |
| 6           | 161236   | HP HOSE     | 2    | 15          | 163289   | HP HOSE         | 1    |
| 7           | 161220   | HP HOSE     | 2    | 16          | 161351   | HP HOSE         | 1    |
| 8           | 161276   | HP HOSE     | 1    | 17          | 161350   | HP HOSE         | 2    |
| 9           | 163335   | HP HOSE     | 1    | 18          | 164892   | PROTECTION HOSE | 2    |

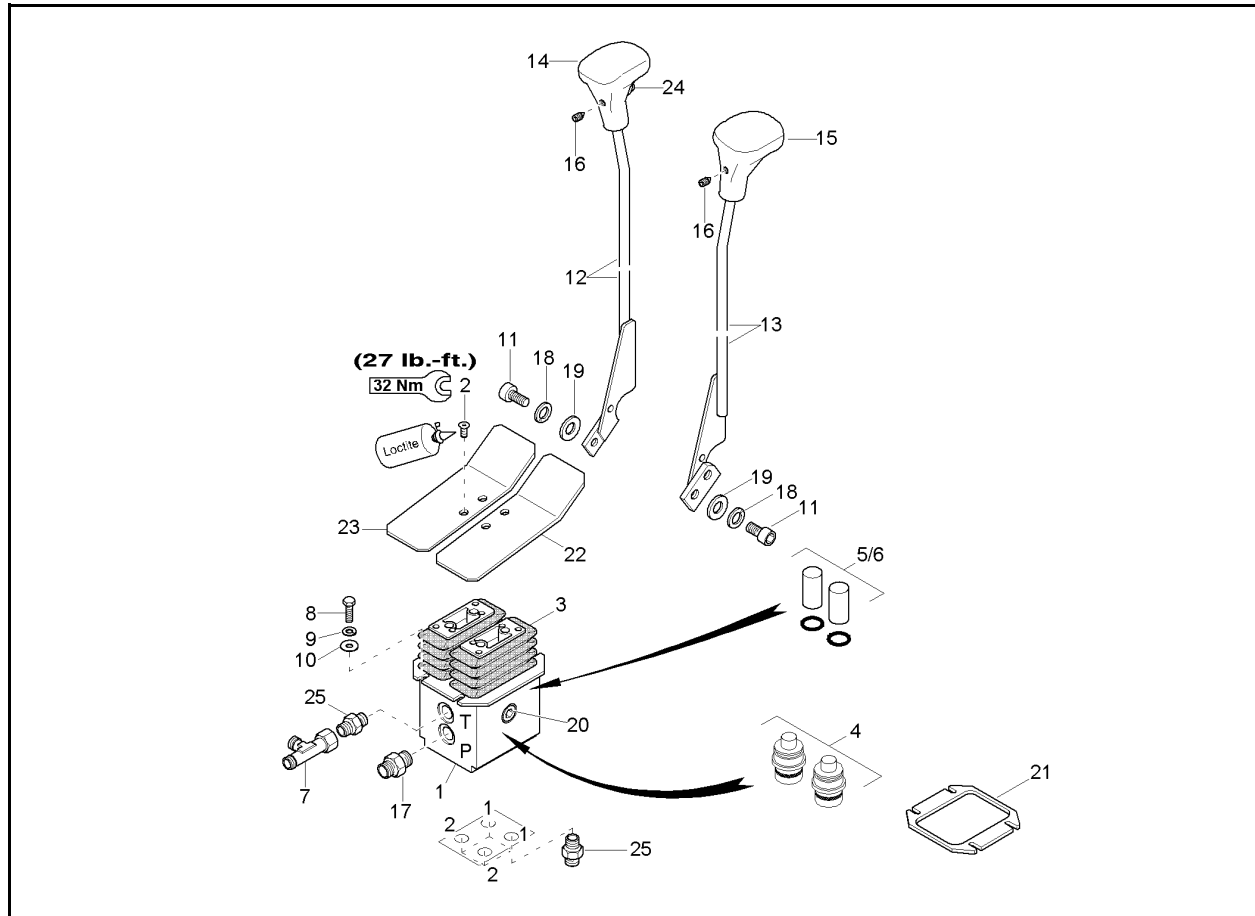
# 3503/3703 - TRAVEL PILOT VALVE

<https://www.manualshub.com/>  
1000180953 - (SN AG00580 AND UP)



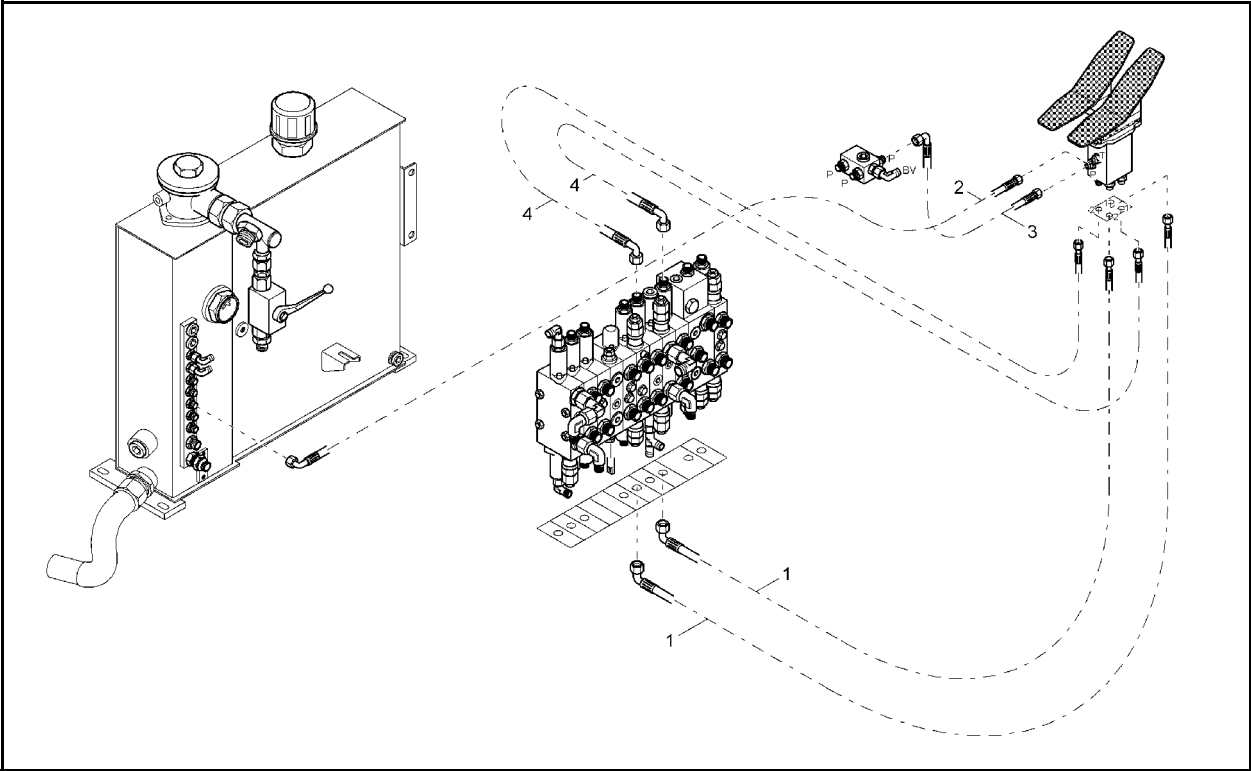
| Ref.<br>No. | Part No.   | Description                       | Qty. |
|-------------|------------|-----------------------------------|------|
| 1           | 178947     | TRAVEL PILOT VALVE COMPLETE       | 1    |
| 2           | 179775     | SCREW                             | 4    |
| 3           | 165522     | BELLOWS                           | 1    |
| 4           | 165521     | PLUNGER KITS                      | 2    |
| 5           | 165520     | DUMPING PLUNGERS (4.8 mm)         | 2    |
| 6           | 161426     | SCREW JOINT                       | 6    |
| 7           | 161363     | SWITCH                            | 1    |
| 8           | 656105     | CS M8-1.25 X 25 C8.8 ZY DIN931    | 4    |
| 9           | 163670     | LOCKWASHER                        | 4    |
| 10          | 7462680011 | WASHER 8.4 ST A2C                 | 4    |
| 11          | 651472     | SHCS M10-1.25 X 20 F8.8 ZY DIN912 | 4    |
| 12          | 1423029G   | TRAVEL LEVER LT                   | 1    |

| Ref.<br>No. | Part No. | Description              | Qty. |
|-------------|----------|--------------------------|------|
| 13          | 1423030G | TRAVEL LEVER RT          | 1    |
| 14          | 160658   | KNOB W/RED SWITCH        | 1    |
| 15          | 161764   | KNOB                     | 1    |
| 16          | 162027   | SET SCREW                | 2    |
| 17          | 164535   | PILOT CONTROL RESTRICTOR | 1    |
| 18          | 161669   | LOCKWASHER S10           | 4    |
| 19          | 161640   | WASHER/GR A 10.5         | 4    |
| 20          | 165514   | SCREW                    | 1    |
| 21          | 165153   | PLATE                    | 1    |
| 22          | 178764   | TRAVEL PEDAL RT          | 1    |
| 23          | 178763   | TRAVEL PEDAL LT          | 1    |



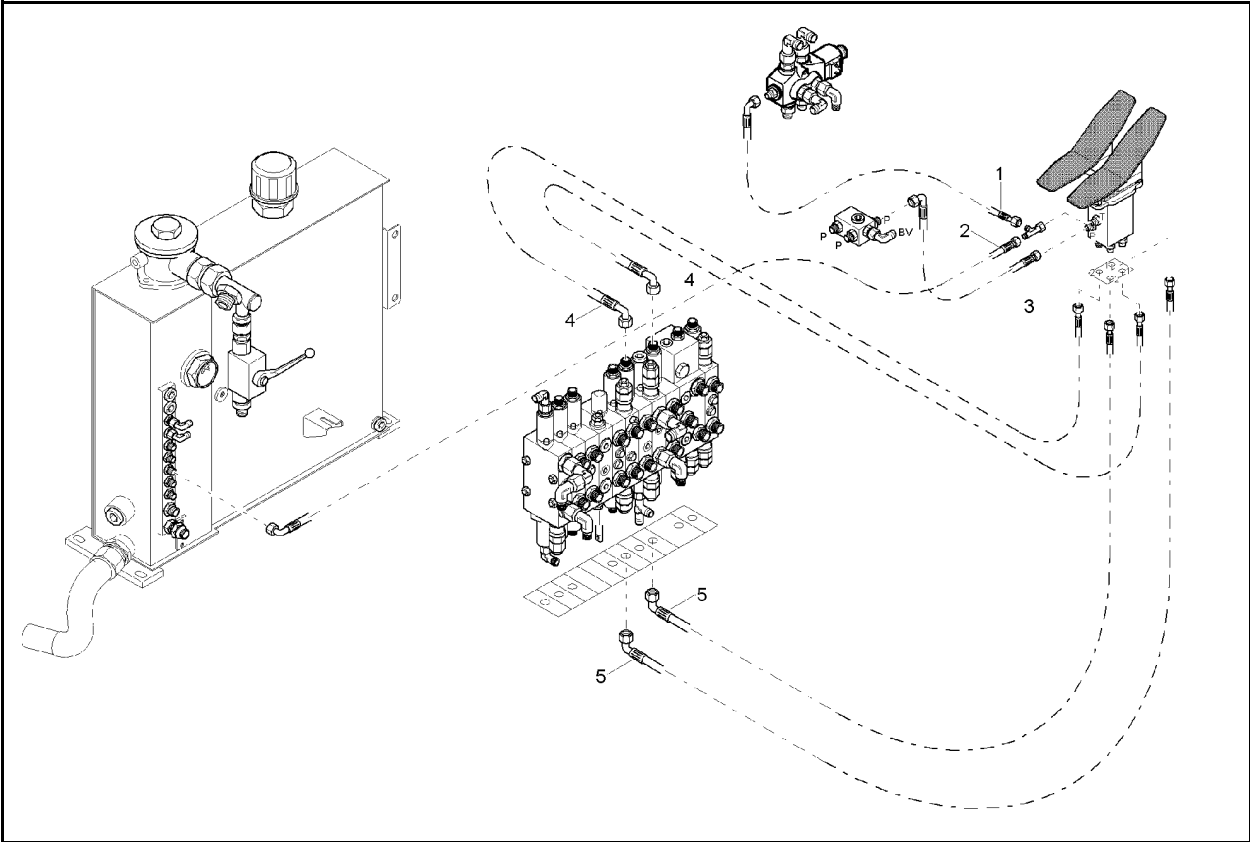
| Ref.<br>No. | Part No.   | Description                       | Qty. | Ref.<br>No. | Part No. | Description              | Qty. |
|-------------|------------|-----------------------------------|------|-------------|----------|--------------------------|------|
| 1           | 178947     | TRAVEL PILOT VALVE COMPLETE       | 1    | 13          | 1423030G | TRAVEL LEVER RT          | 1    |
| 2           | 179775     | SCREW                             | 4    | 14          | 160658   | KNOB W/RED SWITCH        | 1    |
| 3           | 165522     | BELLOWS                           | 1    | 15          | 161764   | KNOB                     | 1    |
| 4           | 165521     | PLUNGER KITS                      | 2    | 16          | 162027   | SET SCREW                | 2    |
| 5           | 165520     | DUMPING PLUNGERS (4.8mm)          | 2    | 17          | 164535   | PILOT CONTROL RESTRICTOR | 1    |
| 6           | 201838     | DUMPING PLUNGERS (3.7mm)          | 2    | 18          | 161669   | LOCKWASHER S10           | 4    |
| 7           | 161448     | TEE<br>(SN AD00001 - AD02607)     | 1    | 19          | 161640   | WASHER/GR A 10.5         | 4    |
| 8           | 656105     | CS M8-1.25 X 25 C8.8 ZY DIN931    | 4    | 20          | 165514   | SCREW                    | 1    |
| 9           | 163670     | LOCKWASHER                        | 4    | 21          | 165153   | PLATE                    | 1    |
| 10          | 7462680011 | WASHER 8.4 ST A2C                 | 4    | 22          | 178764   | TRAVEL PEDAL RT          | 1    |
| 11          | 651472     | SHCS M10-1.25 X 20 F8.8 ZY DIN912 | 4    | 23          | 178763   | TRAVEL PEDAL LT          | 1    |
| 12          | 1423029G   | TRAVEL LEVER LT                   | 1    | 24          | 161363   | SWITCH                   | 1    |
|             |            |                                   |      | 25          | 161426   | SCREW JOINT              | 6    |

3503/3703 - TRAVEL PILOT VALVE HOSE INSTALLATION  
1000139375 - (SN AD02608 AND UP)

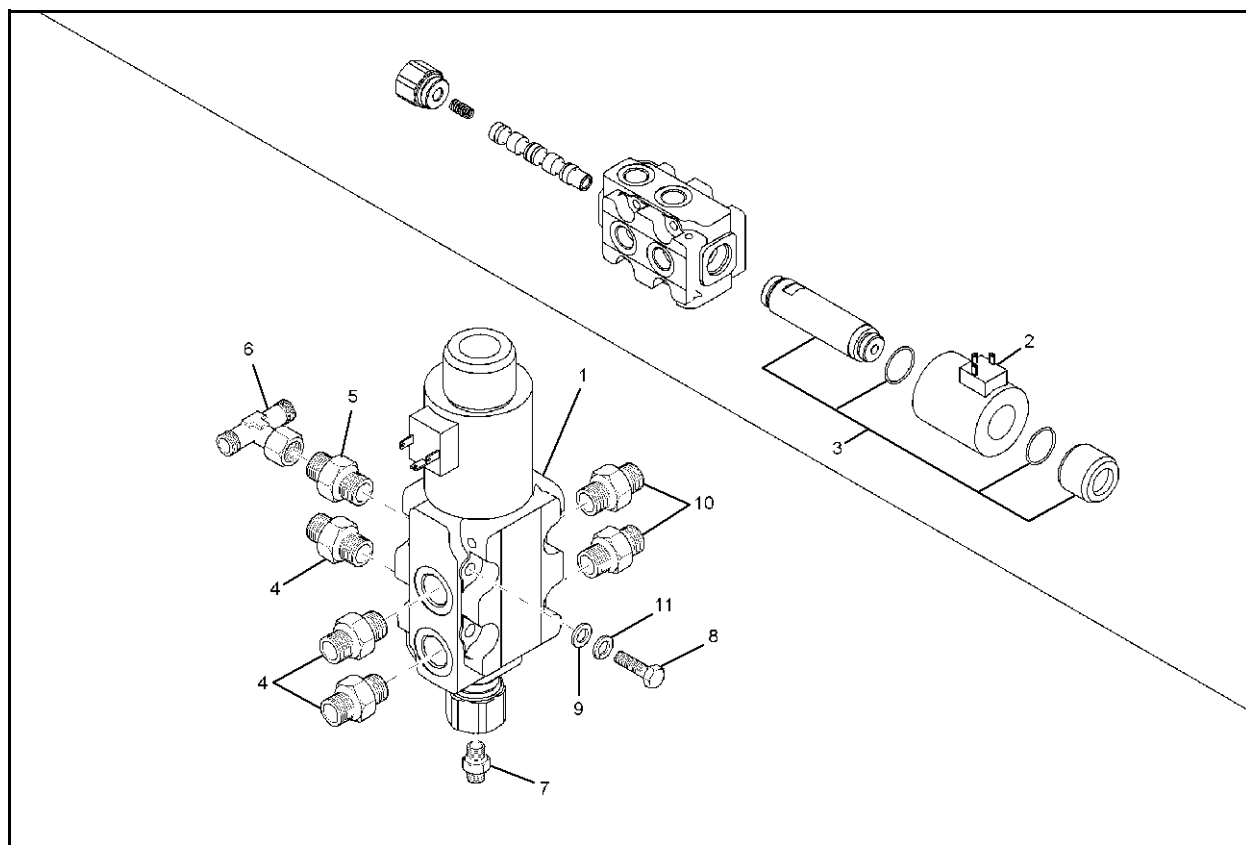


| Ref. No. | Part No. | Description | Qty. | Ref. No. | Part No. | Description | Qty. |
|----------|----------|-------------|------|----------|----------|-------------|------|
| 1        | 164800   | HP HOSE     | 2    | 3        | 161236   | HP HOSE     | 1    |
| 2        | 161276   | HP HOSE     | 1    | 4        | 163335   | HP HOSE     | 2    |

3503/3703 - TRAVEL PILOT VALVE HOSE INSTALLATION  
1000127305 - (SN AD00001 - AD02607)

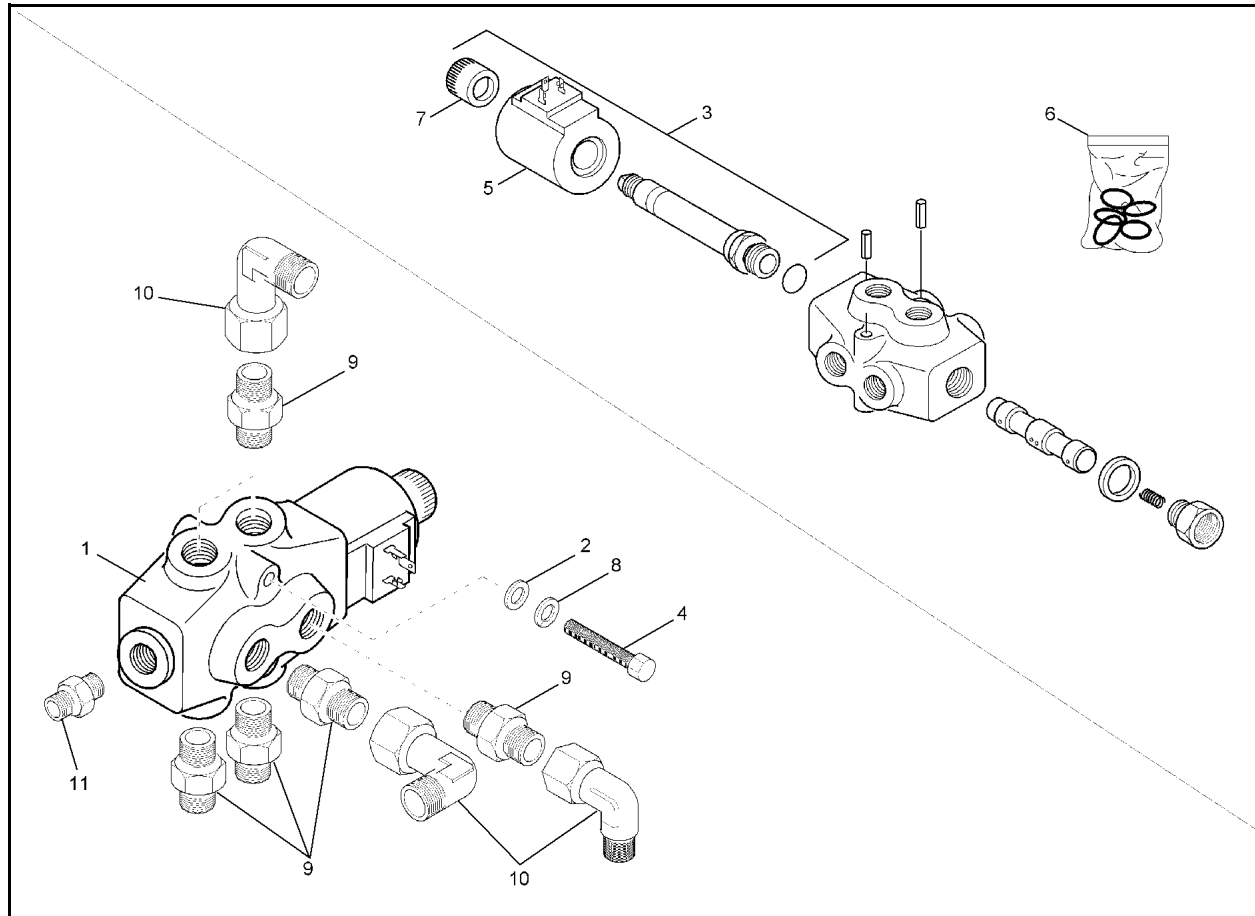


| Ref.<br>No. | Part No. | Description | Qty. | Ref.<br>No. | Part No. | Description | Qty. |
|-------------|----------|-------------|------|-------------|----------|-------------|------|
| 1           | 164800   | HP HOSE     | 1    | 4           | 163335   | HP HOSE     | 2    |
| 2           | 161276   | HP HOSE     | 1    | 5           | 161224   | HP HOSE     | 2    |
| 3           | 161236   | HP HOSE     | 1    |             |          |             |      |



| Ref. |          |                 |      | Ref. |          |             |      |
|------|----------|-----------------|------|------|----------|-------------|------|
| No.  | Part No. | Description     | Qty. | No.  | Part No. | Description | Qty. |
| 1    | 165488   | SELECTION VALVE | 1    | 7    | 161426   | SCREW JOINT | 1    |
| 2    | 165516   | COIL            | 1    | 8    | 165928   | SCREW       | 2    |
| 3    | 165517   | SOLENOID        | 1    | 9    | 163634   | WASHER      | 2    |
| 4    | 161431   | SCREW JOINT     | 3    | 10   | 165961   | SCREW JOINT | 2    |
| 5    | 9910346G | SCREW JOINT     | 1    | 11   | 163670   | LOCKWASHER  | 2    |
| 6    | 161451   | TEE             | 1    |      |          |             |      |

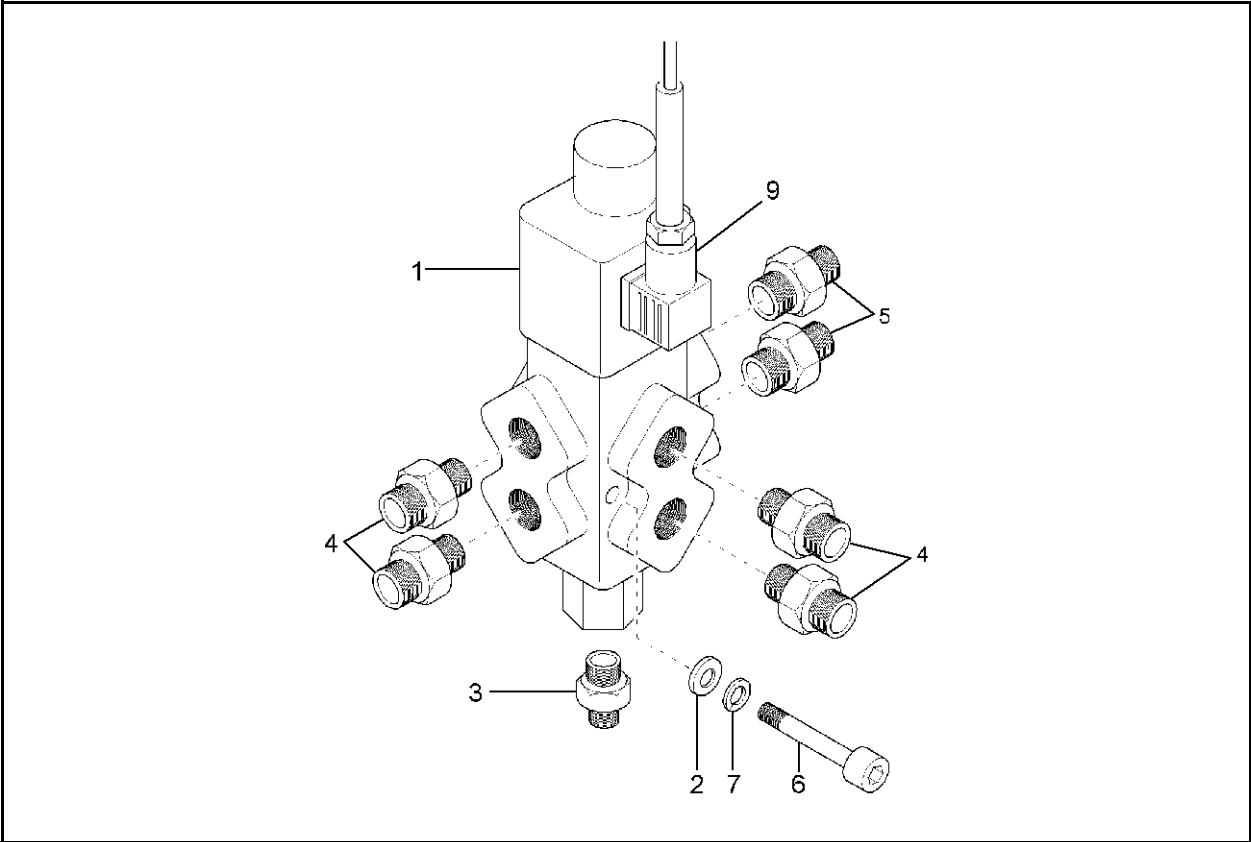
# 3503/3703 REVERSING VALVE (DOZER BLADE) 1000115932 - (SN AD00001 - AD02607)



| Ref.<br>No. | Part No. | Description               | Qty. |
|-------------|----------|---------------------------|------|
| 1           | 160763   | REVERSING VALVE COMPLETE  | 1    |
| 2           | 161660   | WASHER GR A6.4 ZO DIN 125 | 2    |
| 3           | 162243   | SOLENOID ASSY             | 1    |
| 4           | 165924   | SCREW                     | 2    |
| 5           | 162245   | SOLENOID COIL             | 1    |
| 6           | 162246   | SEAL KIT                  | 1    |

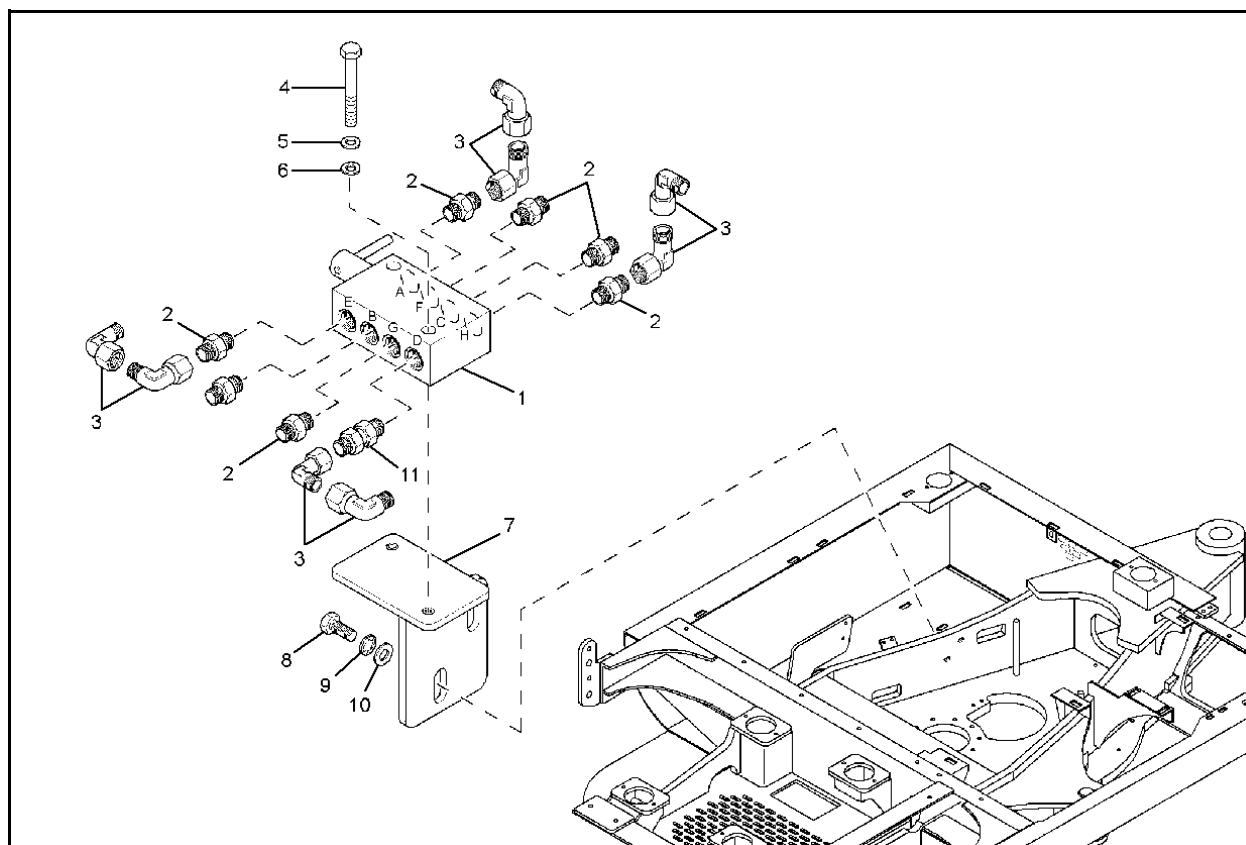
| Ref.<br>No. | Part No. | Description   | Qty. |
|-------------|----------|---------------|------|
| 7           | 164706   | NUT           | 1    |
| 8           | 161675   | LOCKWASHER S6 | 2    |
| 9           | 161427   | SCREW JOINT   | 6    |
| 10          | 161443   | 90° FITTING   | 4    |
| 11          | 161426   | SCREW JOINT   | 1    |

**3703 - SELECTION VALVE (HOUSE TILT)**  
**1000127269**



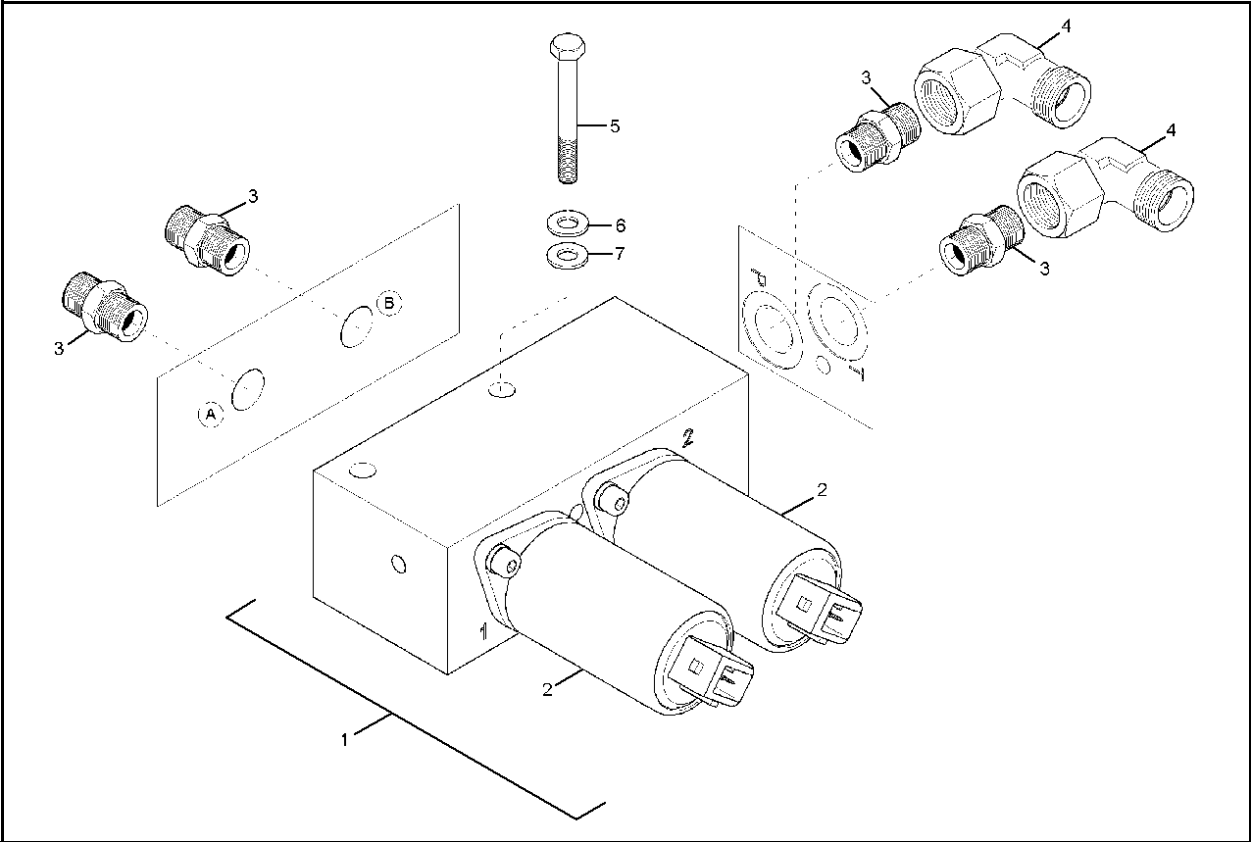
| Ref. No. | Part No. | Description               | Qty. |
|----------|----------|---------------------------|------|
| 1        | 160568   | VALVE/SELECTION           | 1    |
| 2        | 161660   | WASHER GR A6.4 ZO DIN 125 | 2    |
| 3        | 161426   | SCREW JOINT               | 1    |
| 4        | 161463   | SCREW JOINT               | 4    |

| Ref. No. | Part No. | Description   | Qty. |
|----------|----------|---------------|------|
| 5        | 161427   | SCREW JOINT   | 2    |
| 6        | 165924   | SCREW         | 2    |
| 7        | 161675   | LOCKWASHER S6 | 2    |



| Ref.<br>No. | Part No. | Description                 | Qty. | Ref.<br>No. | Part No.   | Description       | Qty. |
|-------------|----------|-----------------------------|------|-------------|------------|-------------------|------|
| 1           | 1408450G | ISO/SAE VALVE               | 1    | 7           | 179029     | BRACKET           | 1    |
| 2           | 161426   | SCREW JOINT                 | 7    | 8           | 177648     | HEX SCREW         | 2    |
| 3           | 161443   | 90° FITTING                 | 8    | 9           | 163670     | LOCKWASHER        | 2    |
| 4           | 651428   | CS M6-1 X 50 C8.8 ZY DIN931 | 2    | 10          | 7462680011 | WASHER 8.4 ST A2C | 2    |
| 5           | 161675   | LOCKWASHER S6               | 2    | 11          | 165976     | RESTRICTOR        | 1    |
| 6           | 161660   | WASHER GR A6.4 ZO DIN 125   | 2    |             |            |                   |      |

3503/3703 - PROPORTIONAL VALVE (OPTION)  
1000166699 - (SN AE00561 AND UP)

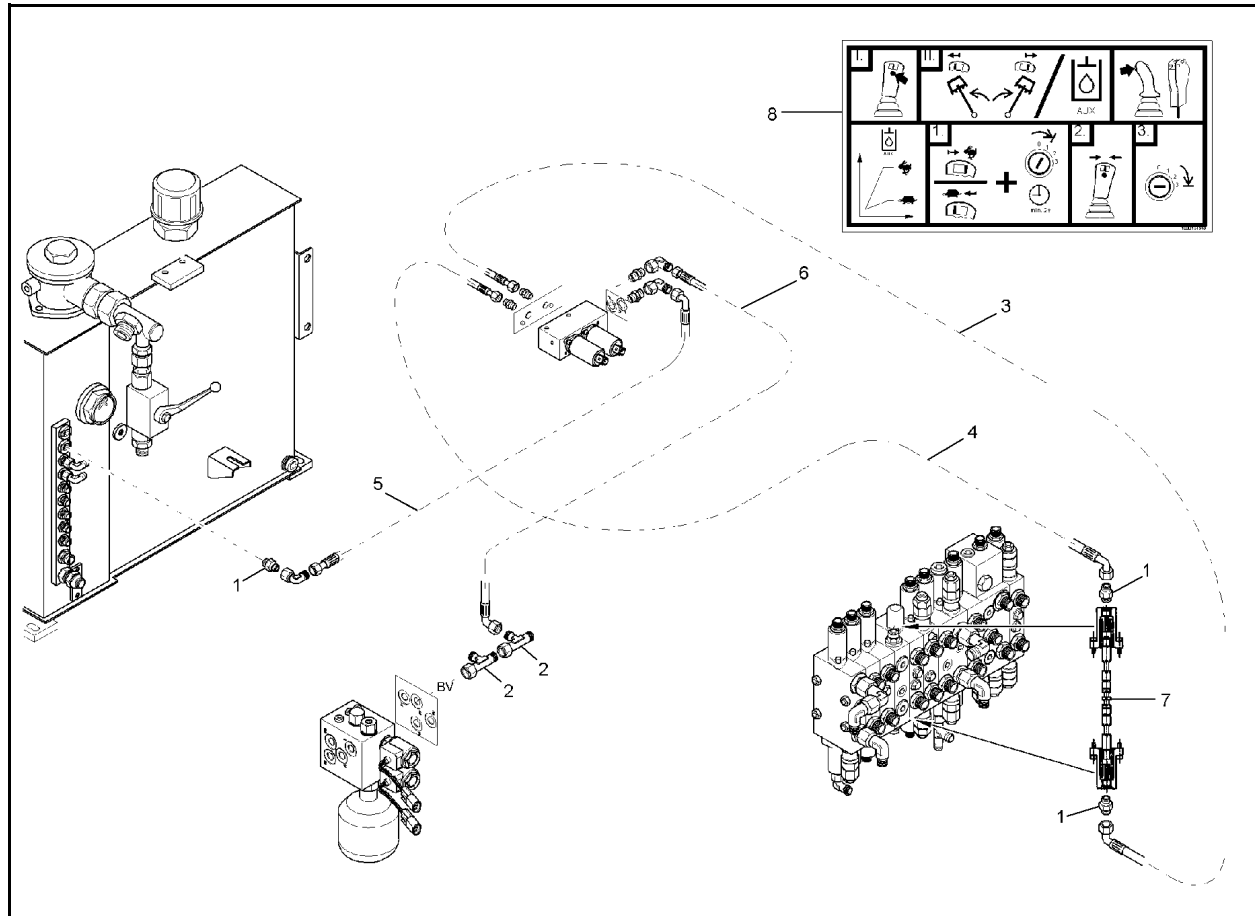


| Ref. No. | Part No. | Description        | Qty. |
|----------|----------|--------------------|------|
| 1        | 205930   | PROPORTIONAL VALVE | 1    |
| 2        | 205724   | SOLENOID           | 2    |
| 3        | 161426   | SCREW JOINT        | 4    |
| 4        | 161443   | 90° FITTING        | 2    |

| Ref. No. | Part No. | Description                 | Qty. |
|----------|----------|-----------------------------|------|
| 5        | 651428   | CS M6-1 X 50 C8.8 ZY DIN931 | 2    |
| 6        | 161675   | LOCKWASHER S6               | 2    |
| 7        | 161660   | WASHER GR A6.4 ZO DIN 125   | 2    |

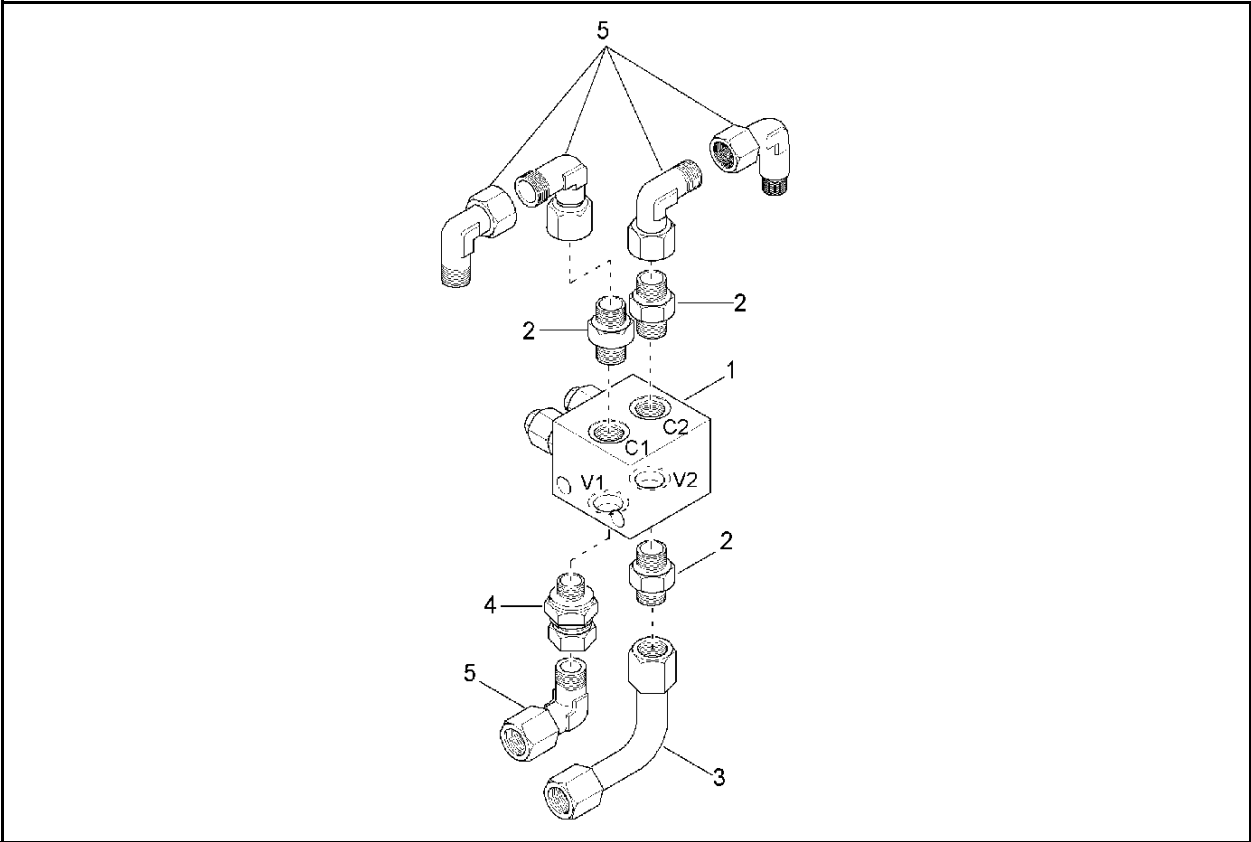
# 3503/3703 - PROP. VALVE HOSE INSTALLATION (OPTION)

## 1000166821 - (SN AE00561 AND UP)



| Ref. No. | Part No. | Description | Qty. |
|----------|----------|-------------|------|
| 1        | 161426   | SCREW JOINT | 3    |
| 2        | 161448   | TEE         | 2    |
| 3        | 165894   | HP HOSE     | 1    |
| 4        | 164792   | HP HOSE     | 1    |

| Ref. No. | Part No. | Description | Qty. |
|----------|----------|-------------|------|
| 5        | 161236   | HP HOSE     | 1    |
| 6        | 179513   | HP HOSE     | 1    |
| 7        | 204908   | PLUNGER KIT | 1    |
| 8        | 204698   | DECAL       | 1    |



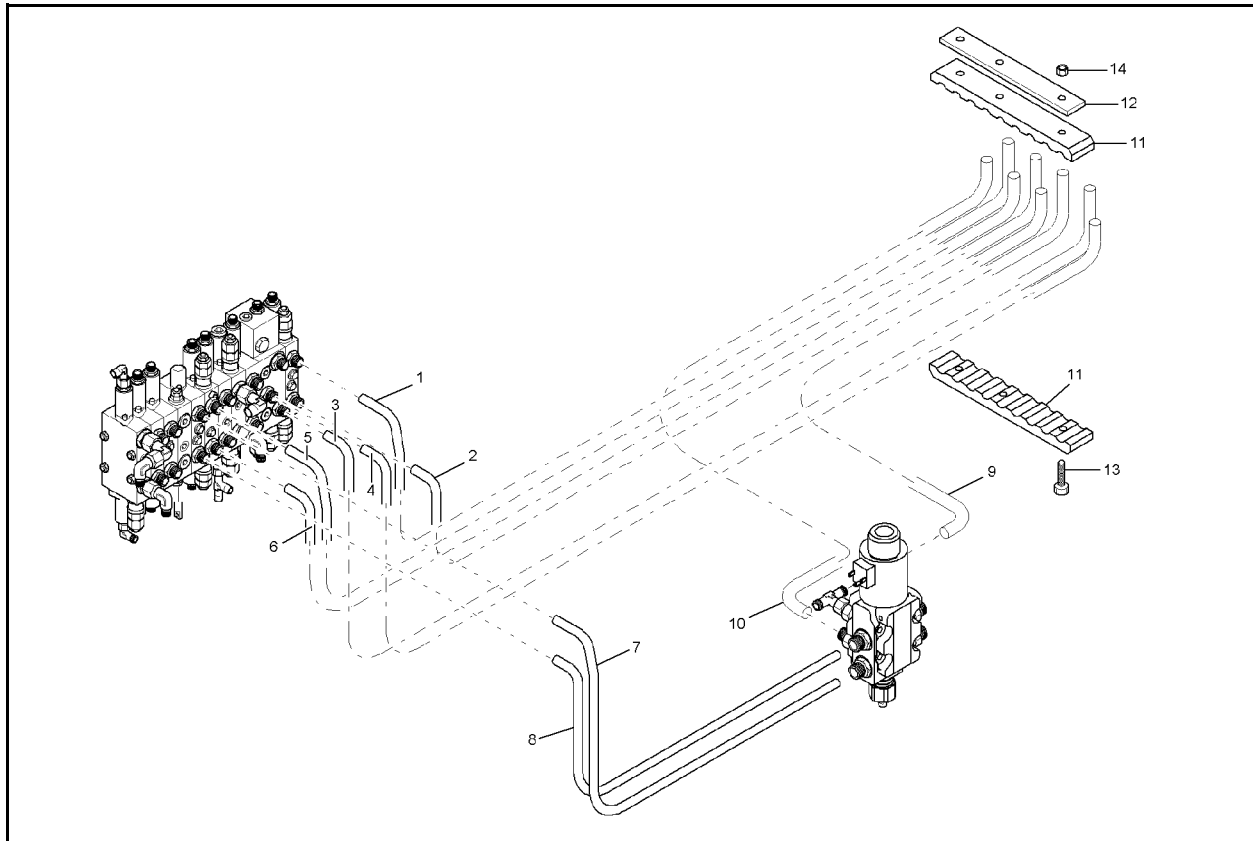
| Ref. No. | Part No. | Description | Qty. | Ref. No. | Part No. | Description | Qty. |
|----------|----------|-------------|------|----------|----------|-------------|------|
| 1        | 165490   | LOCK VALVE  | 1    | 4        | 165963   | SCREW JOINT | 1    |
| 2        | 163113   | SCREW JOINT | 3    | 5        | 161444   | 90° FITTING | 5    |
| 3        | 165481   | TUBE        | 1    |          |          |             |      |

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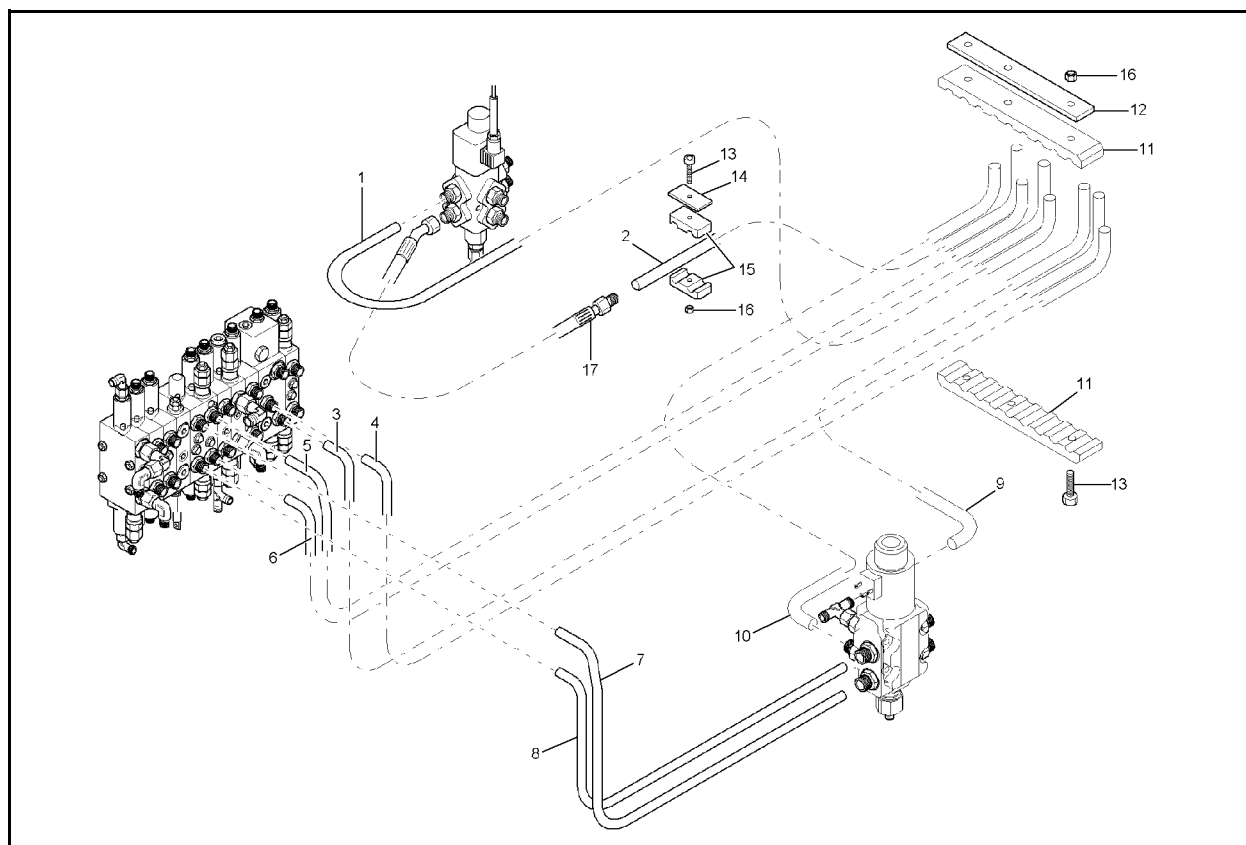
# 3503 - CONTROL VALVE TUBES

## 1000127306

http://www.steuckmanualshub.com/

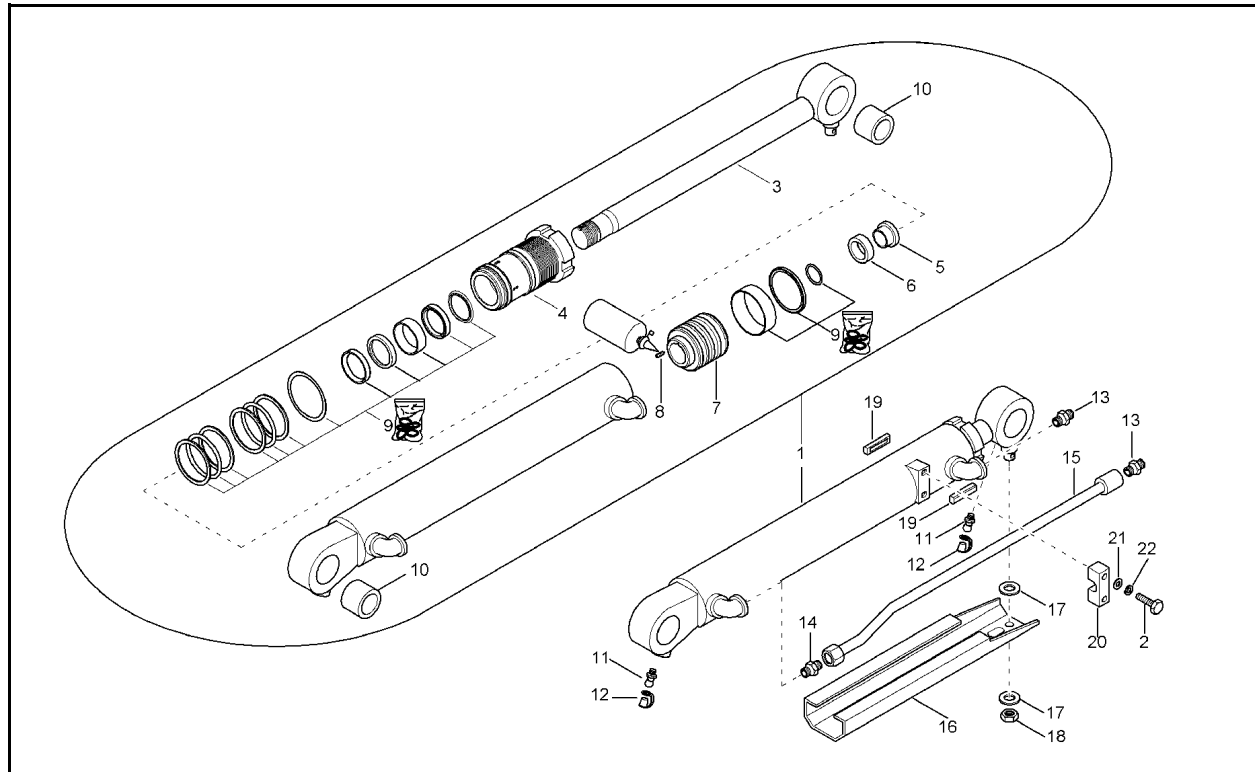


| Ref. No. | Part No. | Description | Qty. | Ref. No. | Part No. | Description                    | Qty. |
|----------|----------|-------------|------|----------|----------|--------------------------------|------|
| 1        | 165742   | TUBE        | 1    | 8        | 165752   | TUBE                           | 1    |
| 2        | 165743   | TUBE        | 1    | 9        | 165755   | TUBE                           | 1    |
| 3        | 165744   | TUBE        | 1    | 10       | 165754   | TUBE                           | 1    |
| 4        | 165745   | TUBE        | 1    | 11       | 165654   | COLLAR                         | 1    |
| 5        | 165750   | TUBE        | 1    | 12       | 165655   | COVER                          | 1    |
| 6        | 165751   | TUBE        | 1    | 13       | 656130   | CS M8-1.25 X 50 C8.8 ZY DIN931 | 3    |
| 7        | 165753   | TUBE        | 1    | 14       | 651458   | LN INS M8-1.25 C8 ZY DIN6924   | 3    |

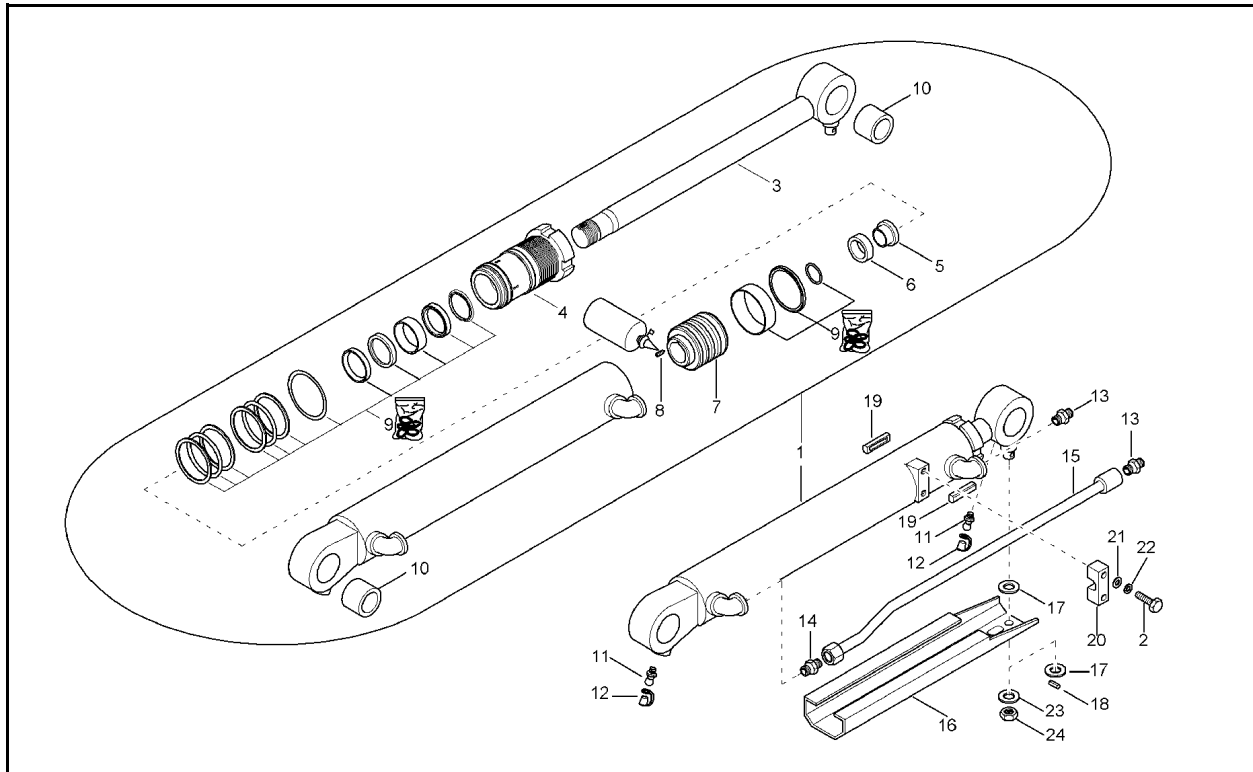


| Ref.<br>No. | Part No. | Description | Qty. | Ref.<br>No. | Part No. | Description                    | Qty. |
|-------------|----------|-------------|------|-------------|----------|--------------------------------|------|
| 1           | 165764   | TUBE        | 1    | 10          | 165754   | TUBE                           | 1    |
| 2           | 165763   | TUBE        | 1    | 11          | 165654   | COLLAR                         | 1    |
| 3           | 165744   | TUBE        | 1    | 12          | 165655   | COVER                          | 1    |
| 4           | 165745   | TUBE        | 1    | 13          | 656130   | CS M8-1.25 X 50 C8.8 ZY DIN931 | 4    |
| 5           | 165750   | TUBE        | 1    | 14          | 165981   | COVER                          | 1    |
| 6           | 165751   | TUBE        | 1    | 15          | 165980   | COLLAR                         | 1    |
| 7           | 165753   | TUBE        | 1    | 16          | 651458   | LN INS M8-1.25 C8 ZY DIN6924   | 4    |
| 8           | 165752   | TUBE        | 1    | 17          | 165887   | HP HOSE                        | 1    |
| 9           | 165755   | TUBE        | 1    |             |          |                                |      |

**3503/3703 - BOOM CYLINDER** <http://truckmanualshub.com/>  
**1000180954 - (SN AG00580 AND UP)**



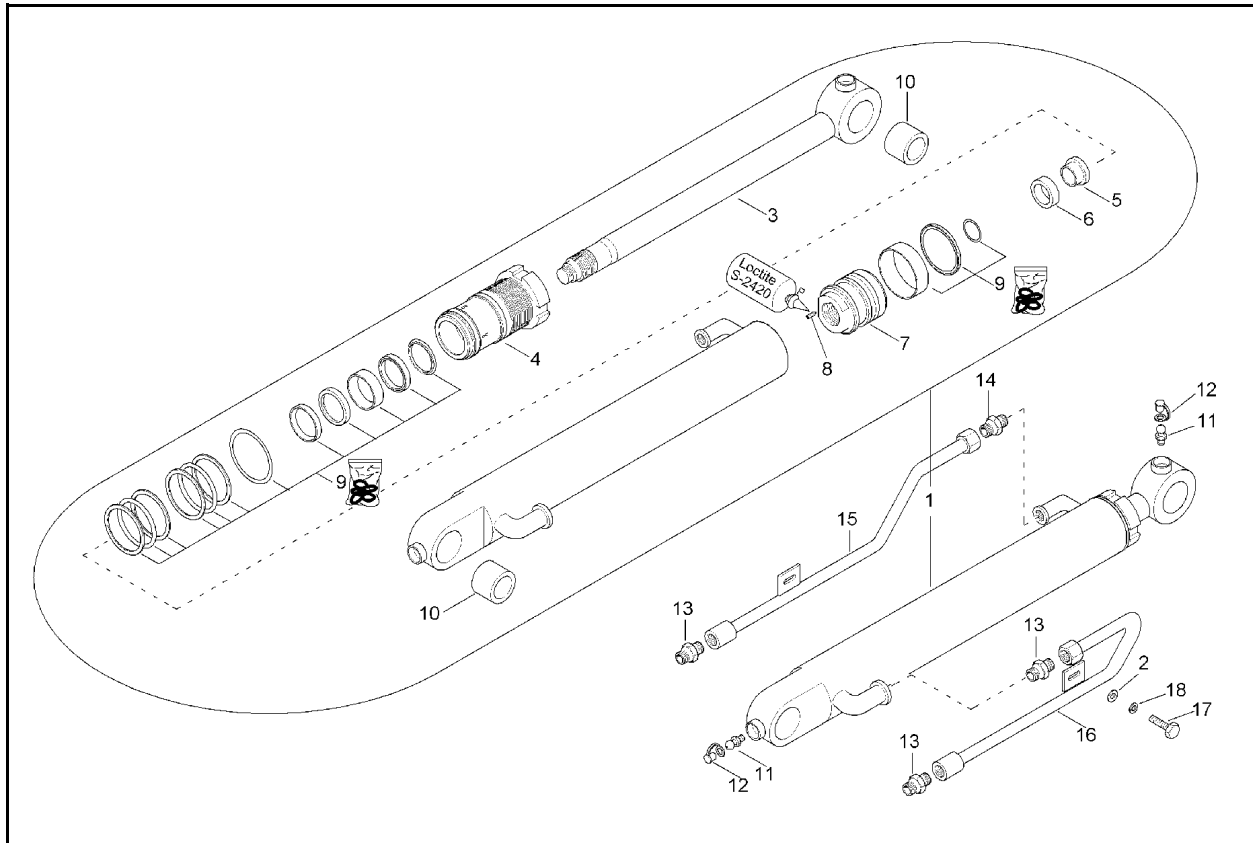
| Ref.<br>No. | Part No. | Description                    | Qty. | Ref.<br>No. | Part No. | Description    | Qty. |
|-------------|----------|--------------------------------|------|-------------|----------|----------------|------|
| 1           | 165737   | BOOM CYLINDER                  | 1    | 12          | 161422   | CAP            | 2    |
| 2           | 656094   | CS M8-1.25 X 30 C8.8 ZY DIN931 | 2    | 13          | 161463   | SCREW JOINT    | 2    |
| 3           | 165768   | PISTON ROD                     | 1    | 14          | 161431   | SCREW JOINT    | 1    |
| 4           | 165770   | BUSHING                        | 1    | 15          | 165761   | TUBES          | 1    |
| 5           | 165771   | BUSHING                        | 1    | 16          | 165741   | SHIELD         | 1    |
| 6           | 165772   | BUSHING                        | 1    | 17          | 161642   | WASHER/GR A 13 | 1    |
| 7           | 165765   | PISTON                         | 1    | 18          | 179793   | NUT            | 1    |
| 8           | 161400   | SET SCREW                      | 1    | 19          | 161205   | GUIDE          | 2    |
| 9           | 165812   | SEAL KIT                       | 1    | 20          | 165659   | COLLAR         | 1    |
| 10          | 165979   | BUSHING 45/55 X 50             | 2    | 21          | 163634   | WASHER         | 2    |
| 11          | 161412   | GREASE ZERK-9MM HEX HEAD       | 2    | 22          | 163670   | LOCKWASHER     | 2    |



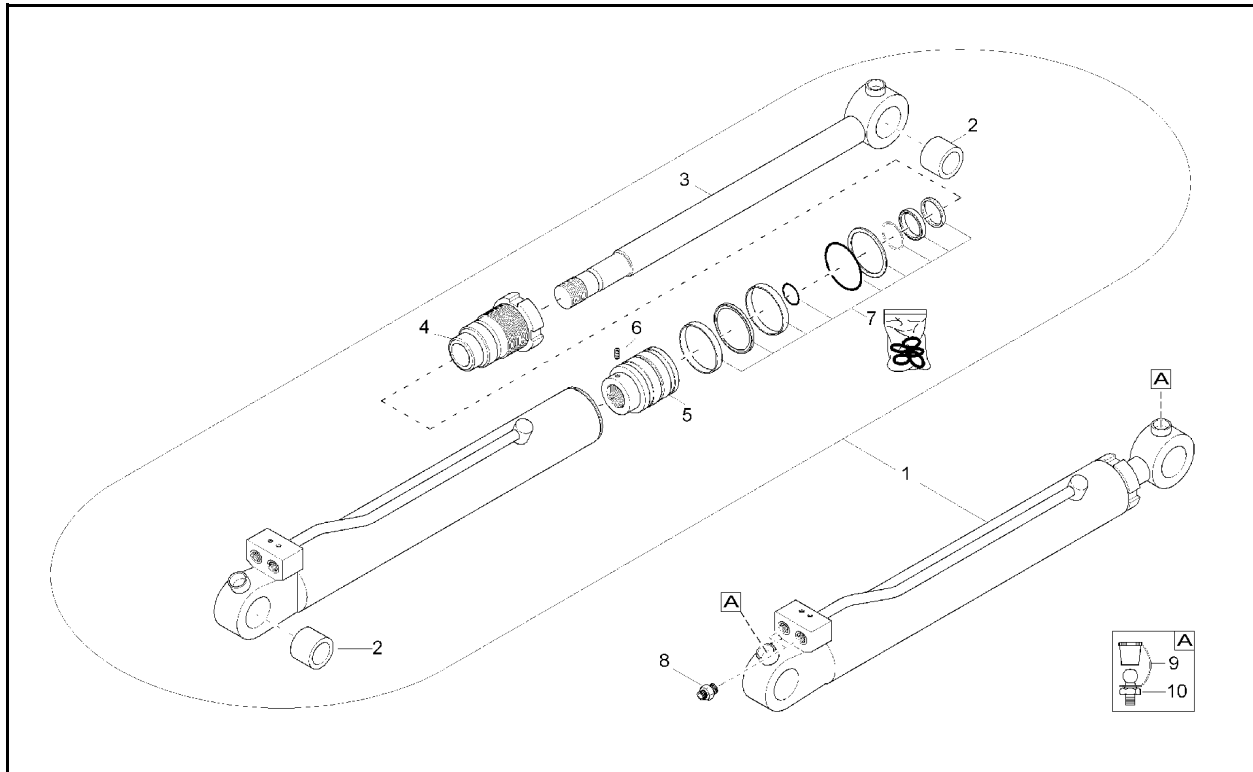
| Ref.<br>No. | Part No. | Description                    | Qty. | Ref.<br>No. | Part No. | Description                                         | Qty. |
|-------------|----------|--------------------------------|------|-------------|----------|-----------------------------------------------------|------|
| 1           | 165737   | BOOM CYLINDER                  | 1    | 14          | 161431   | SCREW JOINT                                         | 1    |
| 2           | 656094   | CS M8-1.25 X 30 C8.8 ZY DIN931 | 2    | 15          | 165761   | TUBES                                               | 1    |
| 3           | 165768   | PISTON ROD                     | 1    | 16          | 165741   | SHIELD                                              | 1    |
| 4           | 165770   | BUSHING                        | 1    | 17          | 161650   | WASHER/GR A 19 ZO DIN125<br>(SN AD02717 and before) | 2    |
| 5           | 165771   | BUSHING                        | 1    | 18          | 651468   | PIN/SPRING M5 X 36<br>(SN AD02717 and before)       | 1    |
| 6           | 165772   | BUSHING                        | 1    | 19          | 161205   | GUIDE                                               | 2    |
| 7           | 165765   | PISTON                         | 1    | 20          | 165659   | COLLAR                                              | 1    |
| 8           | 161400   | SET SCREW                      | 1    | 21          | 163634   | WASHER                                              | 2    |
| 9           | 165812   | SEAL KIT                       | 1    | 22          | 163670   | LOCKWASHER                                          | 2    |
| 10          | 165979   | BUSHING 45/55 X 50             | 2    | 23          | 161642   | WASHER/GR A 13<br>(SN AD02718 and up)               | 1    |
| 11          | 161412   | GREASE ZERK-9MM HEX HEAD       | 2    | 24          | 179793   | NUT<br>(SN AD02718 and up)                          | 1    |
| 12          | 161422   | CAP                            | 2    |             |          |                                                     |      |
| 13          | 161463   | SCREW JOINT                    | 2    |             |          |                                                     |      |

# 3503/3703 - DIPPER ARM CYLINDER

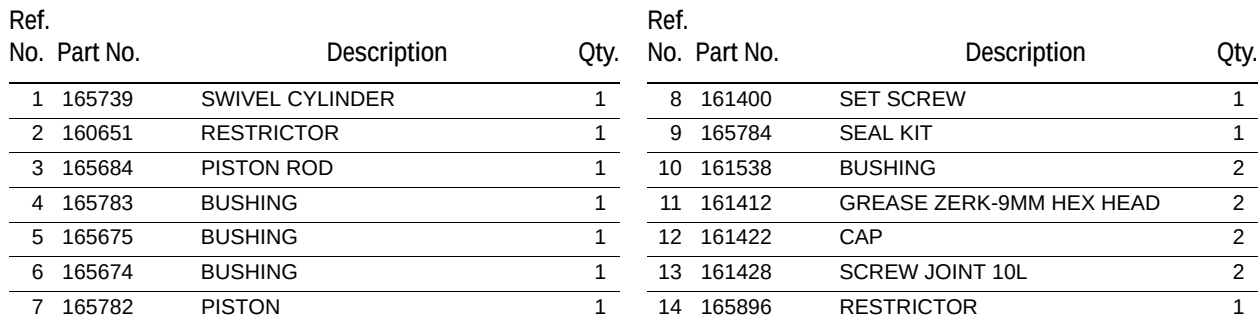
1000133434



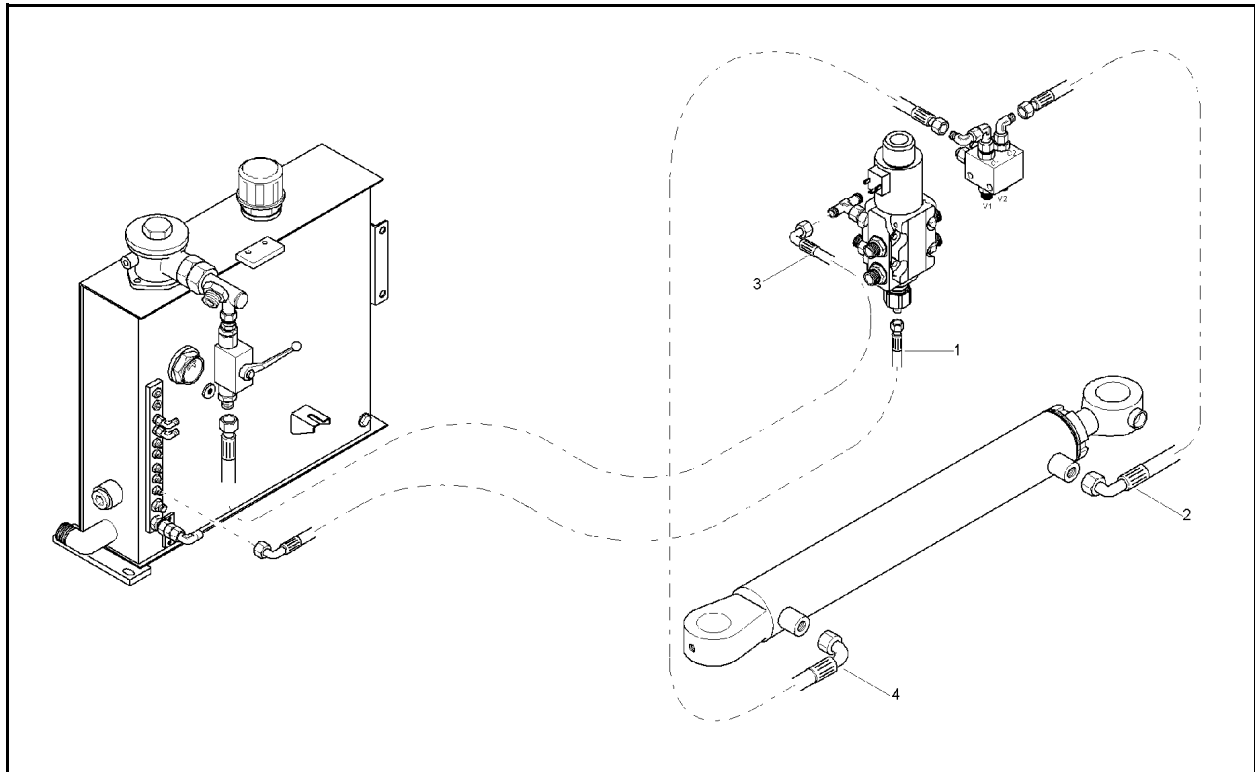
| Ref.<br>No. | Part No.   | Description         | Qty. | Ref.<br>No. | Part No. | Description                    | Qty. |
|-------------|------------|---------------------|------|-------------|----------|--------------------------------|------|
| 1           | 165736     | DIPPER ARM CYLINDER | 1    | 10          | 161538   | BUSHING                        | 2    |
| 2           | 7462680011 | WASHER 8.4 ST A2C   | 2    | 11          | 161412   | GREASE ZERK-9MM HEX HEAD       | 2    |
| 3           | 165774     | PISTON ROD          | 1    | 12          | 161422   | CAP                            | 2    |
| 4           | 165776     | BUSHING             | 1    | 13          | 161463   | SCREW JOINT                    | 3    |
| 5           | 165675     | BUSHING             | 1    | 14          | 161431   | SCREW JOINT                    | 1    |
| 6           | 165674     | BUSHING             | 1    | 15          | 165762   | TUBES                          | 1    |
| 7           | 165775     | PISTON              | 1    | 16          | 165656   | TUBE                           | 1    |
| 8           | 161400     | SET SCREW           | 1    | 17          | 656093   | CS M8-1.25 X 16 C8.8 ZY DIN931 | 2    |
| 9           | 165813     | SEAL KIT            | 1    | 18          | 163670   | LOCKWASHER                     | 2    |



| Ref. No. | Part No. | Description     | Qty. | Ref. No. | Part No. | Description              | Qty. |
|----------|----------|-----------------|------|----------|----------|--------------------------|------|
| 1        | 165735   | BUCKET CYLINDER | 1    | 6        | 161400   | SET SCREW                | 1    |
| 2        | 161538   | BUSHING         | 2    | 7        | 165700   | SEAL KIT                 | 1    |
| 3        | 165778   | PISTON ROD      | 1    | 8        | 161429   | SCREW JOINT 12L          | 2    |
| 4        | 165682   | BUSHING         | 1    | 9        | 161422   | CAP                      | 2    |
| 5        | 165678   | PISTON          | 1    | 10       | 161412   | GREASE ZERK-9MM HEX HEAD | 2    |



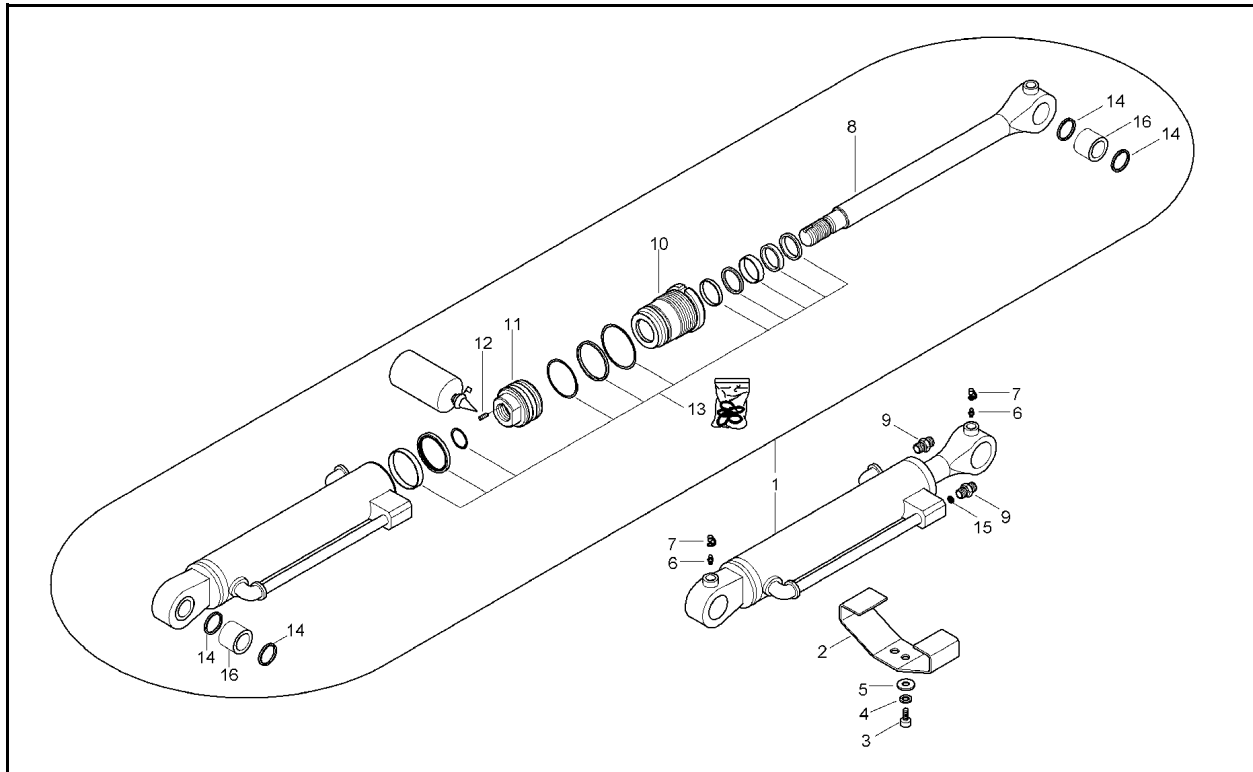
3503/3703 SWIVEL CYLINDER HOSE INSTALLATION  
1000127298



| Ref.<br>No. | Part No. | Description | Qty. | Ref.<br>No. | Part No. | Description | Qty. |
|-------------|----------|-------------|------|-------------|----------|-------------|------|
| 1           | 162414   | HP HOSE     | 1    | 3           | 165891   | HP HOSE     | 1    |
| 2           | 161290   | HP HOSE     | 1    | 4           | 165848   | HP HOSE     | 1    |

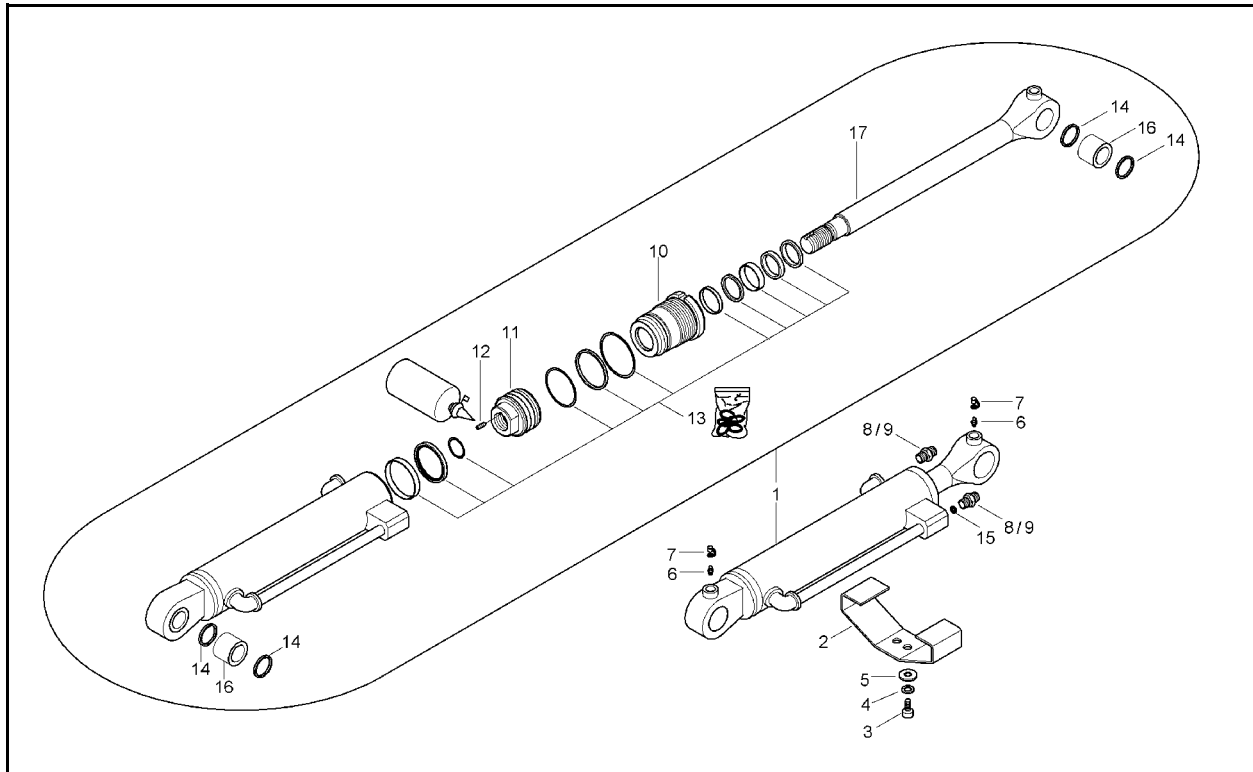
# 3503 DOZER BLADE CYLINDER

## 1000180957 - (SN AG00593 AND UP)



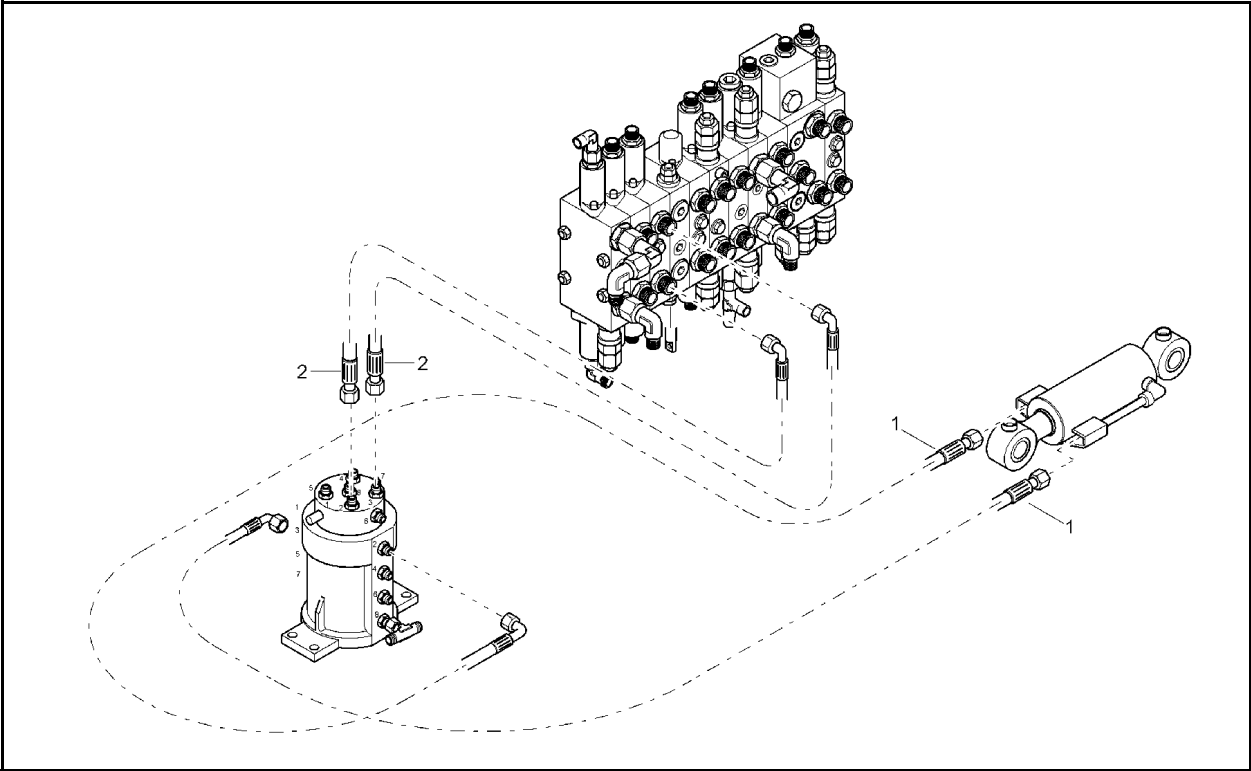
| Ref.<br>No. | Part No. | Description                       | Qty. |
|-------------|----------|-----------------------------------|------|
| 1           | 165740   | DOZER BLADE CYLINDER              | 1    |
| 2           | 162704   | SHIELD                            | 1    |
| 3           | 651472   | SHCS M10-1.25 X 20 F8.8 ZY DIN912 | 2    |
| 4           | 161669   | LOCKWASHER S10                    | 2    |
| 5           | 161640   | WASHER/GR A 10.5                  | 2    |
| 6           | 161412   | GREASE ZERK-9MM HEX HEAD          | 2    |
| 7           | 161422   | CAP                               | 2    |
| 8           | 165786   | PISTON ROD                        | 1    |

| Ref.<br>No. | Part No. | Description           | Qty. |
|-------------|----------|-----------------------|------|
| 9           | 165961   | SCREW JOINT 10L       | 2    |
| 10          | 165787   | BUSHING               | 1    |
| 11          | 165788   | PISTON                | 1    |
| 12          | 161400   | SET SCREW             | 1    |
| 13          | 165814   | SEAL KIT              | 1    |
| 14          | 161588   | PIN SEAL              | 4    |
| 15          | 165795   | TUBE BURST PROTECTION | 1    |
| 16          | 179852   | BUSHING               | 2    |



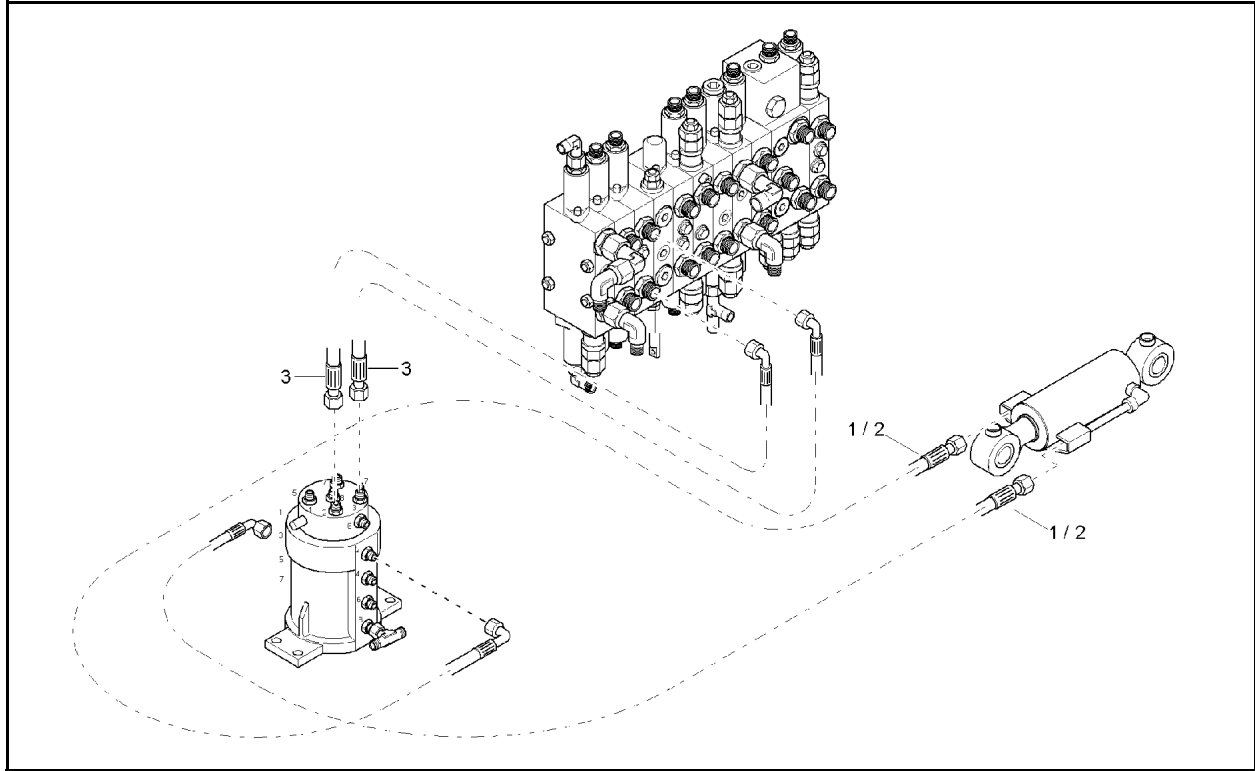
| Ref.<br>No. | Part No. | Description                       | Qty. | Ref.<br>No. | Part No. | Description           | Qty. |
|-------------|----------|-----------------------------------|------|-------------|----------|-----------------------|------|
| 1           | 165740   | DOZER BLADE CYLINDER              | 1    | 10          | 165787   | BUSHING               | 1    |
| 2           | 162704   | SHIELD                            | 1    | 11          | 165788   | PISTON                | 1    |
| 3           | 651472   | SHCS M10-1.25 X 20 F8.8 ZY DIN912 | 2    | 12          | 161400   | SET SCREW             | 1    |
| 4           | 161669   | LOCKWASHER S10                    | 2    | 13          | 165814   | SEAL KIT              | 1    |
| 5           | 161640   | WASHER/GR A 10.5                  | 2    | 14          | 161588   | PIN SEAL              | 4    |
| 6           | 161412   | GREASE ZERK-9MM HEX HEAD          | 2    | 15          | 165795   | TUBE BURST PROTECTION | 1    |
| 7           | 161422   | CAP                               | 2    | 16          | 179852   | BUSHING               | 2    |
| 8           | 161430   | SCREW JOINT 12L                   | 2    | 17          | 165786   | PISTON ROD            | 1    |
| 9           | 165961   | SCREW JOINT 10L                   | 2    |             |          |                       |      |

3503 - DOZER BLADE CYLINDER HOSE INSTALLATION  
1000180956 - (AG00593 AND UP)

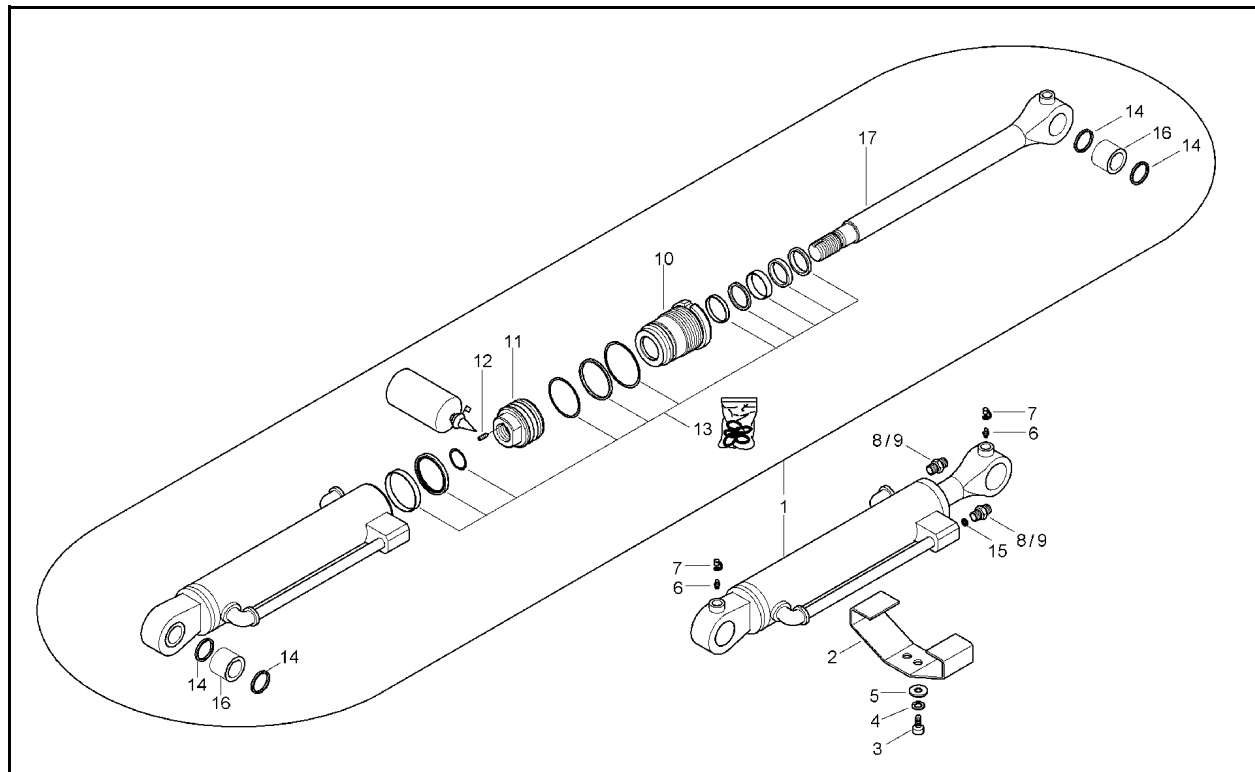


| Ref. No. | Part No. | Description | Qty. | Ref. No. | Part No. | Description | Qty. |
|----------|----------|-------------|------|----------|----------|-------------|------|
| 1        | 165849   | HP HOSE     | 2    | 2        | 165847   | HP HOSE     | 2    |

# 3503 - DOZER BLADE CYLINDER HOSE INSTALLATION 1000127299 - (AD00001 - AE02832)



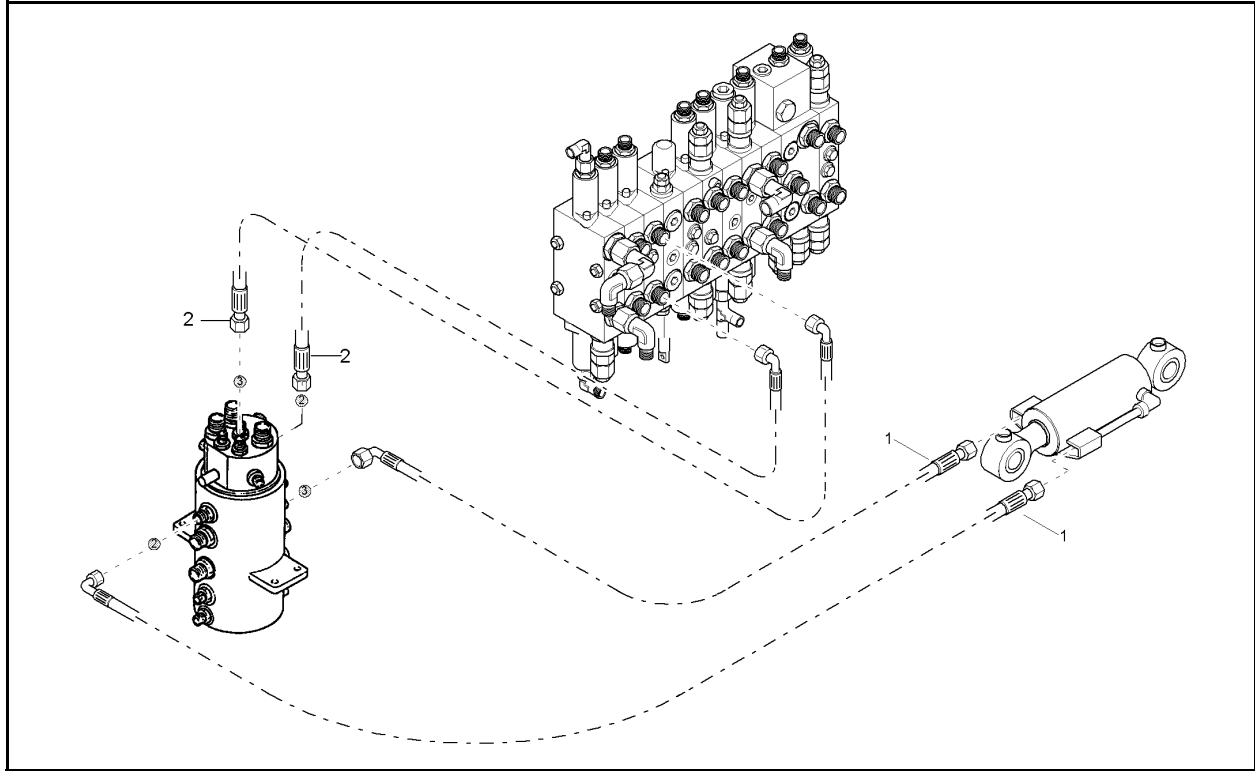
| Ref. No. | Part No. | Description | Qty. | Ref. No. | Part No. | Description | Qty. |
|----------|----------|-------------|------|----------|----------|-------------|------|
| 1        | 165852   | HP HOSE 12L | 2    | 3        | 165847   | HP HOSE     | 2    |
| 2        | 165849   | HP HOSE 10L | 2    |          |          |             |      |



| Ref. No. | Part No. | Description                       | Qty. | Ref. No. | Part No. | Description           | Qty. |
|----------|----------|-----------------------------------|------|----------|----------|-----------------------|------|
| 1        | 165740   | DOZER BLADE CYLINDER              | 1    | 9        | 165961   | SCREW JOINT 10L       | 2    |
| 2        | 162704   | SHIELD                            | 1    | 10       | 165787   | BUSHING               | 1    |
| 3        | 651472   | SHCS M10-1.25 X 20 F8.8 ZY DIN912 | 2    | 11       | 165788   | PISTON                | 1    |
| 4        | 161669   | LOCKWASHER S10                    | 2    | 12       | 161400   | SET SCREW             | 1    |
| 5        | 161640   | WASHER/GR A 10.5                  | 2    | 13       | 165814   | SEAL KIT              | 1    |
| 6        | 161412   | GREASE ZERK-9MM HEX HEAD          | 2    | 14       | 161588   | PIN SEAL              | 4    |
| 7        | 161422   | CAP                               | 2    | 15       | 165795   | TUBE BURST PROTECTION | 1    |
| 8        | 165786   | PISTON ROD                        | 1    | 16       | 179852   | BUSHING               | 2    |

# 3703 - DOZER BLADE CYLINDER HOSE INSTALLATION

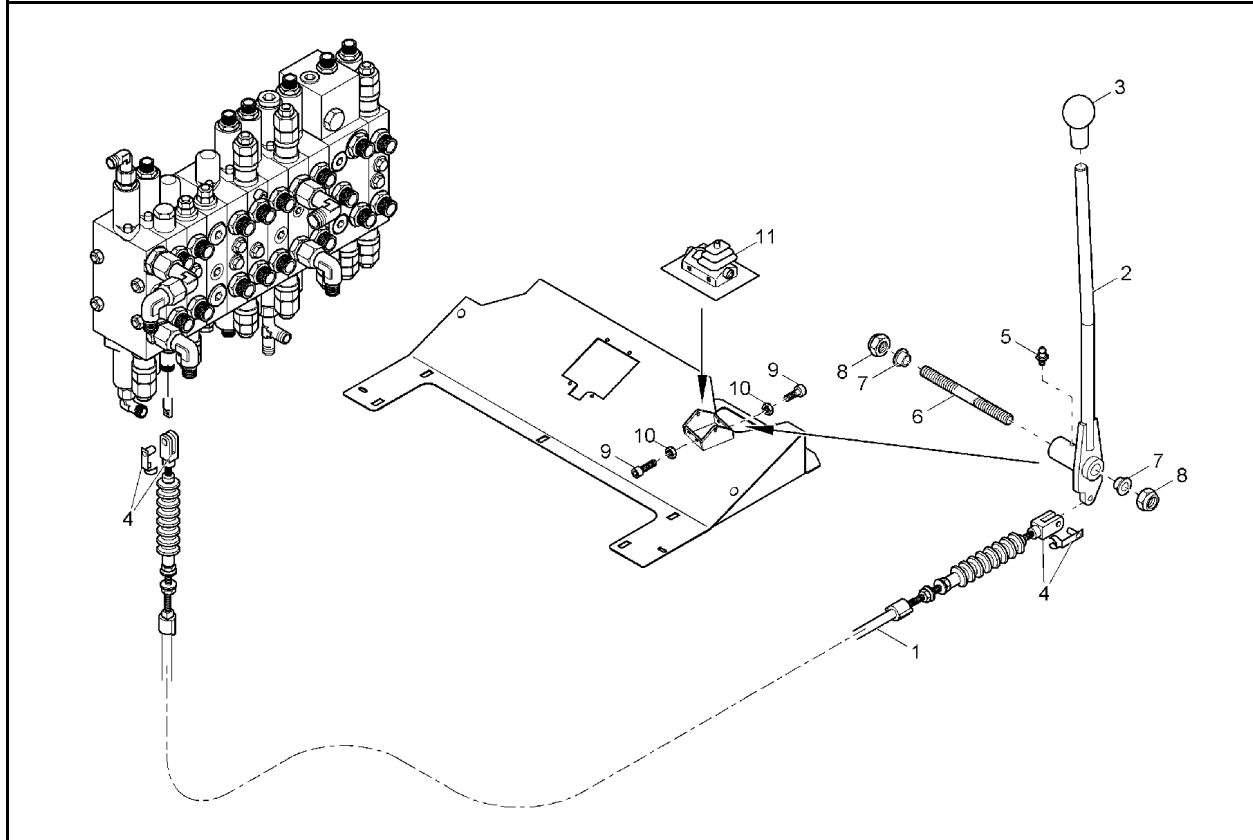
1000127300



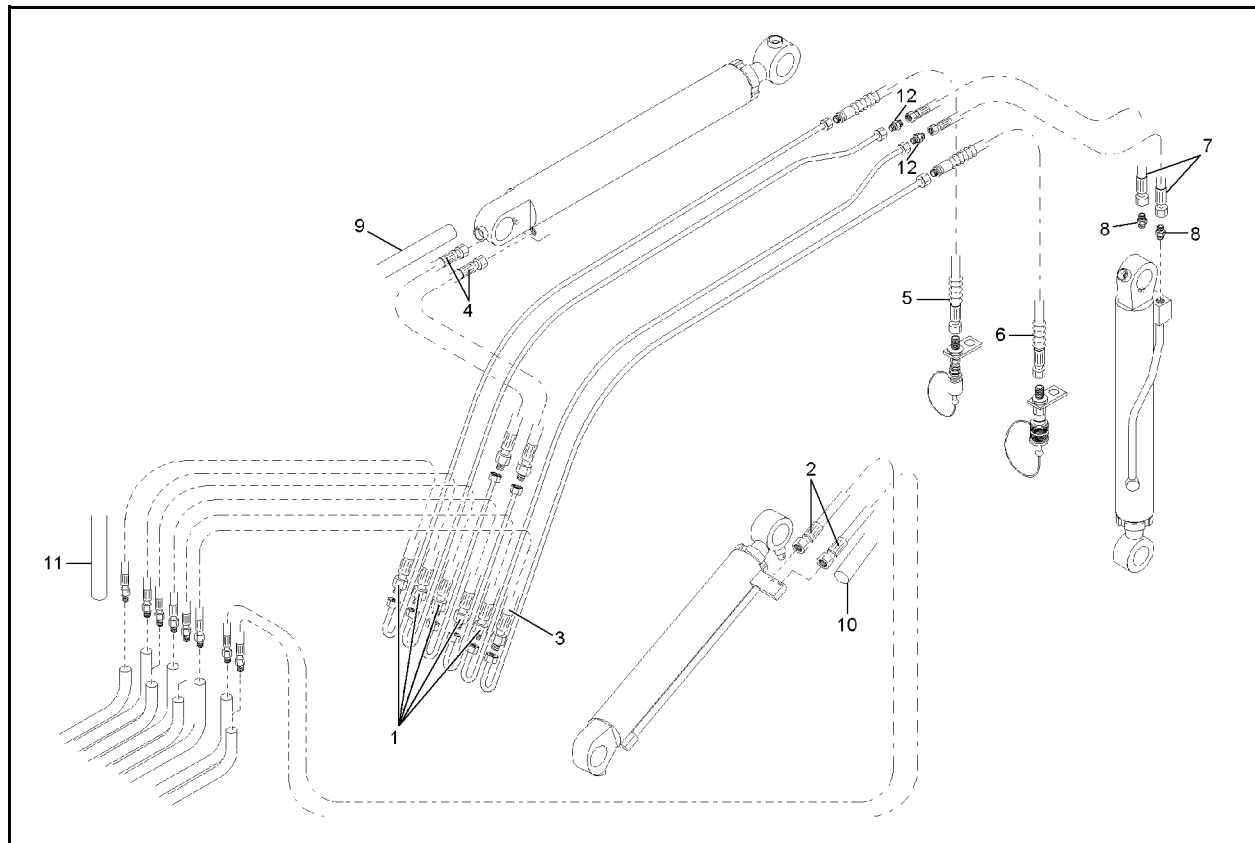
| Ref.<br>No. | Part No. | Description | Qty. | Ref.<br>No. | Part No. | Description | Qty. |
|-------------|----------|-------------|------|-------------|----------|-------------|------|
| 1           | 165849   | HP HOSE     | 2    | 2           | 165847   | HP HOSE     | 2    |

# 3503/3703 - DOZER BLADE OPERATION

## 1000139379 - (SN AD02608 AND UP)

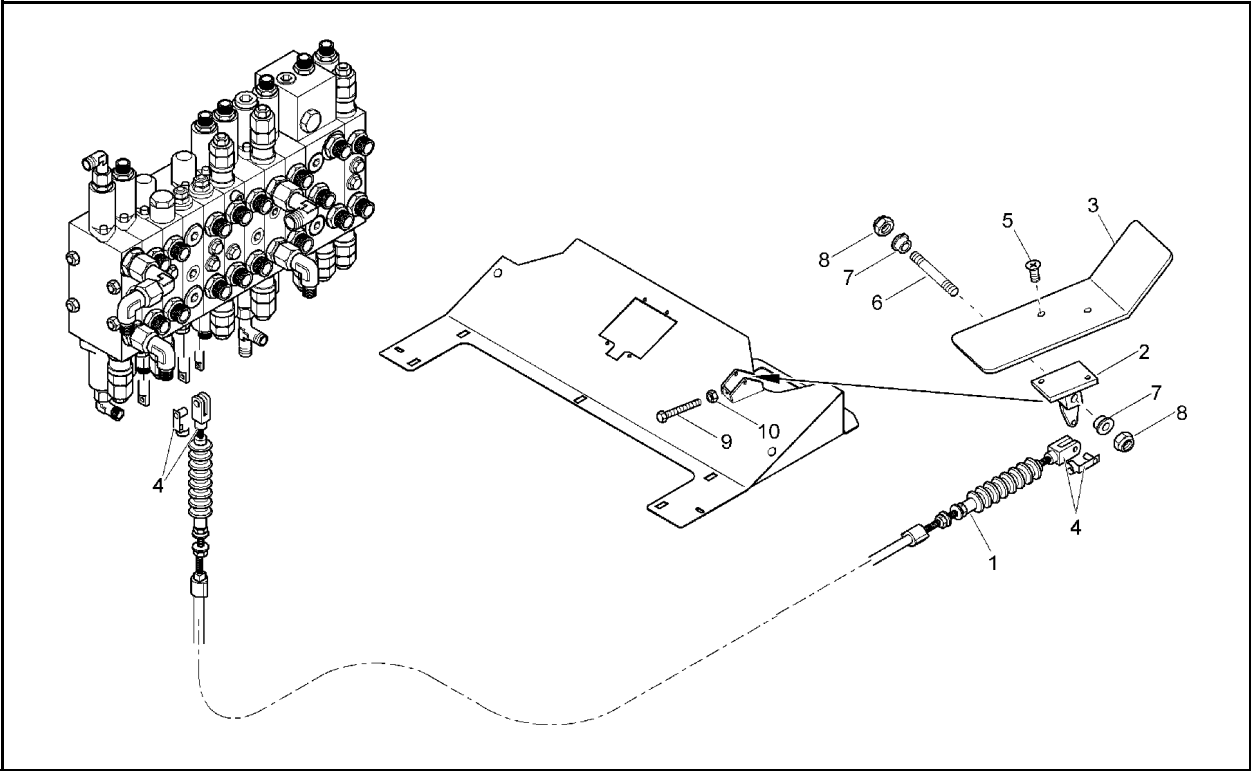


| Ref.<br>No. | Part No. | Description              | Qty. | Ref.<br>No. | Part No. | Description            | Qty. |
|-------------|----------|--------------------------|------|-------------|----------|------------------------|------|
| 1           | 165058   | CABLE                    | 1    | 7           | 165567   | BEARING                | 2    |
| 2           | 207470   | DOZER BLADE LEVEL        | 1    | 8           | 179793   | NUT                    | 2    |
| 3           | 162398   | KNOB                     | 1    | 9           | 162021   | SCREW                  | 2    |
| 4           | 179862   | CLEVIS                   | 2    | 10          | 656100   | HN M5-0.8 C8 ZY DIN934 | 2    |
| 5           | 161411   | GREASE ZERK-7MM HEX HEAD | 1    | 11          | 206082   | BELLOW                 | 1    |
| 6           | 207469   | PIN                      | 1    |             |          |                        |      |



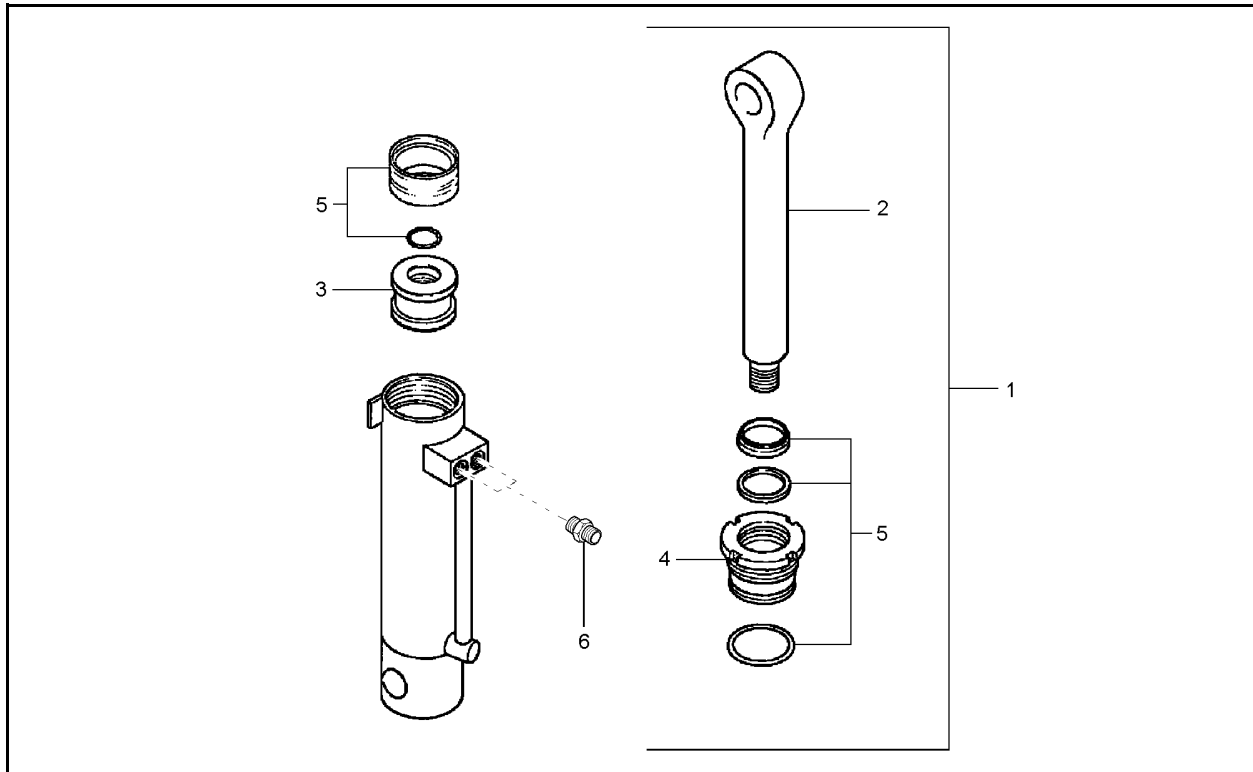
| Ref. No. | Part No. | Description              | Qty. | Ref. No. | Part No. | Description               | Qty. |
|----------|----------|--------------------------|------|----------|----------|---------------------------|------|
| 1        | 165860   | HP TUBE                  | 5    | 8        | 161429   | SCREW JOINT 12L           | 2    |
| 2        | 165883   | HP HOSE                  | 2    | 9        | 207180   | HEAT SHRINK SLEEVE (0.4M) | 1    |
| 3        | 165892   | HP TUBE                  | 1    | 10       | 207191   | HEAT SHRINK SLEEVE (2.1M) | 1    |
| 4        | 165886   | HP HOSE                  | 2    | 11       | 207185   | HEAT SHRINK SLEEVE (1.1M) | 1    |
| 5        | 162419   | HP HOSE                  | 1    | 12       | 165974   | REDUCTION JOINT           | 2    |
| 6        | 162441   | HP HOSE                  | 1    |          |          |                           |      |
| 7        | 165862   | HP HOSE/SHORT DIPPER ARM | 2    |          |          |                           |      |
|          | 165865   | HP HOSE/LONG DIPPER ARM  | 2    |          |          |                           |      |

3503/3703 - AUXILIARY HYDRAULICS PEDAL OPERATION  
1000139765



| Ref. | Part No. | Description                       | Qty. |
|------|----------|-----------------------------------|------|
| 1    | 165058   | CABLE                             | 1    |
| 2    | 165548   | LEVER                             | 1    |
| 3    | 206346   | PEDAL                             | 1    |
| 4    | 179862   | CLEVIS                            | 2    |
| 5    | 651465   | FHCS M8-1.25 X 16 C8.8 ZY DIN7991 | 2    |
| 6    | 207469   | PIN (SN AD02608 to AE02832)       | 1    |
|      | 165550   | PIN (SN AD00001 to AD02607)       | 1    |

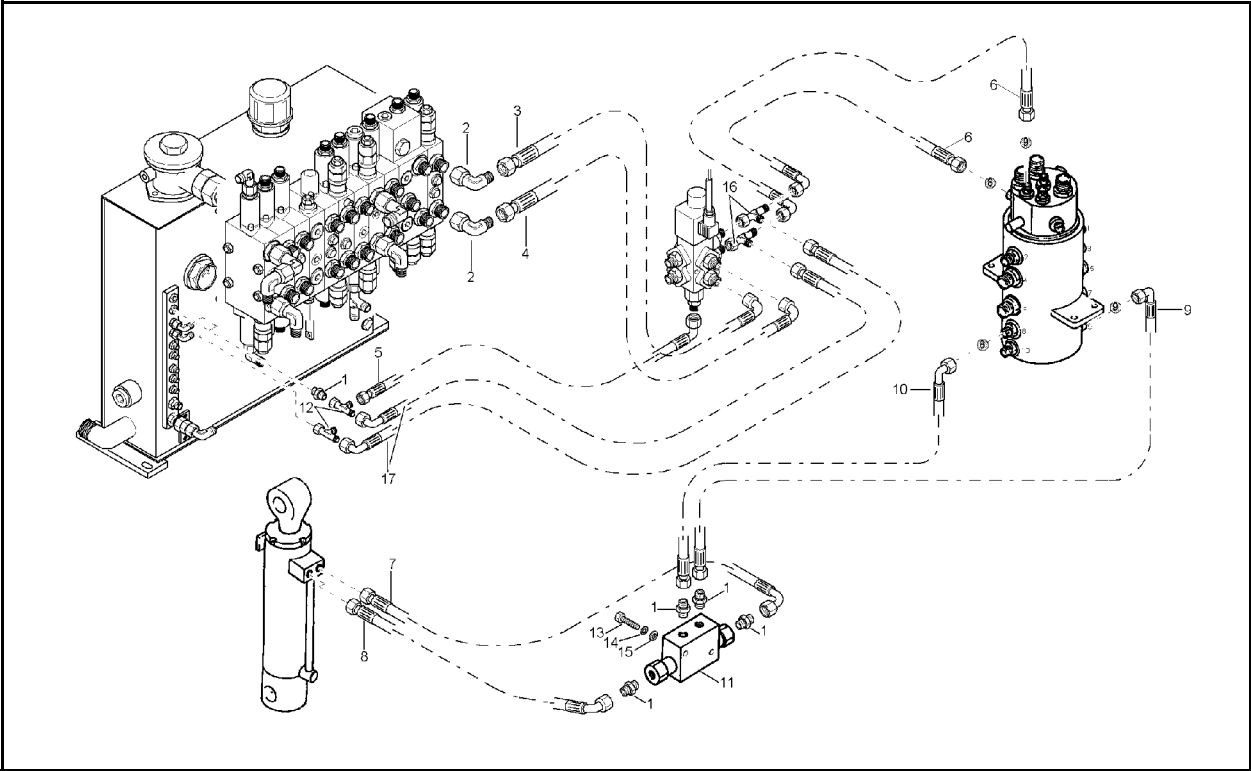
| Ref. | Part No. | Description            | Qty. |
|------|----------|------------------------|------|
| 7    | 165567   | BEARING                | 2    |
| 8    | 179793   | NUT                    | 2    |
| 9    | 162021   | SCREW                  | 2    |
| 10   | 656100   | HN M5-0.8 C8 ZY DIN934 | 2    |



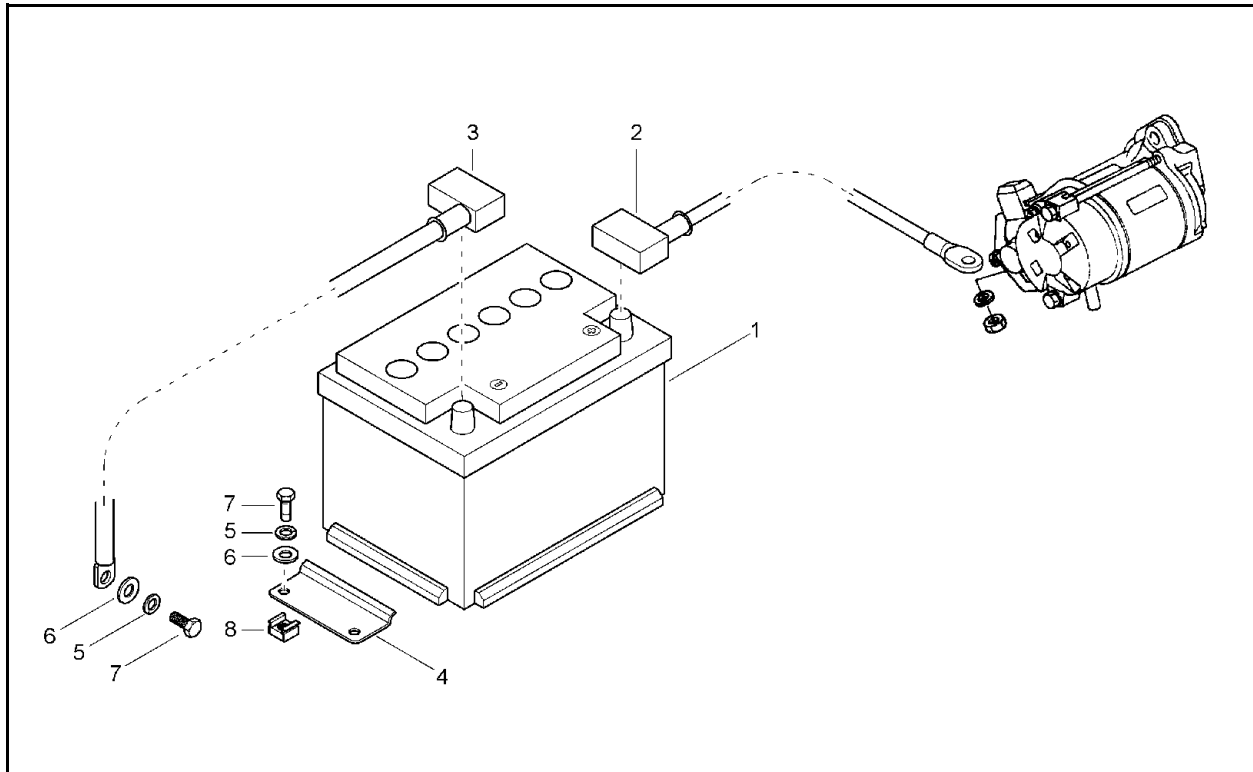
| Ref.<br>No. | Part No. | Description   | Qty. |
|-------------|----------|---------------|------|
| 1           | 160784   | TILT CYLINDER | 1    |
| 2           | 160786   | PISTON ROD    | 1    |
| 3           | 160787   | PISTON        | 1    |

| Ref.<br>No. | Part No. | Description | Qty. |
|-------------|----------|-------------|------|
| 4           | 160788   | GLAND       | 1    |
| 5           | 160789   | SEAL KIT    | 1    |
| 6           | 161426   | SCREW JOINT | 1    |

3703 - TILT CYLINDER HOSE INSTALLATION  
1000127302



| Ref. No. | Part No. | Description | Qty. | Ref. No. | Part No. | Description               | Qty. |
|----------|----------|-------------|------|----------|----------|---------------------------|------|
| 1        | 161426   | SCREW JOINT | 5    | 10       | 165831   | HP HOSE                   | 1    |
| 2        | 161446   | 90° FITTING | 2    | 11       | 160667   | NON RETURN VALVE          | 1    |
| 3        | 165888   | HP HOSE     | 1    | 12       | 161448   | TEE                       | 2    |
| 4        | 165868   | HP HOSE     | 1    | 13       | 179762   | SCREW                     | 2    |
| 5        | 161245   | HP HOSE     | 1    | 14       | 161674   | LOCKWASHER S16            | 2    |
| 6        | 161260   | HP HOSE     | 2    | 15       | 161659   | WASHER/GR A 5.3 ZO DIN125 | 2    |
| 7        | 161232   | HP HOSE     | 1    | 16       | 179067   | SCREW JOINT               | 2    |
| 8        | 165844   | HP HOSE     | 1    | 17       | 162960   | HP HOSE                   | 2    |
| 9        | 161268   | HP HOSE     | 1    |          |          |                           |      |



| Ref.<br>No. | Part No. | Description           | Qty. |
|-------------|----------|-----------------------|------|
| 1           |          | BATTERY*              | 1    |
| 2           | 178917   | BATTERY CABLE/POS (+) | 1    |
| 3           | 178918   | BATTERY CABLE/NEG (-) | 1    |
| 4           | 165036   | BRACKET               | 1    |
| 5           | 163670   | LOCKWASHER            | 3    |

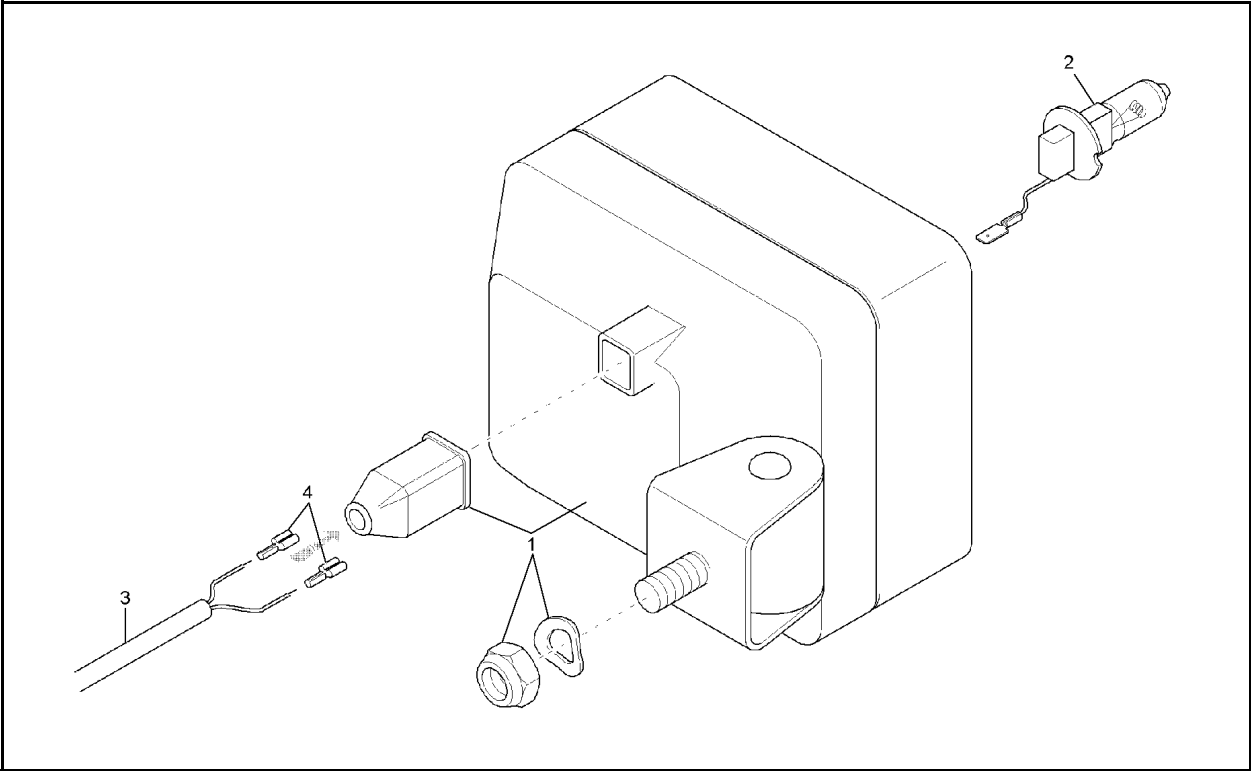
| Ref.<br>No. | Part No. | Description | Qty. |
|-------------|----------|-------------|------|
| 6           | 163634   | WASHER      | 3    |
| 7           | 177648   | HEX SCREW   | 3    |
| 8           | 161615   | NUT/CAGE M8 | 2    |

\* Purchase locally; group size 49 (alt. 93), 680 CCA.

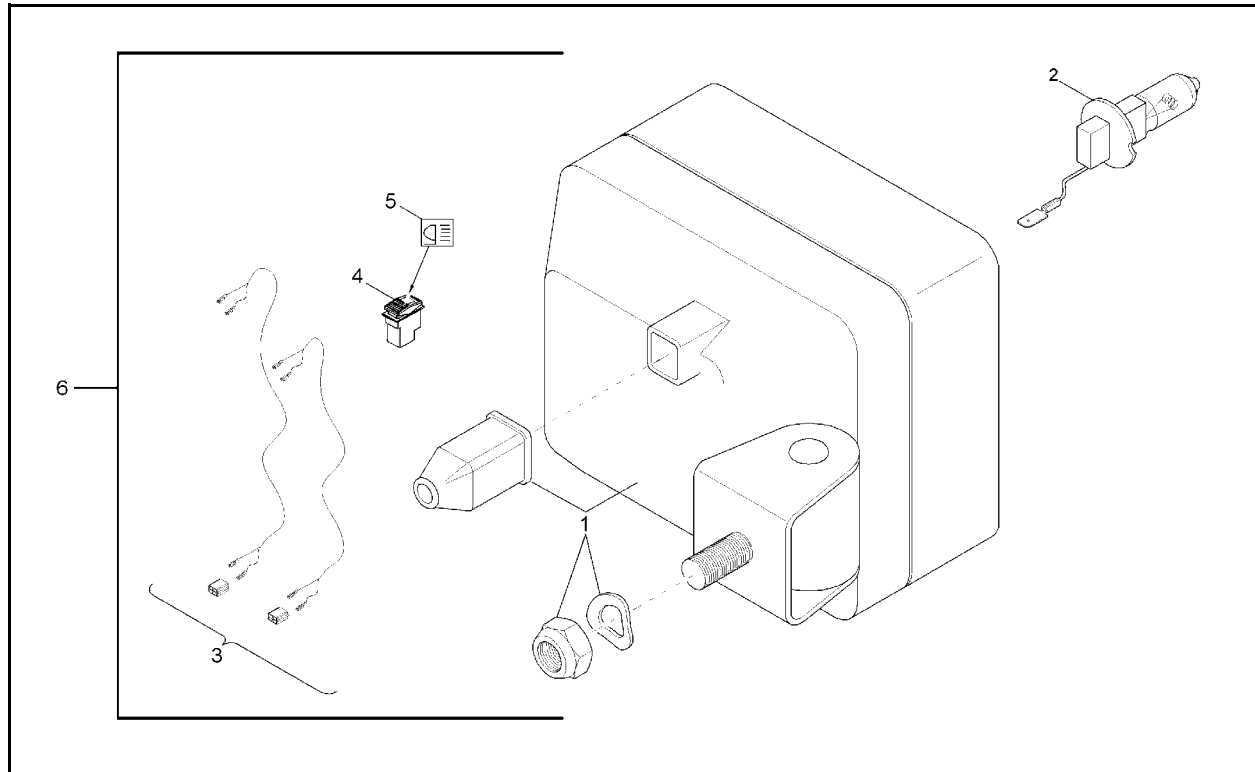
3503/3703 - BOOM WORK LIGHT

1000127327

<http://www.truckmanualshub.com/>

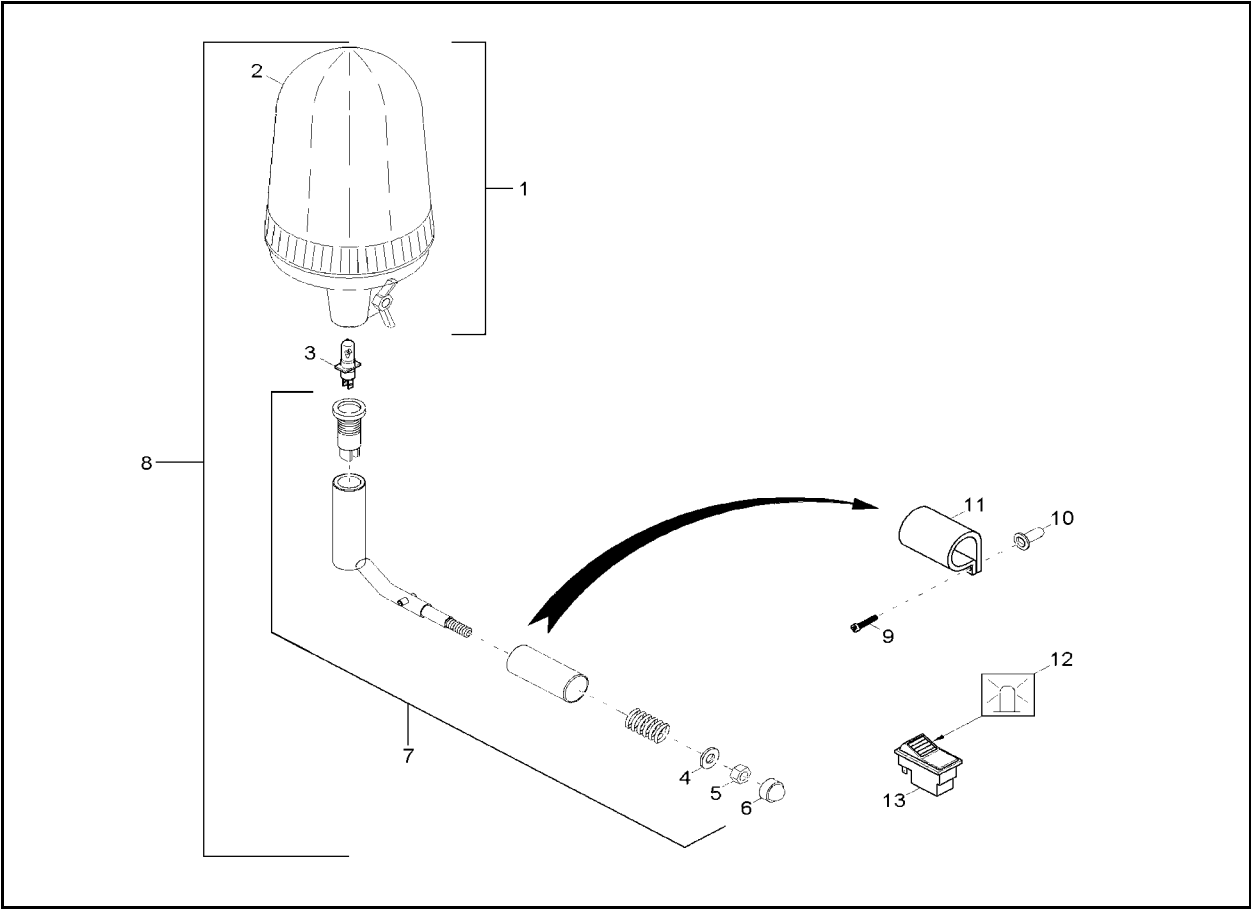


| Ref. No. | Part No. | Description         | Qty. | Ref. No. | Part No. | Description    | Qty. |
|----------|----------|---------------------|------|----------|----------|----------------|------|
| 1        | 160537   | WORK LIGHT COMPLETE | 1    | 3        | 165233   | WIRE HARNESS   | 1    |
| 2        | 161367   | HALOGEN BULB        | 1    | 4        | 161995   | SLIDE TERMINAL | 2    |



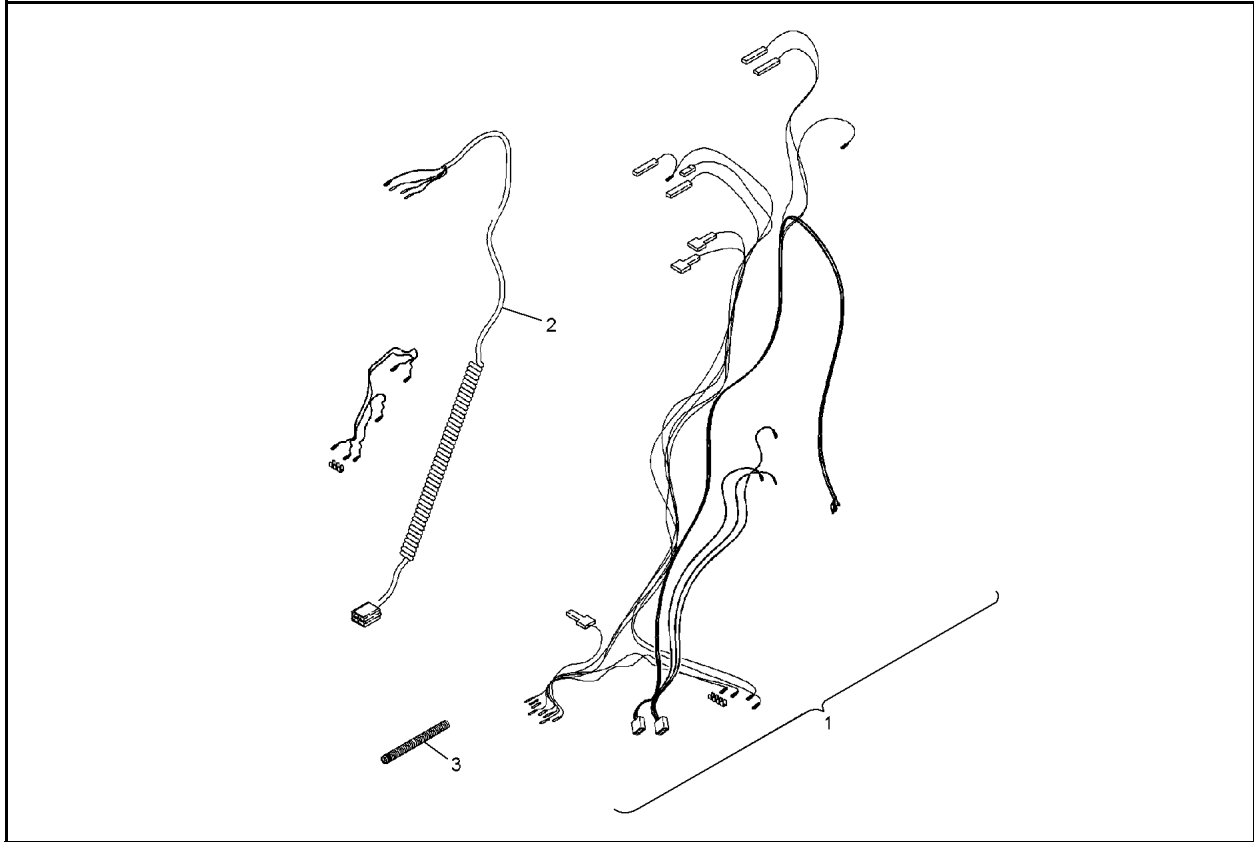
| Ref.<br>No. | Part No. | Description         | Qty. | Ref.<br>No. | Part No. | Description              | Qty. |
|-------------|----------|---------------------|------|-------------|----------|--------------------------|------|
| 1           | 160537   | WORK LIGHT COMPLETE | 3    | 4           | 164884   | ROCKER SWITCH-2 POSITION | 1    |
| 2           | 161367   | HALOGEN BULB        | 3    | 5           | 164871   | WORK LIGHT SYMBOL        | 1    |
| 3           | 178708   | CABLE               | 1    | 6           | 809344   | WORK LIGHT KIT           | 1    |

3503/3703 - ROTATING BEACON (OPTION)  
1000144744



| Ref. No. | Part No. | Description                  | Qty. |
|----------|----------|------------------------------|------|
| 1        | 165199   | LAMP COMPLETE                | 1    |
| 2        | 165207   | LENS                         | 1    |
| 3        | 179740   | HALOGEN LIGHT BULB           | 1    |
| 4        | 161668   | WASHER/GR A 8.4 ZO DIN134    | 1    |
| 5        | 651458   | LN INS M8-1.25 C8 ZY DIN6924 | 1    |
| 6        | 165052   | COVER                        | 1    |
| 7        | 165208   | LAMP ATTACHMENT              | 1    |

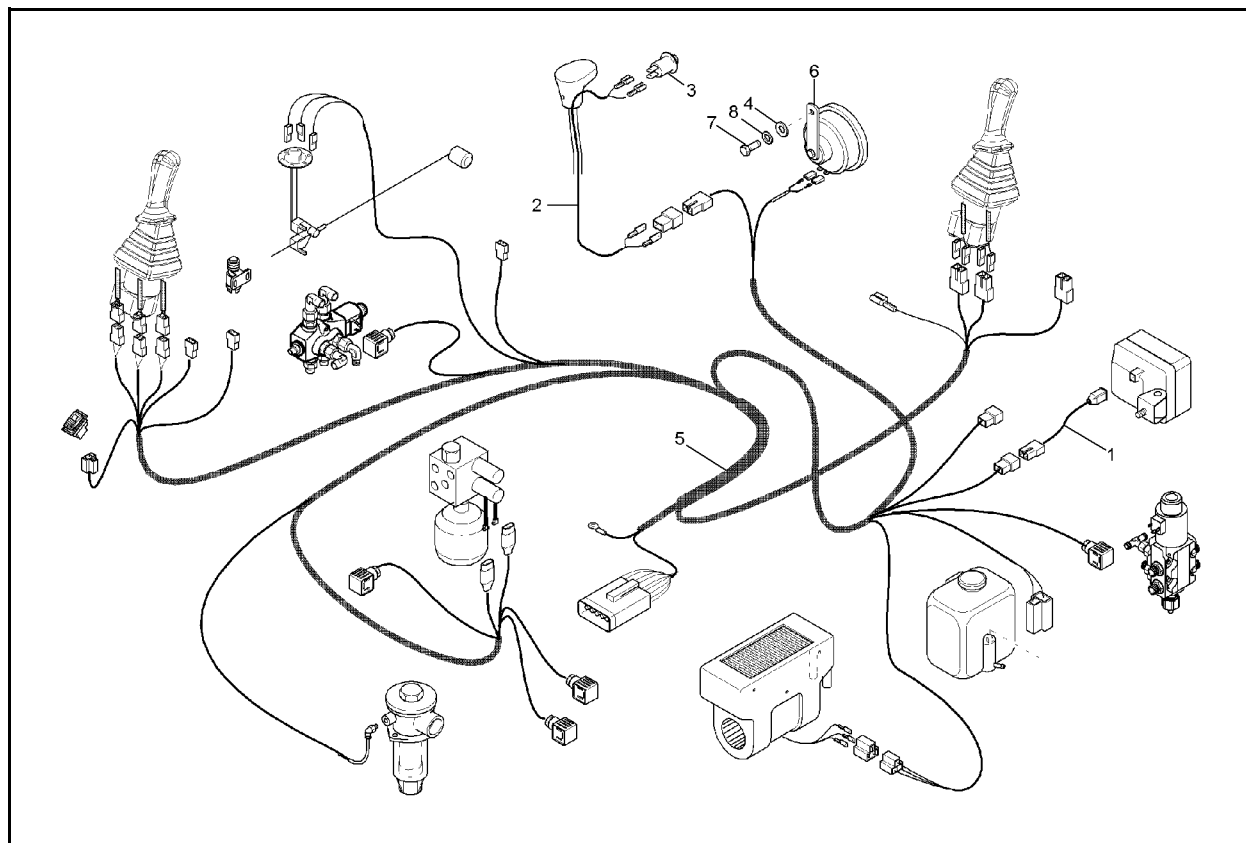
| Ref. No. | Part No. | Description          | Qty. |
|----------|----------|----------------------|------|
| 8        | 809312   | RETROFIT KIT         | 1    |
| 9        | 165941   | SCREW                | 2    |
| 10       | 204733   | BLIND RIVET NUT      | 2    |
| 11       | 165200   | BRACKET              | 1    |
| 12       | 177666   | SYMBOL/TURNING LIGHT | 1    |
| 13       | 164883   | ROCKER SWITCH        | 1    |



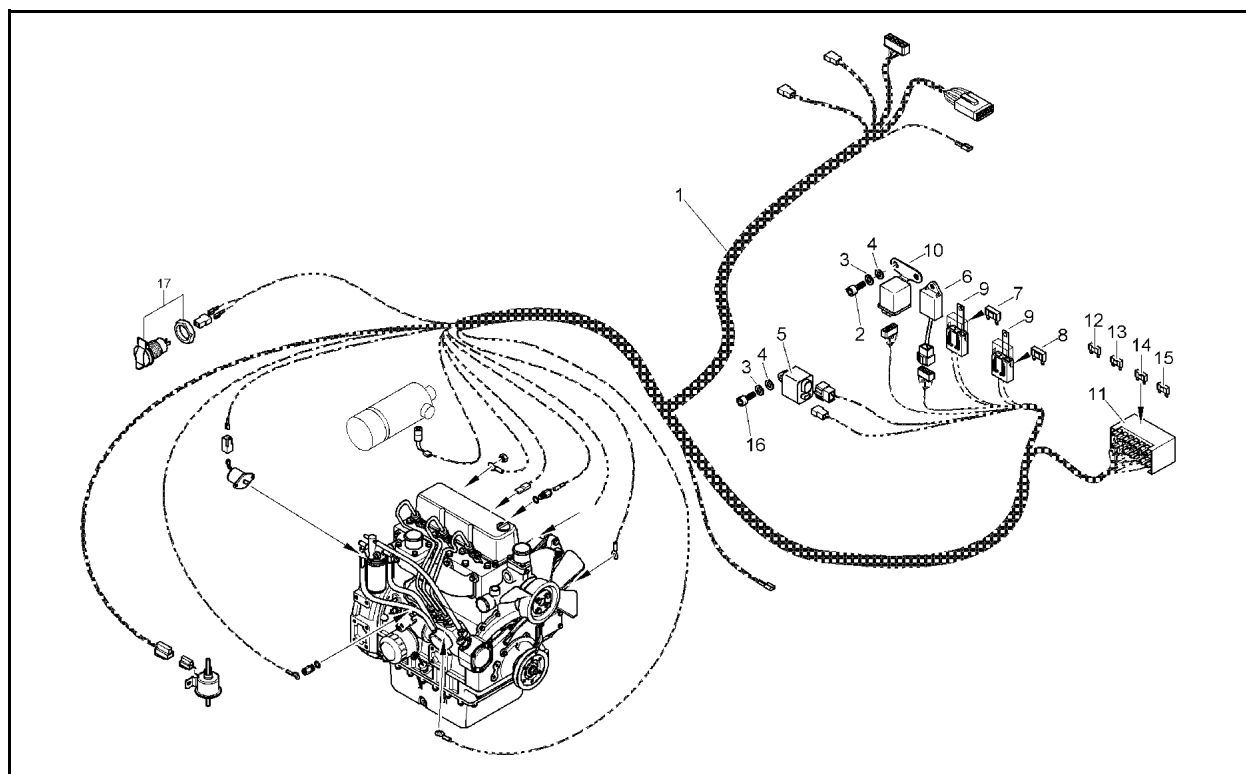
| Ref.<br>No. | Part No. | Description         | Qty. | Ref.<br>No. | Part No. | Description        | Qty. |
|-------------|----------|---------------------|------|-------------|----------|--------------------|------|
| 1           | 165243   | MAIN HARNESS WIRING | 1    | 3           | 207138   | TUBING SLIT (0.2M) | 1    |
| 2           | 165244   | WIRE                | 1    |             |          |                    |      |

# 3503/3703 - CHASSIS WIRE HARNESS

1000127324



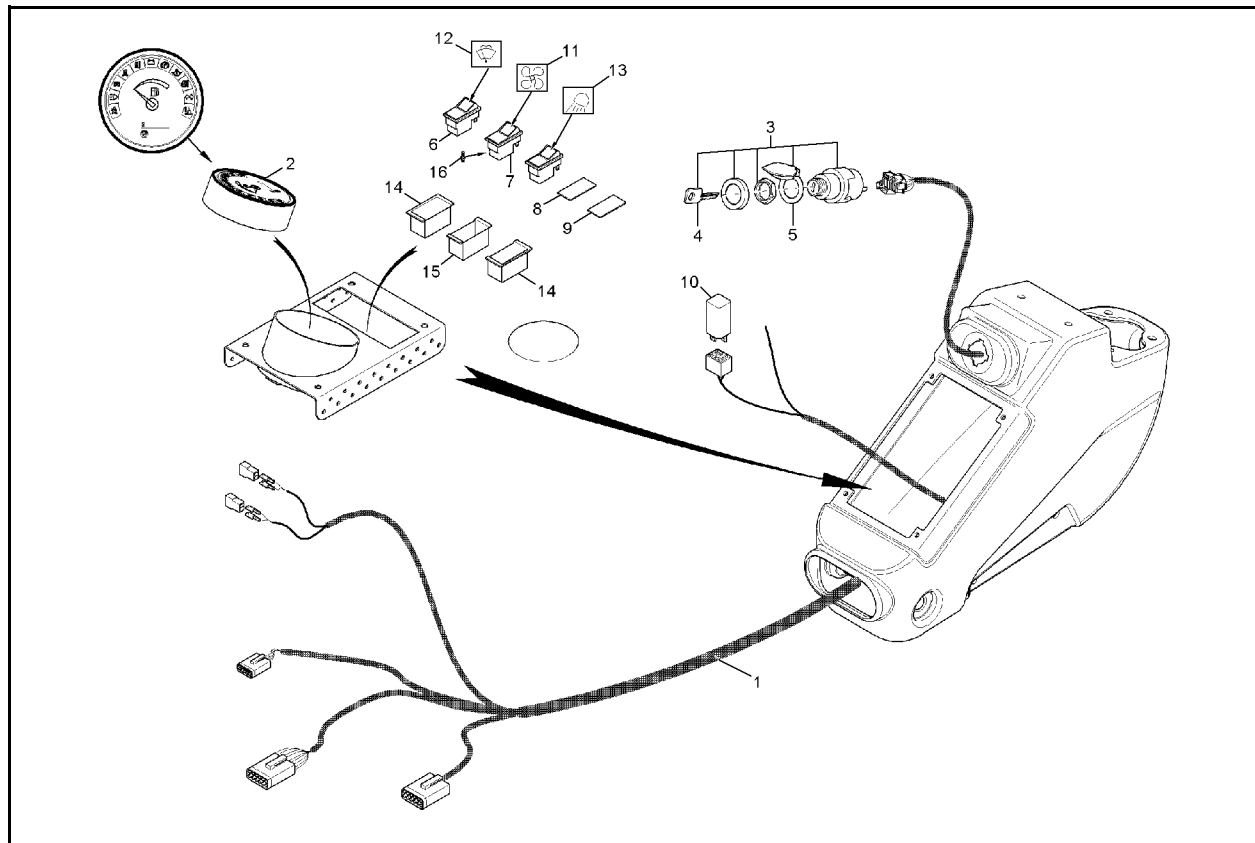
| Ref.<br>No. | Part No.   | Description       | Qty. | Ref.<br>No. | Part No. | Description          | Qty. |
|-------------|------------|-------------------|------|-------------|----------|----------------------|------|
| 1           | 165233     | WIRE HARNESS      | 1    | 5           | 178920   | CHASSIS WIRE HARNESS | 1    |
| 2           | 165232     | HARNESS WIRING    | 1    | 6           | 161366   | HORN                 | 1    |
| 3           | 161363     | SWITCH            | 1    | 7           | 177648   | HEX SCREW            | 1    |
| 4           | 7462680011 | WASHER 8.4 ST A2C | 1    | 8           | 163670   | LOCKWASHER           | 1    |



| Ref.<br>No. | Part No.   | Description                 | Qty. | Ref.<br>No. | Part No. | Description                   | Qty. |
|-------------|------------|-----------------------------|------|-------------|----------|-------------------------------|------|
| 1           | 177422     | ENGINE WIRING HARNESS       | 1    | 10          | 160889   | RELAY 40 A                    | 1    |
| 2           | 656149     | CS M6-1 X 16 C8.8 ZY DIN931 | 5    | 11          | 161364   | FUSE BOX                      | 1    |
| 3           | 161675     | LOCKWASHER S6               | 6    | 12          | 161376   | FUSE 7.5 A                    | 1    |
| 4           | 161660     | WASHER GR A6.4 ZO DIN 125   | 6    | 13          | 161374   | FUSE 10 A                     | 1    |
| 5           | 178930     | RELAY 15A                   | 1    | 14          | 161375   | FUSE 15 A                     | 1    |
| 6           | 160821     | RELAY 10 A                  | 1    | 15          | 162836   | FUSE 30 A                     | 1    |
| 7           | 179741     | FUSE 10A                    | 1    | 16          | 651507   | SHCS M6-1 X 20 C8.8 ZY DIN912 | 1    |
| 8           | 162838     | FUSE 40 A                   | 1    | 17          | 161732   | SOCKET                        | 1    |
| 9           | 0003330440 | SUPPORT                     | 2    | 18          | 205343   | COVER FUSE BOX                | 1    |

# 3503/3703 - ARMREST WIRE HARNESS

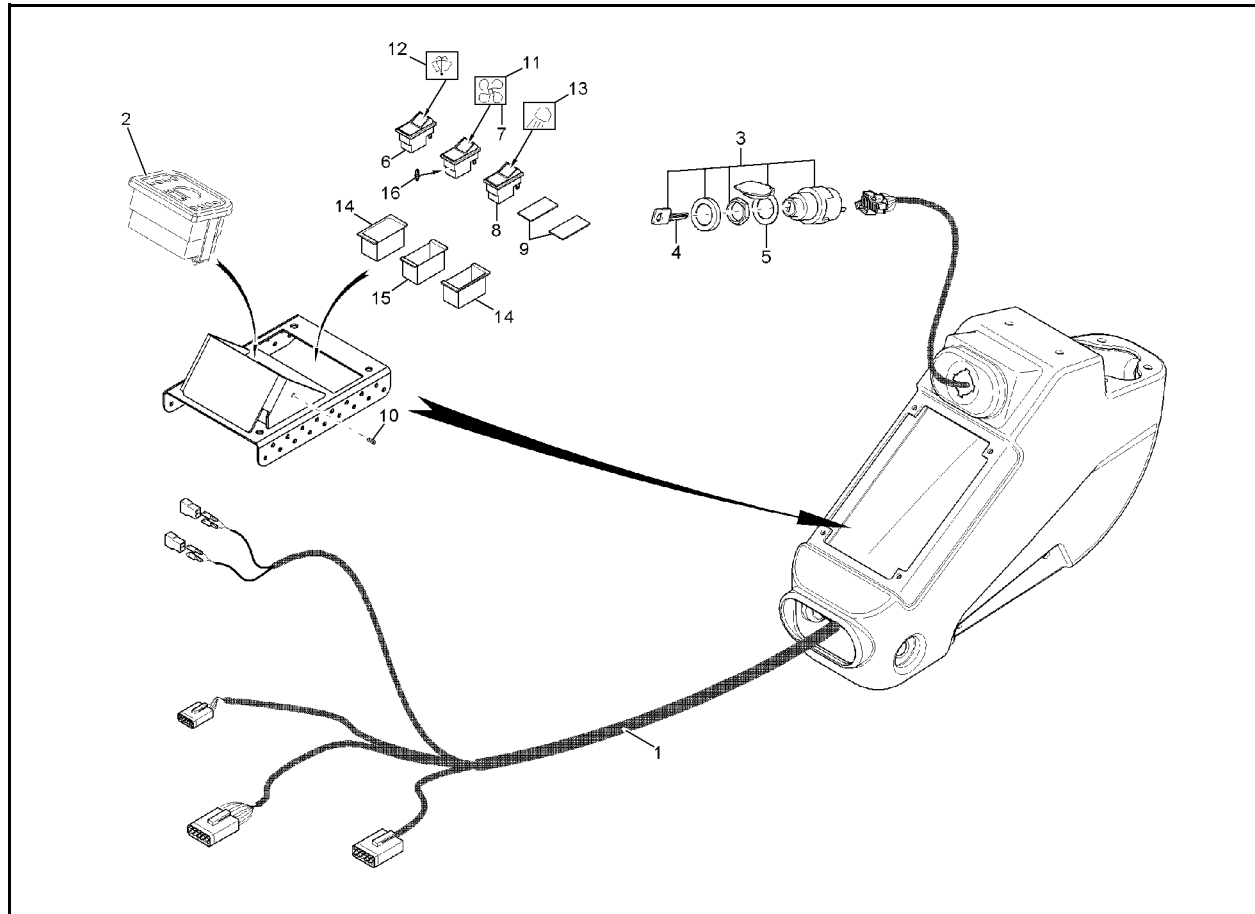
## 1000147801 - (SN AD03525 AND UP)



| Ref.<br>No. | Part No.   | Description                       | Qty. |
|-------------|------------|-----------------------------------|------|
| 1           | 207056     | ARMREST WIRE HARNESS              | 1    |
| 2           | 177095     | INSTRUMENT CLUSTER                | 1    |
| 3           | 0003331306 | PREHEATING START SWITCH<br>W/KEYS | 1    |
| 4           | 101792     | KEY*                              | 1    |
| 5           | 161368     | COVER                             | 1    |
| 6           | 164881     | ROCKER SWITCH                     | 1    |
| 7           | 165236     | ROCKER SWITCH                     | 1    |
| 8           | 164883     | ROCKER SWITCH                     | 1    |

| Ref.<br>No. | Part No.   | Description            | Qty. |
|-------------|------------|------------------------|------|
| 9           | 0003320872 | BLANK                  | 2    |
| 10          | 207057     | SIGNAL                 | 1    |
| 11          | 164708     | VENTILATION FAN SYMBOL | 1    |
| 12          | 164709     | WIPER SYMBOL           | 1    |
| 13          | 164879     | WORK LIGHT SYMBOL      | 1    |
| 14          | 209196     | FRAME                  | 2    |
| 15          | 209197     | FRAME                  | 3    |
| 16          | 177646     | BULB                   | 3    |

\* Same key(s) to start engine and operate all locks on unit.

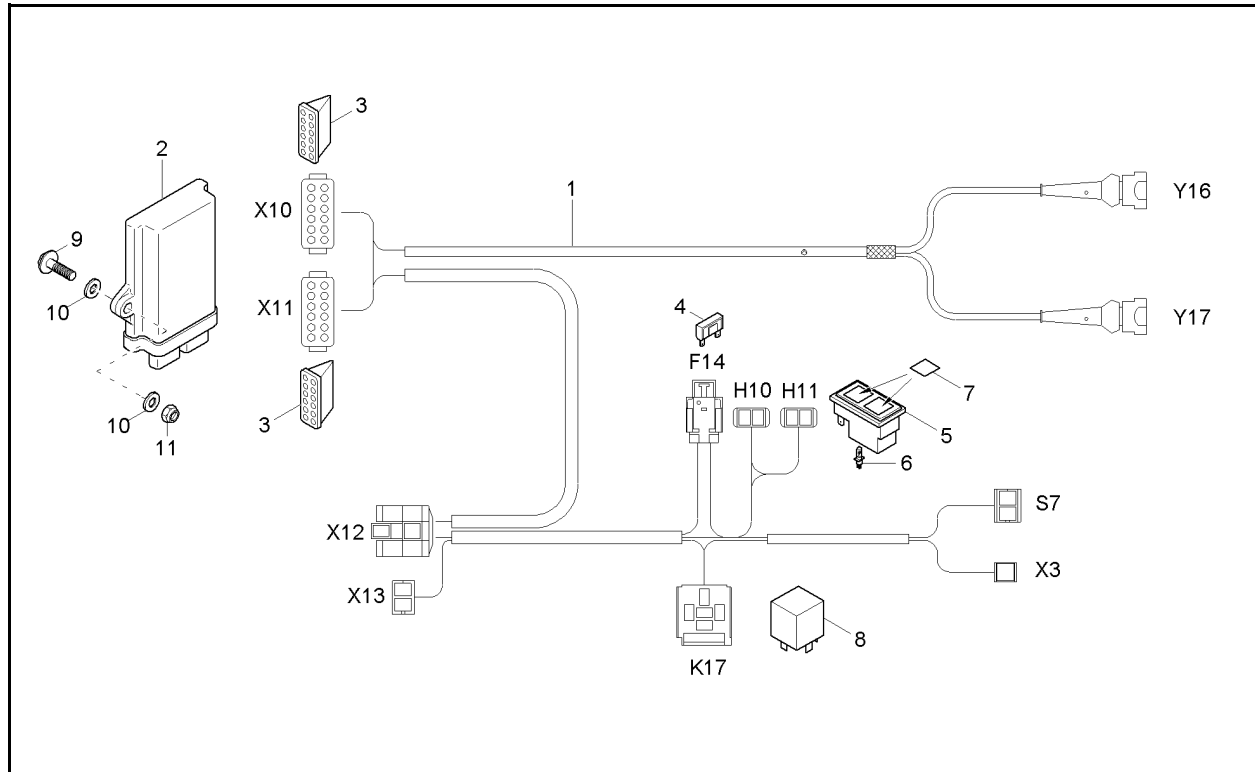


| Ref.<br>No. | Part No.   | Description                       | Qty. |
|-------------|------------|-----------------------------------|------|
| 1           | 178921     | ARMREST WIRE HARNESS              | 1    |
| 2           | 164285     | DISPLAY UNIT                      | 1    |
| 3           | 0003331306 | PREHEATING START SWITCH<br>W/KEYS | 1    |
| 4           | 101792     | KEY*                              | 1    |
| 5           | 161368     | COVER                             | 1    |
| 6           | 164881     | ROCKER SWITCH                     | 1    |
| 7           | 165236     | ROCKER SWITCH                     | 1    |
| 8           | 164883     | ROCKER SWITCH                     | 1    |

| Ref.<br>No. | Part No.   | Description            | Qty. |
|-------------|------------|------------------------|------|
| 9           | 0003320872 | BLANK                  | 2    |
| 10          | 179777     | SET SCREW              | 2    |
| 11          | 164708     | VENTILATION FAN SYMBOL | 1    |
| 12          | 164709     | WIPER SYMBOL           | 1    |
| 13          | 164879     | WORK LIGHT SYMBOL      | 1    |
| 14          | 209196     | FRAME                  | 2    |
| 15          | 209197     | FRAME                  | 3    |
| 16          | 177646     | BULB                   | 3    |

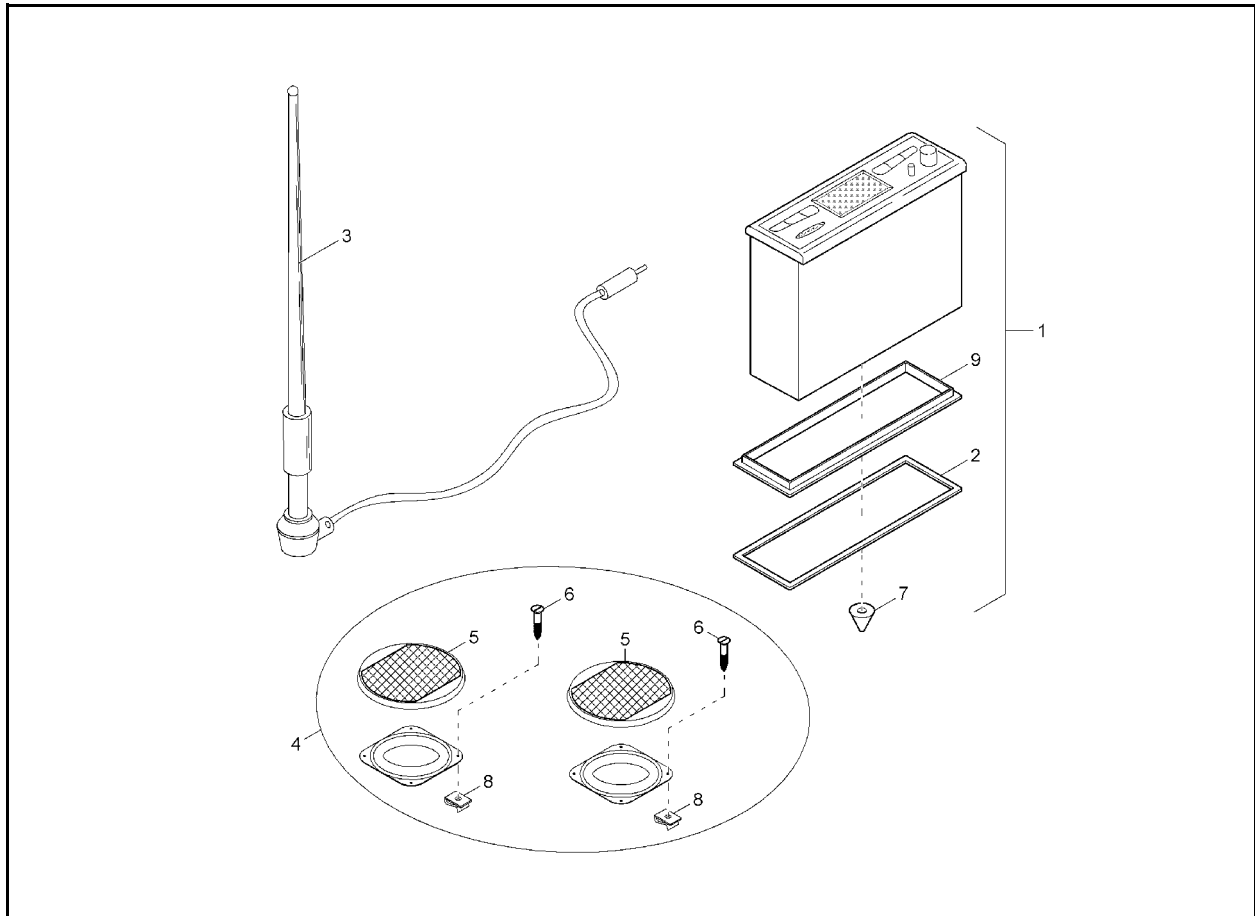
\* Same key(s) to start engine and operate all locks on unit.

# 3503/3703 - PROPORTIONAL CONTROL WIRE HARNESS (OPTION) 1000166037 - (SN AE00561 AND UP)



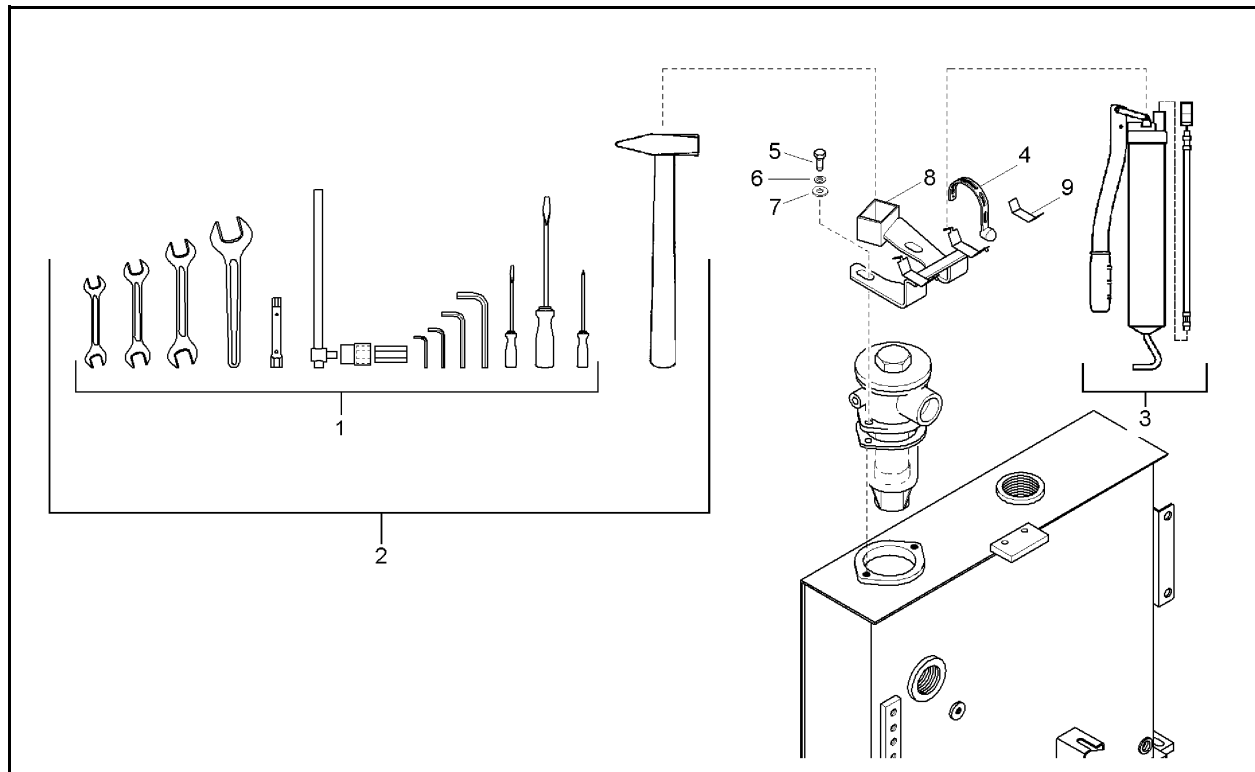
| Ref. No. | Part No.   | Description   | Qty. |
|----------|------------|---------------|------|
| 1        | 204694     | WIRE HARNESS  | 1    |
| 2        | 205895     | CONTROL       | 1    |
| 3        | 201679     | PIN HOUSING   | 2    |
| 4        | 7733661603 | FLAT FUSE 5 A | 1    |
| 5        | 0003325912 | INDICATOR     | 1    |
| 6        | 177646     | BULB          | 2    |

| Ref. No. | Part No.   | Description               | Qty. |
|----------|------------|---------------------------|------|
| 7        | 205671     | SYMBOL RED                | 2    |
| 8        | 205214     | RELAY 40/60 AMP           | 1    |
| 9        | 204697     | SCREW M6 X 30             | 2    |
| 10       | 7462680008 | WASHER                    | 4    |
| 11       | 651457     | LN INS M6-1 C8 ZY DIN6924 | 2    |



| Ref. No. | Part No. | Description   | Qty. |
|----------|----------|---------------|------|
| 1        | 201839   | RADIO         | 1    |
| 2        | 164187   | FRAME         | 2    |
| 3        | 162839   | ANTENNA       | 1    |
| 4        | 165204   | SPEAKER KIT   | 1    |
| 5        | 206003   | SPEAKER COVER | 2    |

| Ref. No. | Part No. | Description    | Qty. |
|----------|----------|----------------|------|
| 6        | 162035   | SCREW          | 8    |
| 7        | 178107   | RUBBER BUFFER  | 1    |
| 8        | 164683   | NUT            | 8    |
| 9        | 205940   | MOUNTING FRAME | 1    |



| Ref.<br>No. | Part No. | Description                       | Qty. |
|-------------|----------|-----------------------------------|------|
| 1           | 177855   | TOOL KIT W/O HAMMER               | 1    |
| 2           | 161988   | TOOL KIT W/HAMMER                 | 1    |
| 3           | 161992   | GREASE GUN                        | 1    |
| 4           | 165572   | RUBBER TENSION STRAP              | 2    |
| 5           | 651475   | SHCS M10-1.25 X 30 F8.8 ZY DIN912 | 2    |

| Ref.<br>No. | Part No. | Description          | Qty. |
|-------------|----------|----------------------|------|
| 6           | 161669   | LOCKWASHER S10       | 2    |
| 7           | 161640   | WASHER/GR A 10.5     | 2    |
| 8           | 165713   | GREASE GUN BRACKET   | 1    |
| 9           | 207153   | SEALING TAPE (0.15M) | 1    |

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| 137499   | 100      | 17       | 160657   | 105      | 12       | 160821   | 171      | 6        |
| 137499   | 101      | 17       | 160658   | 134      | 14       | 160844   | 101      | 15       |
| 137500   | 81       | 9        | 160658   | 135      | 14       | 160844   | 102      | 10       |
| 137500   | 82       | 9        | 160667   | 164      | 11       | 160860   | 58       | 11       |
| 137571   | 4        | 34       | 160723   | 10       | 7        | 160860   | 59       | 11       |
| 137571   | 6        | 34       | 160723   | 14       | 7        | 160860   | 60       | 11       |
| 160409   | 26       | 26       | 160723   | 18       | 7        | 160871   | 117      | 1        |
| 160424   | 107      | 11       | 160723   | 22       | 7        | 160882   | 31       | 14       |
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| 160436   | 96       | 12       | 160724   | 37       | 12       | 160941   | 40       | 2        |
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| 161236   | 143      | 5        | 161411   | 14       | 28       | 161422   | 11       | 40       |
| 161245   | 164      | 5        | 161411   | 20       | 28       | 161422   | 17       | 48       |
| 161260   | 119      | 13       | 161411   | 22       | 28       | 161422   | 19       | 48       |
| 161260   | 164      | 6        | 161411   | 26       | 10       | 161422   | 26       | 11       |
| 161263   | 115      | 2        | 161411   | 28       | 4        | 161422   | 28       | 5        |
| 161267   | 119      | 1        | 161411   | 29       | 4        | 161422   | 29       | 5        |
| 161268   | 164      | 9        | 161411   | 34       | 10       | 161422   | 34       | 11       |
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| 161290   | 153      | 2        | 161411   | 39       | 14       | 161422   | 39       | 15       |
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| 161363   | 135      | 24       | 161412   | 18       | 19       | 161422   | 154      | 7        |
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| 161426   | 116      | 38       | 161431   | 138      | 4        | 161448   | 135      | 7        |
| 161426   | 125      | 6        | 161431   | 148      | 14       | 161448   | 143      | 2        |
| 161426   | 126      | 2        | 161431   | 149      | 14       | 161448   | 164      | 12       |
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| 161426   | 127      | 11       | 161438   | 97       | 36       | 161450   | 126      | 8        |
| 161426   | 128      | 3        | 161438   | 98       | 24       | 161450   | 127      | 9        |
| 161426   | 129      | 3        | 161438   | 125      | 11       | 161450   | 127      | 10       |
| 161426   | 130      | 4        | 161441   | 116      | 30       | 161451   | 138      | 6        |
| 161426   | 131      | 2        | 161443   | 97       | 26       | 161456   | 120      | 14       |
| 161426   | 134      | 6        | 161443   | 98       | 26       | 161456   | 122      | 14       |
| 161426   | 135      | 25       | 161443   | 110      | 15       | 161456   | 123      | 14       |
| 161426   | 138      | 7        | 161443   | 116      | 13       | 161457   | 28       | 13       |
| 161426   | 139      | 11       | 161443   | 117      | 12       | 161457   | 29       | 13       |
| 161426   | 140      | 3        | 161443   | 120      | 4        | 161461   | 28       | 6        |
| 161426   | 141      | 2        | 161443   | 122      | 4        | 161461   | 29       | 6        |
| 161426   | 142      | 3        | 161443   | 123      | 4        | 161463   | 126      | 10       |
| 161426   | 143      | 1        | 161443   | 125      | 12       | 161463   | 127      | 2        |
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| 161427   | 140      | 5        | 161443   | 142      | 4        | 161464   | 108      | 2        |
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| 161428   | 126      | 4        | 161446   | 110      | 12       | 161468   | 29       | 9        |
| 161428   | 126      | 7        | 161446   | 116      | 31       | 161469   | 28       | 10       |
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| 161429   | 60       | 17       | 161446   | 123      | 10       | 161476   | 58       | 14       |
| 161429   | 116      | 11       | 161446   | 127      | 8        | 161476   | 59       | 14       |
| 161429   | 126      | 6        | 161446   | 164      | 2        | 161476   | 60       | 14       |

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| 161536   | 36       | 25       |
| 161536   | 37       | 19       |
| 161536   | 38       | 3        |
| 161538   | 150      | 10       |
| 161538   | 151      | 2        |
| 161538   | 152      | 10       |
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| 161542   | 35       | 5        |
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| 161615   | 33       | 22       |
| 161615   | 54       | 17       |
| 161615   | 56       | 17       |
| 161615   | 58       | 3        |
| 161615   | 59       | 3        |
| 161615   | 60       | 3        |
| 161615   | 107      | 15       |
| 161615   | 108      | 6        |
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| 161616   | 53       | 7        |
| 161618   | 50       | 10       |
| 161618   | 52       | 10       |
| 161618   | 54       | 30       |
| 161618   | 56       | 30       |
| 161623   | 24       | 9        |
| 161623   | 25       | 9        |
| 161624   | 9        | 25       |
| 161624   | 10       | 25       |
| 161624   | 12       | 25       |
| 161624   | 14       | 25       |
| 161624   | 16       | 25       |
| 161624   | 18       | 25       |
| 161624   | 20       | 25       |
| 161624   | 22       | 25       |
| 161627   | 26       | 27       |
| 161627   | 30       | 26       |
| 161629   | 45       | 13       |
| 161630   | 59       | 8        |

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| 161630   | 60       | 8        |
| 161630   | 107      | 18       |
| 161631   | 54       | 41       |
| 161631   | 56       | 41       |
| 161634   | 55       | 57       |
| 161634   | 57       | 57       |
| 161636   | 9        | 36       |
| 161636   | 11       | 36       |
| 161636   | 12       | 15       |
| 161636   | 14       | 15       |
| 161636   | 16       | 36       |
| 161636   | 18       | 36       |
| 161636   | 21       | 46       |
| 161636   | 23       | 46       |
| 161636   | 26       | 4        |
| 161638   | 12       | 18       |
| 161638   | 14       | 18       |
| 161638   | 21       | 50       |
| 161638   | 23       | 50       |
| 161640   | 9        | 23       |
| 161640   | 10       | 23       |
| 161640   | 12       | 23       |
| 161640   | 14       | 23       |
| 161640   | 16       | 23       |
| 161640   | 18       | 23       |
| 161640   | 20       | 23       |
| 161640   | 22       | 23       |
| 161640   | 27       | 47       |
| 161640   | 44       | 27       |
| 161640   | 45       | 27       |
| 161640   | 64       | 7        |
| 161640   | 103      | 8        |
| 161640   | 116      | 22       |
| 161640   | 134      | 19       |
| 161640   | 135      | 19       |
| 161640   | 154      | 5        |
| 161640   | 155      | 5        |
| 161640   | 158      | 5        |
| 161640   | 176      | 7        |

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| 161642   | 26       | 31       | 161660   | 171      | 4        | 161669   | 122      | 19       |
| 161642   | 44       | 31       | 161662   | 9        | 32       | 161669   | 123      | 19       |
| 161642   | 45       | 31       | 161662   | 10       | 32       | 161669   | 134      | 18       |
| 161642   | 55       | 64       | 161662   | 16       | 32       | 161669   | 135      | 18       |
| 161642   | 56       | 7        | 161662   | 18       | 32       | 161669   | 154      | 4        |
| 161642   | 148      | 17       | 161663   | 32       | 5        | 161669   | 155      | 4        |
| 161642   | 149      | 23       | 161663   | 33       | 5        | 161669   | 158      | 4        |
| 161643   | 16       | 41       | 161663   | 93       | 16       | 161669   | 176      | 6        |
| 161643   | 19       | 41       | 161663   | 96       | 7        | 161674   | 96       | 17       |
| 161643   | 20       | 18       | 161663   | 97       | 7        | 161674   | 97       | 17       |
| 161643   | 22       | 18       | 161663   | 98       | 7        | 161674   | 98       | 17       |
| 161645   | 30       | 24       | 161663   | 116      | 35       | 161674   | 164      | 14       |
| 161645   | 106      | 27       | 161668   | 50       | 9        | 161675   | 28       | 3        |
| 161645   | 107      | 4        | 161668   | 52       | 11       | 161675   | 29       | 3        |
| 161650   | 149      | 17       | 161668   | 168      | 4        | 161675   | 30       | 28       |
| 161651   | 54       | 34       | 161669   | 9        | 22       | 161675   | 32       | 25       |
| 161651   | 56       | 34       | 161669   | 10       | 22       | 161675   | 33       | 25       |
| 161658   | 98       | 2        | 161669   | 12       | 22       | 161675   | 42       | 10       |
| 161659   | 27       | 52       | 161669   | 14       | 22       | 161675   | 43       | 10       |
| 161659   | 96       | 18       | 161669   | 16       | 22       | 161675   | 99       | 19       |
| 161659   | 97       | 18       | 161669   | 18       | 22       | 161675   | 100      | 19       |
| 161659   | 98       | 18       | 161669   | 20       | 22       | 161675   | 101      | 19       |
| 161659   | 164      | 15       | 161669   | 22       | 22       | 161675   | 106      | 17       |
| 161660   | 28       | 12       | 161669   | 27       | 44       | 161675   | 128      | 5        |
| 161660   | 29       | 12       | 161669   | 31       | 22       | 161675   | 129      | 5        |
| 161660   | 30       | 8        | 161669   | 32       | 20       | 161675   | 130      | 5        |
| 161660   | 31       | 43       | 161669   | 33       | 20       | 161675   | 131      | 6        |
| 161660   | 32       | 26       | 161669   | 36       | 3        | 161675   | 139      | 8        |
| 161660   | 33       | 26       | 161669   | 37       | 3        | 161675   | 140      | 7        |
| 161660   | 104      | 6        | 161669   | 44       | 3        | 161675   | 141      | 5        |
| 161660   | 105      | 6        | 161669   | 45       | 26       | 161675   | 142      | 6        |
| 161660   | 128      | 6        | 161669   | 64       | 6        | 161675   | 171      | 3        |
| 161660   | 129      | 6        | 161669   | 96       | 6        | 161678   | 96       | 27       |
| 161660   | 130      | 6        | 161669   | 97       | 6        | 161678   | 97       | 27       |
| 161660   | 131      | 7        | 161669   | 98       | 6        | 161678   | 98       | 27       |
| 161660   | 139      | 2        | 161669   | 103      | 7        | 161678   | 131      | 8        |
| 161660   | 140      | 2        | 161669   | 116      | 4        | 161682   | 34       | 4        |
| 161660   | 141      | 6        | 161669   | 117      | 9        | 161682   | 35       | 4        |
| 161660   | 142      | 7        | 161669   | 120      | 19       | 161682   | 36       | 4        |

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| 161682   | 37       | 4        | 161965   | 6        | 1        | 162041   | 30       | 20       |
| 161682   | 38       | 17       | 161966   | 4        | 2        | 162041   | 120      | 17       |
| 161683   | 26       | 39       | 161966   | 6        | 2        | 162041   | 122      | 17       |
| 161683   | 40       | 6        | 161967   | 4        | 4        | 162041   | 123      | 17       |
| 161686   | 34       | 2        | 161967   | 6        | 4        | 162048   | 55       | 66       |
| 161686   | 35       | 2        | 161968   | 4        | 9        | 162048   | 57       | 47       |
| 161686   | 36       | 24       | 161968   | 6        | 9        | 162064   | 58       | 10       |
| 161686   | 37       | 18       | 161969   | 4        | 3        | 162064   | 59       | 10       |
| 161686   | 38       | 18       | 161969   | 6        | 3        | 162064   | 60       | 10       |
| 161687   | 34       | 16       | 161970   | 4        | 23       | 162064   | 78       | 9        |
| 161687   | 35       | 16       | 161970   | 6        | 23       | 162064   | 79       | 10       |
| 161687   | 36       | 16       | 161981   | 4        | 21       | 162065   | 99       | 10       |
| 161687   | 37       | 16       | 161981   | 6        | 21       | 162065   | 100      | 10       |
| 161722   | 28       | 1        | 161982   | 4        | 22       | 162065   | 106      | 31       |
| 161722   | 29       | 1        | 161982   | 6        | 22       | 162066   | 39       | 22       |
| 161730   | 54       | 25       | 161985   | 4        | 14       | 162125   | 112      | 8        |
| 161730   | 56       | 25       | 161985   | 6        | 14       | 162125   | 113      | 13       |
| 161732   | 171      | 17       | 161986   | 4        | 5        | 162130   | 113      | 7        |
| 161764   | 134      | 15       | 161986   | 6        | 5        | 162181   | 113      | 10       |
| 161764   | 135      | 15       | 161987   | 4        | 13       | 162186   | 112      | 17       |
| 161848   | 54       | 31       | 161987   | 6        | 13       | 162186   | 113      | 6        |
| 161848   | 56       | 31       | 161988   | 176      | 2        | 162186   | 113      | 19       |
| 161856   | 106      | 34       | 161992   | 176      | 3        | 162218   | 54       | 2        |
| 161868   | 54       | 21       | 161995   | 166      | 4        | 162218   | 56       | 4        |
| 161868   | 56       | 21       | 162021   | 160      | 9        | 162233   | 102      | 14       |
| 161875   | 44       | 29       | 162021   | 162      | 9        | 162243   | 139      | 3        |
| 161875   | 45       | 29       | 162022   | 9        | 28       | 162245   | 139      | 5        |
| 161921   | 42       | 16       | 162022   | 10       | 28       | 162246   | 139      | 6        |
| 161921   | 43       | 16       | 162022   | 16       | 28       | 162264   | 113      | 16       |
| 161923   | 42       | 19       | 162022   | 18       | 28       | 162284   | 110      | 6        |
| 161923   | 43       | 19       | 162027   | 134      | 16       | 162289   | 110      | 4        |
| 161929   | 30       | 15       | 162027   | 135      | 16       | 162321   | 13       | 44       |
| 161929   | 32       | 30       | 162029   | 44       | 10       | 162321   | 15       | 44       |
| 161929   | 33       | 30       | 162029   | 45       | 3        | 162321   | 21       | 44       |
| 161936   | 44       | 26       | 162035   | 44       | 19       | 162321   | 23       | 44       |
| 161936   | 45       | 11       | 162035   | 45       | 19       | 162331   | 9        | 17       |
| 161939   | 50       | 14       | 162035   | 46       | 16       | 162331   | 10       | 17       |
| 161940   | 50       | 15       | 162035   | 119      | 10       | 162331   | 12       | 17       |
| 161965   | 4        | 1        | 162035   | 175      | 6        | 162331   | 14       | 17       |

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| 162331   | 16       | 17       | 162497   | 112      | 4        | 162758   | 25       | 11       |
| 162331   | 18       | 17       | 162501   | 107      | 19       | 162790   | 125      | 13       |
| 162331   | 20       | 17       | 162502   | 39       | 27       | 162797   | 42       | 13       |
| 162331   | 22       | 17       | 162503   | 39       | 26       | 162797   | 43       | 13       |
| 162346   | 12       | 16       | 162504   | 101      | 10       | 162812   | 52       | 8        |
| 162346   | 14       | 16       | 162504   | 102      | 7        | 162813   | 49       | 18       |
| 162346   | 20       | 16       | 162504   | 107      | 23       | 162821   | 107      | 16       |
| 162346   | 22       | 16       | 162529   | 112      | 11       | 162832   | 4        | 18       |
| 162355   | 104      | 12       | 162529   | 113      | 17       | 162832   | 6        | 18       |
| 162355   | 105      | 4        | 162531   | 113      | 18       | 162836   | 171      | 15       |
| 162389   | 119      | 11       | 162532   | 112      | 10       | 162838   | 171      | 8        |
| 162392   | 64       | 2        | 162532   | 113      | 14       | 162839   | 175      | 3        |
| 162393   | 64       | 4        | 162590   | 117      | 10       | 162857   | 44       | 28       |
| 162394   | 64       | 1        | 162599   | 39       | 13       | 162864   | 49       | 3        |
| 162395   | 64       | 3        | 162607   | 47       | 1        | 162869   | 46       | 7        |
| 162398   | 104      | 3        | 162611   | 89       | 13       | 162924   | 44       | 7        |
| 162398   | 105      | 3        | 162611   | 90       | 13       | 162924   | 45       | 7        |
| 162398   | 160      | 3        | 162611   | 96       | 10       | 162924   | 47       | 5        |
| 162414   | 114      | 2        | 162611   | 97       | 10       | 162925   | 49       | 21       |
| 162414   | 114      | 5        | 162611   | 98       | 10       | 162956   | 132      | 12       |
| 162414   | 153      | 1        | 162661   | 99       | 5        | 162956   | 133      | 12       |
| 162419   | 161      | 5        | 162661   | 100      | 5        | 162960   | 164      | 17       |
| 162426   | 115      | 9        | 162661   | 101      | 5        | 162970   | 111      | 4        |
| 162437   | 111      | 1        | 162661   | 102      | 5        | 163001   | 116      | 19       |
| 162441   | 161      | 6        | 162675   | 31       | 15       | 163113   | 116      | 38       |
| 162445   | 132      | 10       | 162704   | 154      | 2        | 163113   | 127      | 11       |
| 162445   | 133      | 10       | 162704   | 155      | 2        | 163113   | 144      | 2        |
| 162450   | 4        | 29       | 162704   | 158      | 2        | 163213   | 47       | 2        |
| 162450   | 6        | 29       | 162706   | 117      | 4        | 163288   | 132      | 13       |
| 162451   | 4        | 30       | 162716   | 31       | 13       | 163288   | 133      | 13       |
| 162451   | 6        | 30       | 162734   | 26       | 6        | 163289   | 132      | 15       |
| 162452   | 4        | 28       | 162737   | 47       | 3        | 163289   | 133      | 15       |
| 162452   | 6        | 28       | 162750   | 24       | 7        | 163290   | 133      | 14       |
| 162453   | 4        | 31       | 162750   | 25       | 7        | 163335   | 133      | 9        |
| 162453   | 6        | 31       | 162754   | 24       | 15       | 163335   | 136      | 4        |
| 162485   | 26       | 21       | 162754   | 25       | 15       | 163335   | 137      | 4        |
| 162487   | 31       | 29       | 162757   | 24       | 10       | 163343   | 98       | 3        |
| 162489   | 38       | 16       | 162757   | 25       | 10       | 163344   | 44       | 33       |
| 162495   | 116      | 21       | 162758   | 24       | 11       | 163344   | 45       | 33       |

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| 163347   | 39       | 11       | 163642   | 27       | 45       | 163670   | 93       | 8        |
| 163379   | 97       | 33       | 163642   | 31       | 23       | 163670   | 94       | 8        |
| 163634   | 26       | 36       | 163642   | 44       | 34       | 163670   | 95       | 8        |
| 163634   | 30       | 7        | 163642   | 45       | 34       | 163670   | 96       | 20       |
| 163634   | 31       | 16       | 163642   | 64       | 13       | 163670   | 97       | 20       |
| 163634   | 32       | 35       | 163642   | 116      | 5        | 163670   | 98       | 20       |
| 163634   | 33       | 35       | 163642   | 120      | 20       | 163670   | 99       | 3        |
| 163634   | 54       | 10       | 163642   | 122      | 20       | 163670   | 100      | 3        |
| 163634   | 56       | 10       | 163642   | 123      | 20       | 163670   | 101      | 3        |
| 163634   | 64       | 11       | 163645   | 30       | 13       | 163670   | 102      | 3        |
| 163634   | 89       | 9        | 163651   | 12       | 19       | 163670   | 104      | 10       |
| 163634   | 90       | 9        | 163651   | 14       | 19       | 163670   | 105      | 10       |
| 163634   | 93       | 9        | 163651   | 21       | 49       | 163670   | 106      | 24       |
| 163634   | 94       | 9        | 163651   | 23       | 49       | 163670   | 107      | 13       |
| 163634   | 95       | 9        | 163651   | 26       | 25       | 163670   | 108      | 4        |
| 163634   | 96       | 21       | 163651   | 30       | 22       | 163670   | 125      | 5        |
| 163634   | 97       | 21       | 163651   | 103      | 5        | 163670   | 134      | 9        |
| 163634   | 98       | 21       | 163651   | 106      | 26       | 163670   | 135      | 9        |
| 163634   | 99       | 4        | 163651   | 107      | 5        | 163670   | 138      | 11       |
| 163634   | 100      | 4        | 163670   | 9        | 14       | 163670   | 141      | 9        |
| 163634   | 101      | 4        | 163670   | 10       | 14       | 163670   | 148      | 22       |
| 163634   | 102      | 4        | 163670   | 12       | 14       | 163670   | 149      | 22       |
| 163634   | 104      | 11       | 163670   | 14       | 14       | 163670   | 150      | 18       |
| 163634   | 105      | 11       | 163670   | 16       | 14       | 163670   | 165      | 5        |
| 163634   | 107      | 26       | 163670   | 18       | 14       | 163670   | 170      | 8        |
| 163634   | 108      | 5        | 163670   | 20       | 14       | 163973   | 4        | 26       |
| 163634   | 125      | 7        | 163670   | 22       | 14       | 163973   | 6        | 26       |
| 163634   | 138      | 9        | 163670   | 26       | 38       | 163974   | 4        | 7        |
| 163634   | 148      | 21       | 163670   | 30       | 10       | 163974   | 6        | 7        |
| 163634   | 149      | 21       | 163670   | 31       | 17       | 163975   | 4        | 24       |
| 163634   | 165      | 6        | 163670   | 32       | 12       | 163975   | 6        | 24       |
| 163641   | 9        | 29       | 163670   | 33       | 12       | 163976   | 4        | 27       |
| 163641   | 10       | 29       | 163670   | 53       | 5        | 163976   | 6        | 27       |
| 163641   | 13       | 37       | 163670   | 54       | 9        | 163977   | 4        | 12       |
| 163641   | 15       | 37       | 163670   | 56       | 9        | 163977   | 6        | 12       |
| 163641   | 16       | 29       | 163670   | 58       | 5        | 163978   | 4        | 11       |
| 163641   | 18       | 29       | 163670   | 59       | 5        | 163978   | 6        | 11       |
| 163641   | 20       | 37       | 163670   | 60       | 5        | 163979   | 4        | 19       |
| 163641   | 22       | 37       | 163670   | 64       | 10       | 163979   | 6        | 19       |

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| 163990   | 4        | 0        | 164434   | 75       | 17       | 164677   | 42       | 14       |
| 163990   | 6        | 0        | 164434   | 76       | 17       | 164677   | 43       | 14       |
| 163991   | 4        | 0        | 164438   | 78       | 7        | 164678   | 42       | 18       |
| 163991   | 6        | 0        | 164438   | 79       | 7        | 164678   | 43       | 18       |
| 163993   | 4        | 15       | 164438   | 80       | 6        | 164679   | 44       | 4        |
| 163993   | 6        | 15       | 164438   | 93       | 15       | 164679   | 45       | 4        |
| 164182   | 44       | 22       | 164438   | 94       | 15       | 164680   | 44       | 5        |
| 164182   | 45       | 22       | 164441   | 87       | 9        | 164680   | 45       | 5        |
| 164187   | 175      | 2        | 164441   | 88       | 8        | 164681   | 44       | 8        |
| 164285   | 173      | 2        | 164535   | 128      | 11       | 164681   | 45       | 8        |
| 164316   | 78       | 4        | 164535   | 129      | 10       | 164682   | 44       | 24       |
| 164316   | 79       | 4        | 164535   | 130      | 7        | 164682   | 45       | 10       |
| 164316   | 80       | 4        | 164535   | 134      | 17       | 164683   | 44       | 20       |
| 164337   | 89       | 5        | 164535   | 135      | 17       | 164683   | 45       | 20       |
| 164337   | 90       | 5        | 164662   | 66       | 20       | 164683   | 175      | 8        |
| 164345   | 77       | 14       | 164662   | 67       | 20       | 164684   | 51       | 4        |
| 164345   | 95       | 14       | 164662   | 68       | 22       | 164686   | 44       | 17       |
| 164350   | 93       | 13       | 164662   | 75       | 8        | 164686   | 45       | 17       |
| 164350   | 94       | 13       | 164662   | 76       | 8        | 164688   | 49       | 26       |
| 164368   | 84       | 4        | 164662   | 77       | 9        | 164689   | 42       | 9        |
| 164368   | 85       | 4        | 164663   | 85       | 9        | 164689   | 43       | 9        |
| 164368   | 86       | 4        | 164663   | 86       | 9        | 164689   | 44       | 16       |
| 164370   | 84       | 5        | 164666   | 66       | 23       | 164689   | 45       | 16       |
| 164370   | 85       | 5        | 164666   | 67       | 23       | 164689   | 49       | 23       |
| 164370   | 86       | 5        | 164666   | 68       | 19       | 164690   | 42       | 15       |
| 164371   | 84       | 6        | 164667   | 30       | 27       | 164690   | 43       | 32       |
| 164371   | 85       | 6        | 164667   | 32       | 21       | 164696   | 42       | 7        |
| 164371   | 86       | 6        | 164667   | 33       | 21       | 164696   | 43       | 7        |
| 164372   | 84       | 7        | 164668   | 42       | 34       | 164698   | 30       | 23       |
| 164372   | 85       | 7        | 164668   | 43       | 33       | 164698   | 32       | 34       |
| 164372   | 86       | 8        | 164669   | 54       | 43       | 164698   | 33       | 34       |
| 164373   | 84       | 8        | 164669   | 56       | 43       | 164699   | 55       | 53       |
| 164373   | 85       | 8        | 164670   | 42       | 8        | 164699   | 57       | 53       |
| 164373   | 86       | 7        | 164670   | 43       | 8        | 164700   | 49       | 6        |
| 164393   | 86       | 21       | 164671   | 52       | 3        | 164701   | 49       | 7        |
| 164393   | 102      | 22       | 164672   | 52       | 7        | 164704   | 68       | 8        |
| 164394   | 83       | 17       | 164673   | 50       | 20       | 164706   | 139      | 7        |
| 164414   | 86       | 22       | 164676   | 42       | 2        | 164707   | 55       | 51       |
| 164419   | 86       | 19       | 164676   | 43       | 2        | 164707   | 56       | 3        |

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| 164708   | 172      | 11       | 164928   | 103      | 3        | 165044   | 130      | 16       |
| 164708   | 173      | 11       | 164929   | 58       | 13       | 165045   | 125      | 1        |
| 164709   | 172      | 12       | 164929   | 60       | 13       | 165046   | 50       | 6        |
| 164709   | 173      | 12       | 164929   | 119      | 8        | 165048   | 50       | 24       |
| 164710   | 55       | 61       | 164945   | 110      | 16       | 165052   | 168      | 6        |
| 164710   | 57       | 61       | 164945   | 117      | 11       | 165058   | 160      | 1        |
| 164728   | 102      | 23       | 164945   | 120      | 3        | 165058   | 162      | 1        |
| 164770   | 46       | 14       | 164945   | 122      | 3        | 165059   | 30       | 12       |
| 164771   | 42       | 17       | 164945   | 123      | 3        | 165061   | 32       | 27       |
| 164771   | 43       | 17       | 164978   | 54       | 37       | 165061   | 33       | 27       |
| 164779   | 75       | 19       | 164978   | 56       | 37       | 165065   | 120      | 16       |
| 164779   | 76       | 19       | 164979   | 54       | 38       | 165065   | 122      | 16       |
| 164779   | 77       | 3        | 164979   | 56       | 38       | 165065   | 123      | 16       |
| 164792   | 143      | 4        | 164980   | 54       | 15       | 165068   | 31       | 35       |
| 164800   | 136      | 1        | 164980   | 56       | 15       | 165071   | 33       | 31       |
| 164800   | 137      | 1        | 164981   | 54       | 40       | 165072   | 96       | 13       |
| 164804   | 119      | 6        | 164981   | 56       | 40       | 165072   | 97       | 13       |
| 164853   | 4        | 17       | 164982   | 54       | 39       | 165072   | 98       | 13       |
| 164853   | 6        | 17       | 164982   | 56       | 39       | 165073   | 96       | 14       |
| 164854   | 4        | 8        | 164993   | 4        | 36       | 165073   | 97       | 14       |
| 164854   | 6        | 8        | 164993   | 6        | 36       | 165073   | 98       | 14       |
| 164871   | 167      | 5        | 164994   | 4        | 36       | 165075   | 53       | 1        |
| 164879   | 172      | 13       | 164994   | 6        | 36       | 165076   | 53       | 2        |
| 164879   | 173      | 13       | 165032   | 50       | 18       | 165077   | 32       | 18       |
| 164881   | 172      | 6        | 165036   | 165      | 4        | 165077   | 33       | 18       |
| 164881   | 173      | 6        | 165037   | 128      | 2        | 165078   | 30       | 4        |
| 164883   | 54       | 42       | 165037   | 129      | 2        | 165079   | 31       | 25       |
| 164883   | 56       | 42       | 165037   | 130      | 9        | 165080   | 32       | 28       |
| 164883   | 168      | 13       | 165038   | 129      | 9        | 165080   | 33       | 28       |
| 164883   | 172      | 8        | 165038   | 130      | 11       | 165082   | 60       | 2        |
| 164883   | 173      | 8        | 165039   | 128      | 14       | 165089   | 131      | 1        |
| 164884   | 167      | 4        | 165039   | 129      | 13       | 165094   | 31       | 39       |
| 164892   | 132      | 6        | 165039   | 130      | 10       | 165098   | 30       | 21       |
| 164892   | 133      | 18       | 165040   | 129      | 7        | 165107   | 30       | 18       |
| 164904   | 49       | 19       | 165040   | 130      | 8        | 165108   | 116      | 15       |
| 164907   | 44       | 9        | 165042   | 42       | 12       | 165109   | 32       | 16       |
| 164907   | 45       | 9        | 165042   | 43       | 12       | 165109   | 33       | 16       |
| 164925   | 116      | 8        | 165043   | 125      | 10       | 165110   | 96       | 15       |
| 164927   | 119      | 9        | 165044   | 129      | 15       | 165110   | 97       | 15       |

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| 165110   | 98       | 15       | 165166   | 50       | 2        | 165236   | 172      | 7        |
| 165111   | 116      | 18       | 165167   | 50       | 3        | 165236   | 173      | 7        |
| 165113   | 116      | 17       | 165168   | 50       | 4        | 165243   | 169      | 1        |
| 165114   | 31       | 5        | 165169   | 50       | 26       | 165244   | 169      | 2        |
| 165119   | 9        | 18       | 165170   | 52       | 2        | 165270   | 96       | 9        |
| 165119   | 10       | 18       | 165171   | 52       | 15       | 165270   | 97       | 9        |
| 165119   | 16       | 18       | 165172   | 52       | 16       | 165270   | 98       | 9        |
| 165119   | 18       | 18       | 165173   | 52       | 19       | 165272   | 89       | 1        |
| 165124   | 9        | 6        | 165174   | 49       | 10       | 165272   | 90       | 6        |
| 165124   | 10       | 6        | 165175   | 49       | 12       | 165273   | 89       | 7        |
| 165124   | 12       | 6        | 165182   | 42       | 3        | 165273   | 90       | 7        |
| 165124   | 14       | 6        | 165182   | 43       | 3        | 165274   | 101      | 13       |
| 165124   | 16       | 6        | 165184   | 42       | 6        | 165274   | 102      | 9        |
| 165124   | 18       | 6        | 165184   | 43       | 6        | 165293   | 89       | 6        |
| 165124   | 20       | 6        | 165187   | 44       | 18       | 165293   | 90       | 1        |
| 165124   | 22       | 6        | 165187   | 45       | 18       | 165294   | 89       | 2        |
| 165128   | 24       | 4        | 165188   | 46       | 2        | 165294   | 90       | 2        |
| 165128   | 25       | 4        | 165189   | 46       | 3        | 165295   | 89       | 3        |
| 165132   | 24       | 6        | 165190   | 46       | 5        | 165295   | 90       | 3        |
| 165138   | 24       | 14       | 165191   | 46       | 6        | 165296   | 89       | 4        |
| 165138   | 25       | 14       | 165192   | 46       | 9        | 165296   | 90       | 4        |
| 165139   | 24       | 12       | 165195   | 46       | 13       | 165478   | 116      | 26       |
| 165139   | 25       | 12       | 165196   | 51       | 1        | 165481   | 144      | 3        |
| 165146   | 19       | 46       | 165199   | 168      | 1        | 165488   | 138      | 1        |
| 165146   | 23       | 55       | 165200   | 168      | 11       | 165489   | 130      | 1        |
| 165153   | 134      | 21       | 165204   | 175      | 4        | 165490   | 144      | 1        |
| 165153   | 135      | 21       | 165206   | 50       | 13       | 165499   | 117      | 13       |
| 165154   | 42       | 11       | 165207   | 168      | 2        | 165504   | 120      | 7        |
| 165154   | 43       | 11       | 165208   | 168      | 7        | 165504   | 122      | 7        |
| 165155   | 42       | 4        | 165212   | 44       | 25       | 165504   | 123      | 7        |
| 165155   | 43       | 4        | 165212   | 45       | 28       | 165505   | 120      | 22       |
| 165156   | 49       | 16       | 165213   | 46       | 18       | 165505   | 122      | 22       |
| 165157   | 44       | 15       | 165214   | 46       | 12       | 165505   | 123      | 22       |
| 165157   | 45       | 15       | 165221   | 49       | 9        | 165506   | 120      | 23       |
| 165158   | 46       | 8        | 165222   | 30       | 25       | 165506   | 122      | 23       |
| 165159   | 50       | 25       | 165224   | 64       | 15       | 165506   | 123      | 23       |
| 165161   | 43       | 5        | 165232   | 170      | 2        | 165514   | 134      | 20       |
| 165164   | 52       | 14       | 165233   | 166      | 3        | 165514   | 135      | 20       |
| 165165   | 50       | 1        | 165233   | 170      | 1        | 165516   | 138      | 2        |

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| 165517   | 138      | 3        | 165559   | 31       | 38       | 165606   | 11       | 34       |
| 165520   | 134      | 5        | 165560   | 31       | 3        | 165606   | 12       | 34       |
| 165520   | 135      | 5        | 165564   | 53       | 3        | 165606   | 14       | 34       |
| 165521   | 134      | 4        | 165567   | 160      | 7        | 165606   | 24       | 3        |
| 165521   | 135      | 4        | 165567   | 162      | 7        | 165608   | 24       | 5        |
| 165522   | 134      | 3        | 165572   | 176      | 4        | 165608   | 25       | 5        |
| 165522   | 135      | 3        | 165588   | 54       | 5        | 165610   | 54       | 36       |
| 165524   | 121      | 1        | 165589   | 54       | 3        | 165610   | 56       | 36       |
| 165524   | 124      | 1        | 165590   | 12       | 10       | 165612   | 55       | 55       |
| 165525   | 121      | 2        | 165590   | 14       | 10       | 165612   | 57       | 55       |
| 165525   | 124      | 2        | 165590   | 20       | 10       | 165654   | 146      | 11       |
| 165526   | 124      | 3        | 165590   | 22       | 10       | 165654   | 147      | 11       |
| 165527   | 121      | 4        | 165590   | 127      | 1        | 165655   | 146      | 12       |
| 165527   | 124      | 4        | 165598   | 9        | 16       | 165655   | 147      | 12       |
| 165528   | 121      | 5        | 165598   | 10       | 16       | 165656   | 150      | 16       |
| 165528   | 124      | 5        | 165598   | 16       | 16       | 165659   | 148      | 20       |
| 165529   | 121      | 6        | 165598   | 18       | 16       | 165659   | 149      | 20       |
| 165529   | 124      | 6        | 165600   | 9        | 12       | 165674   | 150      | 6        |
| 165530   | 121      | 7        | 165600   | 10       | 12       | 165674   | 152      | 6        |
| 165530   | 124      | 7        | 165600   | 12       | 12       | 165675   | 150      | 5        |
| 165531   | 121      | 8        | 165600   | 14       | 12       | 165675   | 152      | 5        |
| 165531   | 124      | 8        | 165600   | 16       | 12       | 165678   | 151      | 5        |
| 165532   | 121      | 9        | 165600   | 18       | 12       | 165682   | 151      | 4        |
| 165532   | 124      | 9        | 165600   | 20       | 12       | 165684   | 152      | 3        |
| 165533   | 121      | 10       | 165600   | 22       | 12       | 165695   | 39       | 10       |
| 165533   | 124      | 10       | 165604   | 9        | 8        | 165700   | 151      | 7        |
| 165534   | 121      | 11       | 165604   | 10       | 8        | 165704   | 127      | 12       |
| 165534   | 124      | 11       | 165604   | 12       | 8        | 165706   | 26       | 19       |
| 165535   | 121      | 12       | 165604   | 14       | 8        | 165709   | 26       | 34       |
| 165535   | 124      | 12       | 165604   | 16       | 8        | 165713   | 176      | 8        |
| 165536   | 121      | 13       | 165604   | 18       | 8        | 165720   | 9        | 9        |
| 165536   | 124      | 13       | 165604   | 20       | 8        | 165720   | 10       | 9        |
| 165541   | 121      | 16       | 165604   | 22       | 8        | 165720   | 12       | 9        |
| 165541   | 124      | 16       | 165605   | 9        | 2        | 165720   | 14       | 9        |
| 165543   | 124      | 15       | 165605   | 10       | 2        | 165723   | 38       | 8        |
| 165548   | 162      | 2        | 165605   | 12       | 2        | 165724   | 38       | 7        |
| 165550   | 162      | 6        | 165605   | 14       | 2        | 165729   | 26       | 1        |
| 165552   | 31       | 32       | 165605   | 24       | 1        | 165730   | 38       | 1        |
| 165558   | 116      | 2        | 165606   | 9        | 34       | 165731   | 38       | 2        |

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| 165732   | 39       | 1        | 165761   | 148      | 15       | 165800   | 39       | 3        |
| 165735   | 38       | 9        | 165761   | 149      | 15       | 165801   | 38       | 12       |
| 165735   | 151      | 1        | 165762   | 150      | 15       | 165802   | 39       | 25       |
| 165736   | 39       | 7        | 165763   | 147      | 2        | 165803   | 26       | 13       |
| 165736   | 150      | 1        | 165764   | 147      | 1        | 165804   | 31       | 2        |
| 165737   | 39       | 2        | 165765   | 148      | 7        | 165805   | 31       | 33       |
| 165737   | 148      | 1        | 165765   | 149      | 7        | 165806   | 31       | 4        |
| 165737   | 149      | 1        | 165768   | 148      | 3        | 165807   | 31       | 34       |
| 165739   | 26       | 9        | 165768   | 149      | 3        | 165808   | 32       | 36       |
| 165739   | 152      | 1        | 165770   | 148      | 4        | 165808   | 33       | 36       |
| 165740   | 40       | 9        | 165770   | 149      | 4        | 165809   | 32       | 33       |
| 165740   | 154      | 1        | 165771   | 148      | 5        | 165809   | 33       | 33       |
| 165740   | 155      | 1        | 165771   | 149      | 5        | 165810   | 39       | 6        |
| 165740   | 158      | 1        | 165772   | 148      | 6        | 165811   | 13       | 41       |
| 165741   | 148      | 16       | 165772   | 149      | 6        | 165811   | 15       | 41       |
| 165741   | 149      | 16       | 165774   | 150      | 3        | 165811   | 20       | 41       |
| 165742   | 146      | 1        | 165775   | 150      | 7        | 165811   | 22       | 41       |
| 165743   | 146      | 2        | 165776   | 150      | 4        | 165812   | 148      | 9        |
| 165744   | 146      | 3        | 165778   | 151      | 3        | 165812   | 149      | 9        |
| 165744   | 147      | 3        | 165782   | 152      | 7        | 165813   | 150      | 9        |
| 165745   | 146      | 4        | 165783   | 152      | 4        | 165814   | 154      | 13       |
| 165745   | 147      | 4        | 165784   | 152      | 9        | 165814   | 155      | 13       |
| 165750   | 146      | 5        | 165786   | 154      | 8        | 165814   | 158      | 13       |
| 165750   | 147      | 5        | 165786   | 155      | 17       | 165815   | 12       | 35       |
| 165751   | 146      | 6        | 165786   | 158      | 8        | 165815   | 14       | 35       |
| 165751   | 147      | 6        | 165787   | 154      | 10       | 165815   | 20       | 35       |
| 165752   | 146      | 8        | 165787   | 155      | 10       | 165815   | 22       | 35       |
| 165752   | 147      | 8        | 165787   | 158      | 10       | 165816   | 128      | 15       |
| 165753   | 146      | 7        | 165788   | 154      | 11       | 165816   | 129      | 14       |
| 165753   | 147      | 7        | 165788   | 155      | 11       | 165816   | 130      | 13       |
| 165754   | 146      | 10       | 165788   | 158      | 11       | 165824   | 54       | 7        |
| 165754   | 147      | 10       | 165795   | 154      | 15       | 165828   | 132      | 1        |
| 165755   | 146      | 9        | 165795   | 155      | 15       | 165828   | 133      | 1        |
| 165755   | 147      | 9        | 165795   | 158      | 15       | 165829   | 114      | 8        |
| 165756   | 39       | 18       | 165798   | 26       | 5        | 165829   | 115      | 4        |
| 165757   | 39       | 20       | 165799   | 34       | 6        | 165830   | 132      | 5        |
| 165758   | 39       | 16       | 165799   | 35       | 6        | 165830   | 133      | 5        |
| 165759   | 39       | 19       | 165799   | 36       | 6        | 165831   | 164      | 10       |
| 165760   | 39       | 17       | 165799   | 37       | 6        | 165832   | 114      | 4        |

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| 165832   | 115      | 5        | 165907   | 6        | 16       | 165965   | 117      | 3        |
| 165833   | 114      | 7        | 165908   | 49       | 25       | 165966   | 110      | 9        |
| 165833   | 115      | 7        | 165913   | 31       | 36       | 165966   | 120      | 9        |
| 165842   | 115      | 6        | 165924   | 131      | 5        | 165966   | 122      | 9        |
| 165843   | 115      | 8        | 165924   | 139      | 4        | 165966   | 123      | 9        |
| 165844   | 164      | 8        | 165924   | 140      | 6        | 165968   | 120      | 15       |
| 165847   | 156      | 2        | 165927   | 12       | 36       | 165968   | 122      | 15       |
| 165847   | 157      | 3        | 165927   | 15       | 36       | 165968   | 123      | 15       |
| 165847   | 159      | 2        | 165927   | 20       | 36       | 165970   | 97       | 31       |
| 165848   | 153      | 4        | 165927   | 22       | 36       | 165970   | 98       | 23       |
| 165849   | 156      | 1        | 165928   | 138      | 8        | 165970   | 113      | 5        |
| 165849   | 157      | 2        | 165932   | 54       | 14       | 165971   | 110      | 11       |
| 165849   | 159      | 1        | 165932   | 56       | 14       | 165971   | 120      | 12       |
| 165851   | 111      | 3        | 165941   | 168      | 9        | 165971   | 122      | 12       |
| 165852   | 157      | 1        | 165943   | 27       | 41       | 165971   | 123      | 12       |
| 165860   | 161      | 1        | 165945   | 9        | 30       | 165973   | 110      | 13       |
| 165862   | 161      | 7        | 165945   | 10       | 30       | 165974   | 161      | 12       |
| 165863   | 116      | 7        | 165945   | 12       | 30       | 165976   | 128      | 12       |
| 165865   | 161      | 7        | 165945   | 14       | 30       | 165976   | 129      | 11       |
| 165866   | 111      | 2        | 165945   | 16       | 30       | 165976   | 130      | 12       |
| 165868   | 164      | 4        | 165945   | 18       | 30       | 165976   | 141      | 11       |
| 165869   | 115      | 1        | 165945   | 20       | 30       | 165979   | 148      | 10       |
| 165883   | 161      | 2        | 165945   | 22       | 30       | 165979   | 149      | 10       |
| 165884   | 119      | 2        | 165948   | 50       | 23       | 165980   | 147      | 15       |
| 165885   | 114      | 1        | 165952   | 54       | 13       | 165981   | 147      | 14       |
| 165886   | 161      | 4        | 165952   | 56       | 13       | 165983   | 26       | 40       |
| 165887   | 147      | 17       | 165952   | 104      | 4        | 165984   | 32       | 1        |
| 165888   | 164      | 3        | 165953   | 26       | 22       | 165984   | 33       | 1        |
| 165891   | 153      | 3        | 165955   | 13       | 42       | 176102   | 120      | 1        |
| 165892   | 161      | 3        | 165955   | 15       | 42       | 176102   | 122      | 1        |
| 165894   | 132      | 11       | 165955   | 20       | 42       | 176102   | 123      | 1        |
| 165894   | 133      | 11       | 165955   | 22       | 42       | 176943   | 112      | 16       |
| 165894   | 143      | 3        | 165961   | 138      | 10       | 177095   | 172      | 2        |
| 165896   | 152      | 14       | 165961   | 154      | 9        | 177100   | 81       | 12       |
| 165900   | 4        | 33       | 165961   | 155      | 9        | 177100   | 82       | 12       |
| 165900   | 6        | 33       | 165961   | 158      | 9        | 177112   | 93       | 3        |
| 165906   | 4        | 6        | 165963   | 144      | 4        | 177205   | 93       | 5        |
| 165906   | 6        | 6        | 165965   | 112      | 2        | 177205   | 94       | 5        |
| 165907   | 4        | 16       | 165965   | 113      | 2        | 177234   | 75       | 5        |

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| 177234   | 81       | 2        | 177254   | 87       | 18       | 177281   | 82       | 5        |
| 177234   | 82       | 2        | 177254   | 88       | 21       | 177281   | 83       | 5        |
| 177234   | 83       | 2        | 177255   | 66       | 3        | 177282   | 84       | 15       |
| 177236   | 66       | 4        | 177255   | 67       | 3        | 177282   | 85       | 15       |
| 177236   | 67       | 4        | 177255   | 68       | 3        | 177283   | 84       | 14       |
| 177236   | 68       | 4        | 177257   | 81       | 8        | 177283   | 85       | 14       |
| 177237   | 87       | 7        | 177257   | 82       | 8        | 177284   | 84       | 13       |
| 177237   | 88       | 9        | 177257   | 83       | 9        | 177284   | 85       | 13       |
| 177238   | 74       | 19       | 177258   | 72       | 13       | 177285   | 84       | 12       |
| 177238   | 76       | 2        | 177258   | 73       | 13       | 177285   | 85       | 12       |
| 177238   | 77       | 2        | 177258   | 74       | 13       | 177286   | 90       | 16       |
| 177239   | 78       | 8        | 177260   | 65       | 6        | 177286   | 91       | 3        |
| 177239   | 79       | 8        | 177263   | 75       | 14       | 177286   | 92       | 3        |
| 177240   | 65       | 7        | 177263   | 76       | 14       | 177288   | 65       | 9        |
| 177241   | 65       | 10       | 177263   | 77       | 15       | 177290   | 65       | 5        |
| 177242   | 66       | 21       | 177265   | 87       | 17       | 177291   | 66       | 6        |
| 177242   | 67       | 21       | 177265   | 88       | 16       | 177291   | 67       | 6        |
| 177242   | 68       | 23       | 177267   | 79       | 9        | 177291   | 68       | 6        |
| 177242   | 75       | 16       | 177268   | 90       | 18       | 177292   | 67       | 5        |
| 177242   | 76       | 16       | 177268   | 91       | 5        | 177293   | 66       | 2        |
| 177242   | 77       | 8        | 177268   | 92       | 5        | 177293   | 67       | 2        |
| 177246   | 66       | 11       | 177269   | 72       | 17       | 177293   | 68       | 26       |
| 177246   | 66       | 12       | 177269   | 73       | 17       | 177295   | 66       | 7        |
| 177246   | 67       | 11       | 177269   | 74       | 17       | 177295   | 67       | 7        |
| 177246   | 67       | 12       | 177270   | 69       | 3        | 177295   | 68       | 12       |
| 177246   | 68       | 11       | 177270   | 70       | 3        | 177296   | 66       | 8        |
| 177248   | 87       | 14       | 177270   | 71       | 3        | 177296   | 67       | 8        |
| 177248   | 88       | 15       | 177271   | 87       | 4        | 177296   | 68       | 13       |
| 177249   | 75       | 11       | 177272   | 95       | 15       | 177297   | 66       | 9        |
| 177249   | 76       | 24       | 177273   | 87       | 3        | 177297   | 67       | 9        |
| 177249   | 77       | 19       | 177273   | 88       | 3        | 177297   | 68       | 14       |
| 177250   | 75       | 20       | 177274   | 87       | 1        | 177300   | 69       | 6        |
| 177250   | 76       | 21       | 177275   | 87       | 2        | 177300   | 70       | 6        |
| 177250   | 77       | 7        | 177276   | 67       | 1        | 177301   | 72       | 3        |
| 177251   | 81       | 4        | 177278   | 66       | 16       | 177301   | 73       | 3        |
| 177251   | 82       | 4        | 177278   | 67       | 16       | 177301   | 74       | 3        |
| 177251   | 83       | 4        | 177280   | 72       | 5        | 177302   | 70       | 4        |
| 177252   | 65       | 12       | 177280   | 73       | 5        | 177303   | 69       | 5        |
| 177253   | 87       | 5        | 177281   | 81       | 5        | 177303   | 70       | 5        |

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| 177304   | 92       | 2        | 177346   | 70       | 2        | 177387   | 54       | 6        |
| 177313   | 72       | 4        | 177346   | 71       | 2        | 177387   | 57       | 49       |
| 177313   | 73       | 4        | 177348   | 84       | 11       | 177388   | 54       | 4        |
| 177314   | 72       | 9        | 177348   | 85       | 11       | 177388   | 57       | 48       |
| 177314   | 73       | 9        | 177350   | 66       | 13       | 177389   | 9        | 31       |
| 177315   | 72       | 12       | 177350   | 67       | 13       | 177389   | 10       | 31       |
| 177315   | 73       | 12       | 177353   | 73       | 1        | 177389   | 12       | 31       |
| 177315   | 74       | 12       | 177354   | 73       | 2        | 177389   | 14       | 31       |
| 177316   | 72       | 7        | 177356   | 72       | 10       | 177389   | 16       | 31       |
| 177316   | 73       | 7        | 177356   | 73       | 10       | 177389   | 18       | 31       |
| 177317   | 72       | 11       | 177357   | 72       | 8        | 177389   | 20       | 31       |
| 177317   | 73       | 11       | 177357   | 73       | 8        | 177389   | 22       | 31       |
| 177317   | 74       | 11       | 177358   | 84       | 16       | 177390   | 106      | 11       |
| 177318   | 72       | 14       | 177358   | 85       | 16       | 177391   | 106      | 12       |
| 177318   | 73       | 14       | 177359   | 81       | 1        | 177400   | 75       | 18       |
| 177318   | 74       | 14       | 177359   | 82       | 1        | 177400   | 76       | 18       |
| 177319   | 72       | 16       | 177360   | 81       | 7        | 177400   | 93       | 14       |
| 177319   | 73       | 16       | 177360   | 82       | 7        | 177400   | 94       | 14       |
| 177319   | 74       | 16       | 177362   | 65       | 8        | 177401   | 93       | 6        |
| 177321   | 76       | 1        | 177364   | 69       | 8        | 177401   | 94       | 6        |
| 177322   | 75       | 15       | 177364   | 70       | 8        | 177401   | 95       | 16       |
| 177322   | 76       | 15       | 177365   | 69       | 9        | 177402   | 77       | 6        |
| 177322   | 77       | 4        | 177365   | 70       | 9        | 177402   | 78       | 5        |
| 177323   | 75       | 13       | 177366   | 69       | 10       | 177402   | 79       | 5        |
| 177323   | 76       | 22       | 177366   | 70       | 10       | 177402   | 80       | 5        |
| 177323   | 77       | 16       | 177367   | 76       | 13       | 177403   | 94       | 10       |
| 177324   | 74       | 18       | 177368   | 76       | 3        | 177403   | 95       | 10       |
| 177324   | 76       | 20       | 177369   | 76       | 4        | 177404   | 94       | 11       |
| 177324   | 77       | 17       | 177370   | 76       | 5        | 177404   | 95       | 11       |
| 177326   | 75       | 12       | 177371   | 76       | 6        | 177405   | 94       | 12       |
| 177326   | 76       | 23       | 177372   | 75       | 7        | 177405   | 95       | 12       |
| 177326   | 77       | 20       | 177372   | 76       | 7        | 177406   | 104      | 8        |
| 177328   | 81       | 11       | 177374   | 76       | 11       | 177407   | 89       | 14       |
| 177328   | 82       | 11       | 177375   | 76       | 12       | 177408   | 89       | 15       |
| 177335   | 87       | 11       | 177383   | 85       | 1        | 177409   | 96       | 8        |
| 177339   | 87       | 12       | 177384   | 85       | 2        | 177409   | 97       | 8        |
| 177344   | 84       | 10       | 177385   | 85       | 3        | 177409   | 98       | 8        |
| 177344   | 85       | 10       | 177386   | 54       | 8        | 177410   | 93       | 1        |

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| 177412   | 125      | 14       | 177648   | 31       | 28       | 177729   | 67       | 19       |
| 177413   | 48       | 2        | 177648   | 32       | 19       | 177803   | 34       | 21       |
| 177416   | 52       | 16       | 177648   | 33       | 19       | 177803   | 36       | 21       |
| 177420   | 106      | 10       | 177648   | 48       | 4        | 177804   | 34       | 19       |
| 177421   | 106      | 8        | 177648   | 53       | 4        | 177804   | 36       | 19       |
| 177422   | 171      | 1        | 177648   | 64       | 9        | 177855   | 176      | 1        |
| 177426   | 96       | 11       | 177648   | 95       | 13       | 177893   | 99       | 21       |
| 177426   | 97       | 11       | 177648   | 104      | 13       | 177893   | 100      | 21       |
| 177426   | 98       | 11       | 177648   | 107      | 12       | 177893   | 101      | 21       |
| 177428   | 106      | 9        | 177648   | 125      | 4        | 177903   | 86       | 15       |
| 177433   | 106      | 1        | 177648   | 141      | 8        | 177903   | 102      | 24       |
| 177434   | 106      | 4        | 177648   | 165      | 7        | 177934   | 58       | 20       |
| 177435   | 49       | 1        | 177648   | 170      | 7        | 177991   | 106      | 5        |
| 177461   | 64       | 16       | 177652   | 128      | 10       | 177993   | 106      | 3        |
| 177462   | 75       | 4        | 177652   | 129      | 8        | 177994   | 106      | 33       |
| 177462   | 81       | 6        | 177652   | 130      | 15       | 177996   | 106      | 2        |
| 177462   | 82       | 6        | 177659   | 77       | 12       | 178067   | 9        | 4        |
| 177630   | 61       | 3        | 177659   | 83       | 8        | 178067   | 10       | 4        |
| 177630   | 62       | 3        | 177659   | 99       | 8        | 178067   | 12       | 4        |
| 177630   | 63       | 3        | 177659   | 100      | 8        | 178067   | 14       | 4        |
| 177630   | 87       | 15       | 177659   | 101      | 8        | 178067   | 16       | 4        |
| 177630   | 88       | 14       | 177659   | 102      | 17       | 178067   | 18       | 4        |
| 177631   | 61       | 5        | 177663   | 54       | 1        | 178067   | 20       | 4        |
| 177631   | 62       | 5        | 177664   | 99       | 7        | 178067   | 22       | 4        |
| 177632   | 61       | 2        | 177664   | 100      | 7        | 178067   | 24       | 16       |
| 177632   | 62       | 2        | 177664   | 101      | 7        | 178100   | 121      | 21       |
| 177632   | 87       | 16       | 177664   | 102      | 18       | 178100   | 124      | 22       |
| 177633   | 62       | 7        | 177665   | 78       | 3        | 178107   | 175      | 7        |
| 177637   | 61       | 4        | 177665   | 79       | 3        | 178127   | 126      | 9        |
| 177637   | 62       | 4        | 177665   | 80       | 3        | 178147   | 113      | 9        |
| 177638   | 62       | 6        | 177666   | 168      | 12       | 178172   | 59       | 1        |
| 177646   | 172      | 16       | 177679   | 99       | 1        | 178172   | 60       | 1        |
| 177646   | 173      | 16       | 177679   | 100      | 1        | 178173   | 63       | 6        |
| 177646   | 174      | 6        | 177679   | 101      | 1        | 178174   | 116      | 33       |
| 177648   | 9        | 15       | 177699   | 99       | 16       | 178268   | 116      | 9        |
| 177648   | 10       | 15       | 177699   | 100      | 16       | 178360   | 88       | 19       |
| 177648   | 16       | 15       | 177699   | 101      | 16       | 178361   | 88       | 18       |
| 177648   | 18       | 15       | 177710   | 106      | 32       | 178405   | 77       | 13       |

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| 178487   | 83       | 11       |
| 178569   | 34       | 20       |
| 178569   | 36       | 20       |
| 178570   | 34       | 18       |
| 178570   | 36       | 18       |
| 178700   | 54       | 22       |
| 178700   | 56       | 22       |
| 178708   | 167      | 3        |
| 178763   | 134      | 23       |
| 178763   | 135      | 23       |
| 178764   | 134      | 22       |
| 178764   | 135      | 22       |
| 178769   | 130      | 2        |
| 178786   | 130      | 1        |
| 178835   | 46       | 1        |
| 178852   | 30       | 16       |
| 178853   | 27       | 50       |
| 178854   | 30       | 3        |
| 178855   | 30       | 1        |
| 178857   | 55       | 65       |
| 178858   | 54       | 24       |
| 178858   | 56       | 24       |
| 178861   | 27       | 49       |
| 178862   | 16       | 39       |
| 178862   | 19       | 39       |
| 178862   | 21       | 54       |
| 178862   | 23       | 54       |
| 178863   | 16       | 40       |
| 178863   | 19       | 40       |
| 178863   | 20       | 19       |
| 178863   | 22       | 19       |
| 178867   | 16       | 2        |
| 178867   | 18       | 2        |
| 178867   | 20       | 2        |
| 178867   | 22       | 2        |
| 178867   | 25       | 1        |

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| 178870   | 25       | 6        |
| 178871   | 16       | 34       |
| 178871   | 18       | 34       |
| 178871   | 20       | 34       |
| 178871   | 22       | 34       |
| 178871   | 25       | 3        |
| 178872   | 54       | 19       |
| 178872   | 56       | 19       |
| 178873   | 54       | 20       |
| 178873   | 56       | 20       |
| 178874   | 128      | 13       |
| 178874   | 129      | 12       |
| 178874   | 130      | 3        |
| 178875   | 54       | 29       |
| 178875   | 56       | 29       |
| 178876   | 54       | 28       |
| 178876   | 56       | 28       |
| 178877   | 49       | 1        |
| 178880   | 44       | 12       |
| 178880   | 45       | 12       |
| 178883   | 55       | 60       |
| 178883   | 57       | 60       |
| 178884   | 52       | 17       |
| 178885   | 51       | 2        |
| 178886   | 51       | 3        |
| 178887   | 52       | 13       |
| 178888   | 46       | 10       |
| 178890   | 47       | 6        |
| 178891   | 42       | 33       |
| 178891   | 43       | 15       |
| 178893   | 43       | 28       |
| 178894   | 42       | 30       |
| 178894   | 43       | 29       |
| 178895   | 52       | 2        |
| 178896   | 52       | 14       |
| 178897   | 50       | 1        |
| 178898   | 49       | 12       |
| 178899   | 52       | 15       |
| 178900   | 51       | 2        |

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| 178901   | 51       | 3        |
| 178902   | 51       | 1        |
| 178903   | 50       | 26       |
| 178903   | 52       | 19       |
| 178906   | 48       | 1        |
| 178917   | 165      | 2        |
| 178918   | 165      | 3        |
| 178920   | 170      | 5        |
| 178921   | 173      | 1        |
| 178924   | 107      | 1        |
| 178927   | 107      | 2        |
| 178928   | 83       | 12       |
| 178930   | 171      | 5        |
| 178932   | 101      | 12       |
| 178932   | 102      | 8        |
| 178934   | 103      | 1        |
| 178947   | 134      | 1        |
| 178947   | 135      | 1        |
| 178959   | 110      | 7        |
| 178961   | 110      | 8        |
| 178963   | 110      | 3        |
| 178964   | 103      | 2        |
| 178965   | 99       | 14       |
| 178965   | 100      | 14       |
| 178965   | 101      | 14       |
| 178965   | 102      | 13       |
| 178966   | 120      | 6        |
| 178966   | 122      | 6        |
| 178967   | 116      | 34       |
| 178967   | 120      | 21       |
| 178967   | 122      | 21       |
| 178967   | 123      | 21       |
| 178968   | 121      | 17       |
| 178968   | 124      | 17       |
| 178969   | 121      | 18       |
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| 178970   | 121      | 19       |
| 178970   | 124      | 19       |
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| 178974   | 48       | 3        |
| 178983   | 26       | 20       |
| 178984   | 26       | 24       |
| 178985   | 26       | 23       |
| 178986   | 55       | 48       |
| 178986   | 56       | 1        |
| 179016   | 110      | 2        |
| 179017   | 110      | 10       |
| 179018   | 110      | 5        |
| 179021   | 31       | 37       |
| 179022   | 55       | 47       |
| 179023   | 54       | 46       |
| 179028   | 26       | 17       |
| 179029   | 141      | 7        |
| 179031   | 53       | 2        |
| 179033   | 116      | 1        |
| 179034   | 55       | 49       |
| 179035   | 31       | 1        |
| 179037   | 30       | 2        |
| 179039   | 30       | 29       |
| 179040   | 26       | 29       |
| 179041   | 90       | 14       |
| 179042   | 107      | 7        |
| 179043   | 107      | 6        |
| 179045   | 9        | 1        |
| 179045   | 10       | 1        |
| 179045   | 16       | 1        |
| 179045   | 18       | 1        |
| 179046   | 9        | 37       |
| 179046   | 11       | 37       |
| 179046   | 17       | 44       |
| 179046   | 19       | 44       |
| 179048   | 16       | 9        |
| 179048   | 18       | 9        |
| 179048   | 20       | 9        |
| 179048   | 22       | 9        |
| 179049   | 16       | 43       |
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| 179049   | 21       | 51       |
| 179049   | 23       | 51       |
| 179051   | 95       | 1        |
| 179053   | 88       | 1        |
| 179054   | 95       | 2        |
| 179056   | 95       | 5        |
| 179057   | 63       | 7        |
| 179059   | 117      | 6        |
| 179064   | 119      | 4        |
| 179066   | 12       | 11       |
| 179066   | 14       | 11       |
| 179066   | 20       | 11       |
| 179066   | 22       | 11       |
| 179067   | 164      | 16       |
| 179110   | 117      | 5        |
| 179110   | 118      | 7        |
| 179135   | 117      | 14       |
| 179135   | 118      | 9        |
| 179316   | 44       | 14       |
| 179316   | 45       | 14       |
| 179513   | 143      | 6        |
| 179527   | 114      | 3        |
| 179586   | 114      | 6        |
| 179586   | 115      | 3        |
| 179592   | 119      | 3        |
| 179669   | 16       | 37       |
| 179669   | 18       | 37       |
| 179669   | 21       | 52       |
| 179669   | 23       | 52       |
| 179670   | 16       | 38       |
| 179670   | 18       | 38       |
| 179670   | 21       | 53       |
| 179670   | 23       | 53       |
| 179687   | 4        | 32       |
| 179687   | 6        | 32       |
| 179704   | 4        | 25       |
| 179704   | 6        | 25       |
| 179730   | 4        | 10       |
| 179730   | 6        | 10       |

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| 179741   | 171      | 7        |
| 179762   | 164      | 13       |
| 179775   | 134      | 2        |
| 179775   | 135      | 2        |
| 179777   | 173      | 10       |
| 179782   | 55       | 59       |
| 179782   | 57       | 59       |
| 179790   | 44       | 13       |
| 179790   | 45       | 13       |
| 179793   | 9        | 27       |
| 179793   | 10       | 27       |
| 179793   | 12       | 27       |
| 179793   | 14       | 27       |
| 179793   | 16       | 27       |
| 179793   | 18       | 27       |
| 179793   | 20       | 27       |
| 179793   | 22       | 27       |
| 179793   | 44       | 32       |
| 179793   | 45       | 32       |
| 179793   | 148      | 18       |
| 179793   | 149      | 24       |
| 179793   | 160      | 8        |
| 179793   | 162      | 8        |
| 179799   | 117      | 2        |
| 179814   | 120      | 24       |
| 179814   | 122      | 2        |
| 179837   | 113      | 4        |
| 179852   | 154      | 16       |
| 179852   | 155      | 16       |
| 179852   | 158      | 16       |
| 179856   | 119      | 5        |
| 179860   | 96       | 28       |
| 179860   | 97       | 28       |
| 179860   | 98       | 28       |
| 179862   | 160      | 4        |
| 179862   | 162      | 4        |
| 179873   | 117      | 15       |
| 186340   | 99       | 6        |

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| 186340   | 100      | 6        | 202488   | 99       | 17       | 203574   | 84       | 2        |
| 186340   | 101      | 6        | 203273   | 99       | 23       | 203575   | 84       | 3        |
| 189575   | 84       | 18       | 203297   | 96       | 24       | 203576   | 84       | 1        |
| 189575   | 85       | 18       | 203298   | 96       | 22       | 203724   | 99       | 22       |
| 190845   | 106      | 15       | 203436   | 9        | 33       | 203786   | 4        | 20       |
| 190845   | 107      | 22       | 203436   | 11       | 33       | 203786   | 6        | 20       |
| 201679   | 174      | 3        | 203436   | 12       | 33       | 203799   | 4        | 20       |
| 201832   | 128      | 16       | 203436   | 14       | 33       | 203799   | 6        | 20       |
| 201838   | 135      | 6        | 203436   | 16       | 33       | 203913   | 9        | 3        |
| 201839   | 175      | 1        | 203436   | 18       | 33       | 203913   | 10       | 3        |
| 202449   | 9        | 39       | 203436   | 20       | 33       | 203913   | 12       | 3        |
| 202449   | 11       | 39       | 203436   | 22       | 33       | 203913   | 14       | 3        |
| 202449   | 13       | 48       | 203436   | 24       | 2        | 203913   | 16       | 3        |
| 202449   | 15       | 48       | 203436   | 25       | 2        | 203913   | 18       | 3        |
| 202449   | 17       | 46       | 203555   | 114      | 4        | 203913   | 20       | 3        |
| 202449   | 19       | 46       | 203555   | 115      | 5        | 203913   | 22       | 3        |
| 202449   | 21       | 55       | 203556   | 17       | 50       | 203913   | 24       | 17       |
| 202449   | 23       | 55       | 203556   | 19       | 50       | 203920   | 68       | 16       |
| 202450   | 9        | 5        | 203556   | 21       | 57       | 203921   | 71       | 7        |
| 202450   | 10       | 5        | 203556   | 23       | 57       | 203922   | 86       | 1        |
| 202450   | 12       | 5        | 203557   | 17       | 49       | 203923   | 86       | 2        |
| 202450   | 14       | 5        | 203557   | 19       | 49       | 203924   | 86       | 3        |
| 202458   | 4        | 37       | 203557   | 21       | 58       | 203925   | 102      | 21       |
| 202458   | 6        | 37       | 203557   | 23       | 58       | 203926   | 102      | 25       |
| 202461   | 61       | 7        | 203560   | 50       | 19       | 203927   | 33       | 27       |
| 202466   | 66       | 1        | 203564   | 115      | 2        | 204694   | 174      | 1        |
| 202467   | 66       | 5        | 203565   | 115      | 6        | 204697   | 174      | 9        |
| 202468   | 66       | 25       | 203566   | 36       | 26       | 204698   | 143      | 8        |
| 202469   | 66       | 26       | 203566   | 37       | 20       | 204733   | 168      | 10       |
| 202470   | 66       | 24       | 203567   | 61       | 1        | 204751   | 41       | 1        |
| 202471   | 75       | 1        | 203568   | 96       | 23       | 204767   | 83       | 7        |
| 202472   | 75       | 2        | 203569   | 98       | 1        | 204779   | 68       | 1        |
| 202473   | 69       | 4        | 203570   | 16       | 5        | 204781   | 68       | 5        |
| 202474   | 72       | 1        | 203570   | 18       | 5        | 204782   | 68       | 7        |
| 202475   | 72       | 2        | 203570   | 20       | 5        | 204784   | 68       | 17       |
| 202476   | 81       | 16       | 203570   | 22       | 5        | 204785   | 68       | 21       |
| 202479   | 87       | 19       | 203571   | 96       | 11       | 204786   | 68       | 24       |
| 202483   | 84       | 9        | 203572   | 50       | 5        | 204787   | 68       | 25       |
| 202484   | 91       | 4        | 203573   | 40       | 1        | 204788   | 77       | 1        |

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| 204791   | 71       | 6        | 205475   | 118      | 3        | 206009   | 42       | 31       |
| 204793   | 71       | 11       | 205531   | 129      | 1        | 206033   | 59       | 9        |
| 204794   | 83       | 1        | 205598   | 26       | 7        | 206034   | 58       | 9        |
| 204795   | 81       | 15       | 205671   | 174      | 7        | 206035   | 107      | 21       |
| 204795   | 83       | 6        | 205673   | 114      | 5        | 206036   | 32       | 2        |
| 204797   | 83       | 10       | 205686   | 114      | 3        | 206039   | 42       | 23       |
| 204798   | 83       | 15       | 205692   | 98       | 31       | 206039   | 43       | 23       |
| 204799   | 83       | 18       | 205701   | 118      | 8        | 206040   | 41       | 3        |
| 204800   | 88       | 4        | 205701   | 118      | 10       | 206062   | 43       | 1        |
| 204801   | 88       | 12       | 205702   | 118      | 12       | 206068   | 68       | 10       |
| 204802   | 88       | 13       | 205703   | 9        | 7        | 206069   | 66       | 10       |
| 204803   | 88       | 20       | 205703   | 10       | 7        | 206069   | 67       | 10       |
| 204810   | 86       | 11       | 205703   | 12       | 7        | 206069   | 68       | 15       |
| 204812   | 86       | 12       | 205703   | 14       | 7        | 206082   | 160      | 11       |
| 204814   | 86       | 13       | 205703   | 16       | 7        | 206084   | 116      | 28       |
| 204816   | 86       | 14       | 205703   | 18       | 7        | 206085   | 58       | 2        |
| 204817   | 86       | 17       | 205703   | 20       | 7        | 206086   | 32       | 31       |
| 204818   | 86       | 20       | 205703   | 22       | 7        | 206087   | 58       | 8        |
| 204821   | 90       | 15       | 205703   | 112      | 1        | 206088   | 42       | 32       |
| 204824   | 95       | 17       | 205724   | 142      | 2        | 206090   | 108      | 1        |
| 204880   | 97       | 1        | 205853   | 61       | 6        | 206092   | 116      | 37       |
| 204882   | 96       | 1        | 205869   | 128      | 1        | 206093   | 116      | 36       |
| 204883   | 34       | 1        | 205895   | 174      | 2        | 206094   | 28       | 14       |
| 204883   | 35       | 1        | 205930   | 142      | 1        | 206094   | 29       | 14       |
| 204884   | 36       | 1        | 205940   | 175      | 9        | 206109   | 16       | 11       |
| 204884   | 37       | 1        | 205976   | 121      | 14       | 206109   | 18       | 11       |
| 204907   | 86       | 16       | 205976   | 124      | 14       | 206109   | 21       | 56       |
| 204908   | 143      | 7        | 205980   | 121      | 20       | 206109   | 23       | 56       |
| 204909   | 63       | 12       | 205980   | 124      | 21       | 206134   | 112      | 12       |
| 204944   | 118      | 11       | 205986   | 112      | 5        | 206251   | 75       | 3        |
| 204948   | 118      | 1        | 205987   | 112      | 6        | 206258   | 71       | 9        |
| 204950   | 118      | 5        | 205988   | 112      | 9        | 206259   | 71       | 10       |
| 204951   | 118      | 6        | 205989   | 112      | 13       | 206283   | 86       | 18       |
| 204970   | 118      | 2        | 205990   | 112      | 14       | 206346   | 162      | 3        |
| 205117   | 121      | 22       | 205991   | 112      | 15       | 206363   | 86       | 10       |
| 205117   | 124      | 23       | 205998   | 128      | 8        | 206380   | 66       | 14       |
| 205214   | 174      | 8        | 205999   | 128      | 7        | 206380   | 67       | 14       |
| 205343   | 171      | 18       | 206002   | 128      | 9        | 206380   | 68       | 9        |

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| 206381   | 66       | 15       | 206912   | 102      | 16       | 207039   | 34       | 14       |
| 206381   | 67       | 15       | 206921   | 42       | 20       | 207039   | 36       | 14       |
| 206382   | 66       | 17       | 206921   | 43       | 20       | 207040   | 34       | 22       |
| 206382   | 67       | 17       | 206922   | 42       | 21       | 207040   | 36       | 22       |
| 206383   | 66       | 18       | 206922   | 43       | 21       | 207041   | 34       | 23       |
| 206383   | 67       | 18       | 206923   | 49       | 14       | 207041   | 36       | 23       |
| 206385   | 66       | 22       | 206924   | 106      | 28       | 207042   | 42       | 1        |
| 206385   | 67       | 22       | 206927   | 60       | 9        | 207043   | 42       | 5        |
| 206385   | 68       | 18       | 206928   | 49       | 11       | 207044   | 44       | 11       |
| 206387   | 65       | 2        | 206929   | 106      | 29       | 207045   | 44       | 28       |
| 206388   | 65       | 4        | 206933   | 97       | 32       | 207047   | 109      | 1        |
| 206389   | 65       | 11       | 206934   | 97       | 35       | 207048   | 109      | 2        |
| 206391   | 75       | 10       | 206935   | 97       | 3        | 207049   | 26       | 2        |
| 206391   | 76       | 10       | 206936   | 97       | 23       | 207049   | 110      | 1        |
| 206393   | 78       | 1        | 206937   | 98       | 36       | 207050   | 112      | 7        |
| 206394   | 69       | 1        | 206938   | 98       | 34       | 207050   | 113      | 8        |
| 206394   | 70       | 1        | 206939   | 98       | 35       | 207051   | 113      | 11       |
| 206394   | 71       | 1        | 206971   | 28       | 8        | 207052   | 113      | 12       |
| 206395   | 81       | 14       | 206971   | 29       | 8        | 207053   | 9        | 10       |
| 206395   | 82       | 14       | 206973   | 31       | 30       | 207053   | 10       | 10       |
| 206804   | 62       | 1        | 206974   | 31       | 31       | 207053   | 16       | 10       |
| 206808   | 96       | 4        | 206976   | 28       | 7        | 207053   | 18       | 10       |
| 206808   | 97       | 4        | 206976   | 29       | 7        | 207053   | 126      | 1        |
| 206809   | 96       | 3        | 207031   | 75       | 9        | 207054   | 126      | 9        |
| 206809   | 97       | 34       | 207031   | 76       | 9        | 207055   | 119      | 12       |
| 206819   | 63       | 1        | 207031   | 77       | 11       | 207056   | 172      | 1        |
| 206892   | 74       | 10       | 207032   | 31       | 10       | 207057   | 172      | 10       |
| 206896   | 97       | 22       | 207033   | 30       | 30       | 207060   | 55       | 62       |
| 206896   | 98       | 22       | 207034   | 32       | 3        | 207060   | 56       | 5        |
| 206902   | 74       | 1        | 207034   | 33       | 3        | 207061   | 55       | 67       |
| 206903   | 74       | 2        | 207035   | 33       | 31       | 207062   | 56       | 2        |
| 206904   | 74       | 4        | 207036   | 69       | 7        | 207063   | 56       | 8        |
| 206905   | 74       | 5        | 207036   | 70       | 7        | 207064   | 56       | 46       |
| 206908   | 74       | 9        | 207036   | 71       | 8        | 207065   | 57       | 64       |
| 206909   | 72       | 15       | 207037   | 96       | 2        | 207066   | 59       | 2        |
| 206909   | 73       | 15       | 207037   | 97       | 2        | 207067   | 59       | 20       |
| 206909   | 74       | 15       | 207037   | 98       | 33       | 207068   | 59       | 21       |
| 206910   | 74       | 20       | 207038   | 34       | 13       | 207088   | 31       | 19       |
| 206911   | 74       | 21       | 207038   | 36       | 13       | 207089   | 31       | 20       |

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| 207096   | 42       | 22       | 207258   | 99       | 9        | 209482   | 74       | 6        |
| 207096   | 43       | 22       | 207258   | 100      | 9        | 209549   | 81       | 13       |
| 207108   | 13       | 43       | 207258   | 101      | 9        | 209549   | 82       | 13       |
| 207108   | 15       | 43       | 207260   | 102      | 6        | 209922   | 81       | 10       |
| 207108   | 21       | 43       | 207262   | 99       | 11       | 209922   | 82       | 10       |
| 207108   | 23       | 43       | 207262   | 100      | 11       | 209922   | 83       | 16       |
| 207116   | 42       | 25       | 207262   | 101      | 11       | 209933   | 84       | 17       |
| 207116   | 43       | 25       | 207262   | 107      | 24       | 209933   | 85       | 17       |
| 207128   | 43       | 24       | 207264   | 99       | 13       | 209967   | 91       | 1        |
| 207130   | 42       | 24       | 207264   | 100      | 13       | 209967   | 92       | 1        |
| 207131   | 46       | 15       | 207270   | 99       | 15       | 209968   | 93       | 2        |
| 207132   | 44       | 23       | 207270   | 100      | 15       | 209968   | 94       | 2        |
| 207132   | 45       | 23       | 207271   | 99       | 12       | 209969   | 73       | 6        |
| 207133   | 41       | 4        | 207271   | 100      | 12       | 270244   | 4        | 35       |
| 207134   | 52       | 12       | 207280   | 107      | 20       | 270244   | 6        | 35       |
| 207136   | 52       | 18       | 207290   | 78       | 6        | 651390   | 55       | 56       |
| 207138   | 169      | 3        | 207290   | 79       | 6        | 651390   | 57       | 56       |
| 207143   | 31       | 41       | 207450   | 93       | 10       | 651393   | 27       | 43       |
| 207143   | 55       | 50       | 207451   | 93       | 11       | 651393   | 31       | 7        |
| 207143   | 57       | 50       | 207452   | 93       | 17       | 651393   | 32       | 4        |
| 207150   | 106      | 13       | 207455   | 95       | 4        | 651393   | 33       | 4        |
| 207153   | 176      | 9        | 207466   | 106      | 7        | 651393   | 64       | 5        |
| 207157   | 107      | 9        | 207468   | 121      | 3        | 651393   | 96       | 5        |
| 207161   | 32       | 32       | 207469   | 160      | 6        | 651393   | 97       | 5        |
| 207161   | 33       | 2        | 207469   | 162      | 6        | 651393   | 98       | 5        |
| 207173   | 107      | 17       | 207470   | 160      | 2        | 651395   | 64       | 12       |
| 207180   | 161      | 9        | 207471   | 53       | 1        | 651397   | 36       | 2        |
| 207185   | 161      | 11       | 208161   | 75       | 6        | 651397   | 37       | 2        |
| 207191   | 161      | 10       | 208161   | 76       | 25       | 651397   | 93       | 12       |
| 207211   | 50       | 12       | 208161   | 77       | 18       | 651397   | 120      | 2        |
| 207219   | 54       | 11       | 208171   | 77       | 5        | 651397   | 122      | 24       |
| 207219   | 56       | 11       | 208346   | 97       | 24       | 651397   | 123      | 26       |
| 207252   | 58       | 17       | 209196   | 172      | 14       | 651398   | 24       | 8        |
| 207252   | 58       | 19       | 209196   | 173      | 14       | 651398   | 25       | 8        |
| 207252   | 59       | 17       | 209197   | 172      | 15       | 651399   | 116      | 3        |
| 207252   | 59       | 19       | 209197   | 173      | 15       | 651405   | 30       | 17       |
| 207252   | 60       | 19       | 209475   | 93       | 4        | 651406   | 26       | 3        |
| 207252   | 60       | 20       | 209475   | 94       | 4        | 651408   | 16       | 42       |
| 207257   | 106      | 30       | 209482   | 72       | 6        | 651408   | 19       | 42       |

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| 651408   | 20       | 15       | 651445   | 22       | 38       | 651465   | 162      | 5        |
| 651408   | 22       | 15       | 651446   | 54       | 44       | 651466   | 26       | 18       |
| 651408   | 27       | 54       | 651446   | 56       | 44       | 651468   | 149      | 18       |
| 651421   | 98       | 4        | 651448   | 44       | 35       | 651471   | 26       | 14       |
| 651422   | 46       | 17       | 651448   | 45       | 24       | 651472   | 134      | 11       |
| 651424   | 31       | 42       | 651448   | 49       | 13       | 651472   | 135      | 11       |
| 651424   | 49       | 17       | 651456   | 27       | 53       | 651472   | 154      | 3        |
| 651424   | 106      | 16       | 651456   | 46       | 11       | 651472   | 155      | 3        |
| 651428   | 141      | 4        | 651456   | 49       | 20       | 651472   | 158      | 3        |
| 651428   | 142      | 5        | 651457   | 31       | 8        | 651473   | 31       | 24       |
| 651430   | 13       | 45       | 651457   | 32       | 17       | 651475   | 31       | 21       |
| 651430   | 15       | 45       | 651457   | 33       | 17       | 651475   | 44       | 36       |
| 651430   | 21       | 45       | 651457   | 104      | 7        | 651475   | 45       | 25       |
| 651430   | 23       | 45       | 651457   | 105      | 7        | 651475   | 116      | 20       |
| 651430   | 31       | 40       | 651457   | 174      | 11       | 651475   | 117      | 8        |
| 651430   | 50       | 22       | 651458   | 31       | 12       | 651475   | 176      | 5        |
| 651433   | 89       | 8        | 651458   | 34       | 8        | 651477   | 44       | 30       |
| 651433   | 90       | 8        | 651458   | 35       | 8        | 651477   | 45       | 30       |
| 651434   | 39       | 28       | 651458   | 36       | 8        | 651480   | 9        | 38       |
| 651438   | 102      | 12       | 651458   | 37       | 8        | 651480   | 11       | 38       |
| 651439   | 34       | 7        | 651458   | 38       | 14       | 651480   | 17       | 45       |
| 651439   | 35       | 7        | 651458   | 39       | 5        | 651480   | 19       | 45       |
| 651439   | 36       | 7        | 651458   | 46       | 4        | 651480   | 103      | 4        |
| 651439   | 37       | 7        | 651458   | 48       | 6        | 651480   | 107      | 3        |
| 651439   | 38       | 13       | 651458   | 49       | 4        | 651481   | 106      | 25       |
| 651440   | 39       | 4        | 651458   | 54       | 26       | 651483   | 9        | 24       |
| 651440   | 99       | 2        | 651458   | 56       | 26       | 651483   | 10       | 24       |
| 651440   | 100      | 2        | 651458   | 89       | 11       | 651483   | 12       | 24       |
| 651440   | 101      | 2        | 651458   | 90       | 11       | 651483   | 14       | 24       |
| 651440   | 102      | 2        | 651458   | 106      | 22       | 651483   | 16       | 24       |
| 651443   | 34       | 17       | 651458   | 107      | 27       | 651483   | 18       | 24       |
| 651443   | 35       | 17       | 651458   | 146      | 14       | 651483   | 20       | 24       |
| 651443   | 36       | 17       | 651458   | 147      | 16       | 651483   | 22       | 24       |
| 651443   | 37       | 17       | 651458   | 168      | 5        | 651489   | 9        | 26       |
| 651443   | 38       | 11       | 651459   | 32       | 8        | 651489   | 10       | 26       |
| 651444   | 26       | 8        | 651459   | 33       | 8        | 651489   | 12       | 26       |
| 651445   | 13       | 38       | 651460   | 27       | 51       | 651489   | 14       | 26       |
| 651445   | 15       | 38       | 651463   | 54       | 32       | 651489   | 16       | 26       |
| 651445   | 20       | 38       | 651463   | 56       | 32       | 651489   | 18       | 26       |

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| 651489   | 20       | 26       | 656008   | 103      | 6        | 656093   | 107      | 8        |
| 651489   | 22       | 26       | 656008   | 120      | 18       | 656093   | 150      | 17       |
| 651505   | 96       | 16       | 656008   | 122      | 18       | 656094   | 148      | 2        |
| 651505   | 97       | 16       | 656008   | 123      | 18       | 656094   | 149      | 2        |
| 651505   | 98       | 16       | 656047   | 26       | 35       | 656100   | 160      | 10       |
| 651507   | 26       | 33       | 656048   | 30       | 14       | 656100   | 162      | 10       |
| 651507   | 30       | 6        | 656048   | 32       | 29       | 656105   | 26       | 32       |
| 651507   | 32       | 24       | 656048   | 33       | 29       | 656105   | 31       | 27       |
| 651507   | 33       | 24       | 656048   | 50       | 21       | 656105   | 54       | 12       |
| 651507   | 42       | 35       | 656048   | 52       | 9        | 656105   | 56       | 12       |
| 651507   | 43       | 34       | 656048   | 54       | 45       | 656105   | 108      | 3        |
| 651507   | 128      | 4        | 656048   | 56       | 45       | 656105   | 134      | 8        |
| 651507   | 129      | 4        | 656048   | 58       | 7        | 656105   | 135      | 8        |
| 651507   | 130      | 14       | 656048   | 93       | 7        | 656110   | 55       | 54       |
| 651507   | 171      | 16       | 656048   | 94       | 7        | 656110   | 57       | 54       |
| 651515   | 9        | 13       | 656048   | 95       | 7        | 656116   | 32       | 9        |
| 651515   | 10       | 13       | 656090   | 9        | 21       | 656116   | 33       | 9        |
| 651515   | 12       | 13       | 656090   | 10       | 21       | 656122   | 13       | 46       |
| 651515   | 14       | 13       | 656090   | 12       | 21       | 656122   | 15       | 46       |
| 651515   | 16       | 13       | 656090   | 14       | 21       | 656122   | 21       | 48       |
| 651515   | 18       | 13       | 656090   | 16       | 21       | 656122   | 23       | 48       |
| 651515   | 20       | 13       | 656090   | 18       | 21       | 656122   | 26       | 30       |
| 651515   | 22       | 13       | 656090   | 20       | 21       | 656128   | 28       | 2        |
| 651517   | 31       | 18       | 656090   | 22       | 21       | 656128   | 29       | 2        |
| 651517   | 54       | 35       | 656093   | 31       | 9        | 656128   | 44       | 6        |
| 651517   | 56       | 35       | 656093   | 32       | 11       | 656128   | 45       | 6        |
| 651519   | 55       | 58       | 656093   | 33       | 11       | 656128   | 104      | 5        |
| 651519   | 57       | 58       | 656093   | 54       | 18       | 656128   | 105      | 5        |
| 656002   | 106      | 20       | 656093   | 56       | 18       | 656130   | 146      | 13       |
| 656006   | 9        | 20       | 656093   | 58       | 6        | 656130   | 147      | 13       |
| 656006   | 10       | 20       | 656093   | 59       | 6        | 656139   | 32       | 14       |
| 656006   | 12       | 20       | 656093   | 60       | 6        | 656139   | 33       | 14       |
| 656006   | 14       | 20       | 656093   | 64       | 14       | 656139   | 39       | 23       |
| 656006   | 16       | 20       | 656093   | 96       | 19       | 656148   | 9        | 35       |
| 656006   | 18       | 20       | 656093   | 97       | 19       | 656148   | 11       | 35       |
| 656006   | 20       | 20       | 656093   | 98       | 19       | 656148   | 12       | 32       |
| 656006   | 22       | 20       | 656093   | 104      | 9        | 656148   | 14       | 32       |
| 656006   | 27       | 46       | 656093   | 105      | 9        | 656148   | 16       | 35       |
| 656008   | 39       | 9        | 656093   | 106      | 23       | 656148   | 18       | 35       |

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| 656148     | 20       | 32       | 7462680008 | 99       | 20       | 1423447G  | 49       | 24       |
| 656148     | 22       | 32       | 7462680008 | 100      | 20       | 1423449G  | 42       | 26       |
| 656149     | 47       | 4        | 7462680008 | 101      | 20       | 1423449G  | 43       | 26       |
| 656149     | 96       | 25       | 7462680008 | 106      | 18       | 1423449G  | 49       | 15       |
| 656149     | 97       | 29       | 7462680008 | 174      | 10       | 1424404G  | 98       | 32       |
| 656149     | 98       | 29       | 7462680011 | 30       | 11       | 1424446G  | 42       | 27       |
| 656149     | 106      | 19       | 7462680011 | 31       | 26       | 1424446G  | 43       | 27       |
| 656149     | 171      | 2        | 7462680011 | 32       | 13       | 1424447G  | 49       | 22       |
| 809312     | 168      | 8        | 7462680011 | 33       | 13       | 1428450G  | 116      | 6        |
| 809344     | 167      | 6        | 7462680011 | 48       | 5        | 2529457G  | 27       | 48       |
| 0003320872 | 55       | 52       | 7462680011 | 53       | 6        | 2529457G  | 57       | 62       |
| 0003320872 | 57       | 52       | 7462680011 | 54       | 16       | 425-34636 | 102      | 15       |
| 0003320872 | 172      | 9        | 7462680011 | 56       | 16       | 425-34652 | 94       | 3        |
| 0003320872 | 173      | 9        | 7462680011 | 58       | 4        | 425-34652 | 95       | 3        |
| 0003325912 | 174      | 5        | 7462680011 | 59       | 4        | 425-34652 | 95       | 6        |
| 0003330440 | 171      | 9        | 7462680011 | 60       | 4        | 425-34661 | 87       | 6        |
| 0003331306 | 172      | 3        | 7462680011 | 89       | 10       | 425-34661 | 88       | 10       |
| 0003331306 | 173      | 3        | 7462680011 | 90       | 10       | 425-34683 | 87       | 13       |
| 0003631620 | 126      | 8        | 7462680011 | 106      | 21       | 425-34683 | 88       | 7        |
| 0003631620 | 127      | 10       | 7462680011 | 107      | 14       | 425-34686 | 107      | 31       |
| 0003634062 | 78       | 10       | 7462680011 | 134      | 10       | 425-34687 | 107      | 30       |
| 0003638466 | 120      | 8        | 7462680011 | 135      | 10       | 425-34689 | 68       | 20       |
| 0003638466 | 122      | 8        | 7462680011 | 141      | 10       | 425-34704 | 87       | 8        |
| 0003638466 | 123      | 25       | 7462680011 | 150      | 2        | 425-34704 | 88       | 11       |
| 0003638466 | 125      | 9        | 7462680011 | 170      | 4        | 425-34713 | 63       | 10       |
| 0210110506 | 65       | 3        | 7733661603 | 174      | 4        | 425-34713 | 102      | 19       |
| 0210111308 | 88       | 5        | 7788010663 | 58       | 12       | 425-34714 | 63       | 11       |
| 0210113712 | 63       | 4        | 7788010663 | 59       | 12       | 425-34714 | 102      | 20       |
| 7236677187 | 55       | 63       | 7788010663 | 60       | 12       | 425-34753 | 78       | 2        |
| 7236677187 | 56       | 6        | 7788010663 | 116      | 29       | 425-34753 | 79       | 2        |
| 7462680008 | 32       | 15       | 1408450G   | 141      | 1        | 425-34753 | 80       | 2        |
| 7462680008 | 33       | 15       | 1410401G   | 104      | 2        | 425-34853 | 106      | 6        |
| 7462680008 | 42       | 28       | 1410401G   | 105      | 2        | 425-34853 | 107      | 29       |
| 7462680008 | 43       | 30       | 1420403G   | 104      | 1        | 425-35492 | 90       | 17       |
| 7462680008 | 59       | 7        | 1420403G   | 105      | 1        | 425-35492 | 92       | 4        |
| 7462680008 | 60       | 7        | 1423029G   | 134      | 12       | 425-35925 | 63       | 8        |
| 7462680008 | 96       | 26       | 1423029G   | 135      | 12       | 425-35973 | 102      | 1        |
| 7462680008 | 97       | 30       | 1423030G   | 134      | 13       | 425-36006 | 65       | 1        |
| 7462680008 | 98       | 30       | 1423030G   | 135      | 13       | 425-36085 | 81       | 3        |

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## NOTES

## TORQUE SPECIFICATIONS

*Note: Use these torque values when tightening Mustang hardware (excluding: locknuts and self-tapping, thread forming and sheet metal screws) unless specified otherwise.*

| Hydraulic fittings with various seals (light application). All torque values are in lb.-ft. (Nm) unless marked otherwise. |                                                         |              |           |                                    |                              |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--------------|-----------|------------------------------------|------------------------------|
| Thread                                                                                                                    | Straight pipe fitting with thread and screwed plug (GE) |              |           | Non-return valve with elastic seal | Identification aid outside Ø |
|                                                                                                                           | Sealing washer                                          | Elastic seal | O-ring    |                                    |                              |
| M10X1.0                                                                                                                   | 7 (9)                                                   | 13 (18)      | 11 (15)   | 13 (18)                            | 0.4 in. (10 mm)              |
| M12X1.5                                                                                                                   | 15 (20)                                                 | 18 (25)      | 18 (25)   | 18 (25)                            | 0.5 in. (12 mm)              |
| M14X1.5                                                                                                                   | 26 (35)                                                 | 33 (45)      | 26 (35)   | 26 (35)                            | 0.6 in. (14 mm)              |
| M16X1.5                                                                                                                   | 33 (45)                                                 | 41 (55)      | 30 (40)   | 37 (50)                            | 0.6 in. (16 mm)              |
| M18X1.5                                                                                                                   | 41 (55)                                                 | 52 (70)      | 33 (45)   | 52 (70)                            | 0.7 in. (18 mm)              |
| M22X1.5                                                                                                                   | 48 (65)                                                 | 92 (125)     | 44 (60)   | 92 (125)                           | 0.9 in. (22 mm)              |
| M27X2.0                                                                                                                   | 66 (90)                                                 | 133 (180)    | 74 (100)  | 107 (145)                          | 1.0 in. (27 mm)              |
| M33X2.0                                                                                                                   | 111 (150)                                               | 229 (310)    | 118 (160) | 155 (210)                          | 1.3 in. (33 mm)              |
| M42X2.0                                                                                                                   | 177 (240)                                               | 332 (450)    | 155 (210) | 266 (360)                          | 1.7 in. (42 mm)              |
| M48X2.0                                                                                                                   | 214 (290)                                               | 398 (540)    | 192 (260) | 398 (540)                          | 1.9 in. (48 mm)              |
| G1/8A                                                                                                                     | 7 (9)                                                   | 13 (18)      | 11 (15)   | 13 (18)                            | 0.4 in. (9.73 mm)            |
| G1/4A                                                                                                                     | 26 (35)                                                 | 26 (35)      | 22 (30)   | 26 (35)                            | 0.5 in. (13.16 mm)           |
| G3/8A                                                                                                                     | 33 (45)                                                 | 52 (70)      | 33 (45)   | 37 (50)                            | 0.7 in. (16.66 mm)           |
| G1/2A                                                                                                                     | 48 (65)                                                 | 66 (90)      | 41 (55)   | 48 (65)                            | 0.8 in. (20.96 mm)           |
| G3/4A                                                                                                                     | 66 (90)                                                 | 133 (180)    | 74 (100)  | 103 (140)                          | 1.0 in. (26.44 mm)           |
| G1A                                                                                                                       | 111 (150)                                               | 229 (310)    | 118 (160) | 140 (190)                          | 1.3 in. (33.25 mm)           |
| G1 1/4A                                                                                                                   | 177 (240)                                               | 332 (450)    | 155 (210) | 266 (360)                          | 1.7 in. (41.91 mm)           |
| G1 1/2A                                                                                                                   | 214 (290)                                               | 398 (540)    | 192 (260) | 398 (540)                          | 1.9 in. (47.80 mm)           |

| Hydraulic fittings with various seals (heavy application). All torque values are in lb.-ft. (Nm) unless marked otherwise. |                                                         |              |           |                                    |                              |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--------------|-----------|------------------------------------|------------------------------|
| Thread                                                                                                                    | Straight pipe fitting with thread and screwed plug (GE) |              |           | Non-return valve with elastic seal | Identification aid outside Ø |
|                                                                                                                           | Sealing washer                                          | Elastic seal | O-ring    |                                    |                              |
| M12X1.5                                                                                                                   | 15 (20)                                                 | 26 (35)      | 26 (35)   | 26 (35)                            | 0.5 in. (12 mm)              |
| M14X1.5                                                                                                                   | 26 (35)                                                 | 41 (55)      | 33 (45)   | 33 (45)                            | 0.6 in. (14 mm)              |
| M16X1.5                                                                                                                   | 33 (45)                                                 | 52 (70)      | 41 (55)   | 41 (55)                            | 0.6 in. (16 mm)              |
| M18X1.5                                                                                                                   | 41 (55)                                                 | 66 (90)      | 52 (70)   | 52 (70)                            | 0.7 in. (18 mm)              |
| M20X1.5                                                                                                                   | 41 (55)                                                 | 92 (125)     | 59 (80)   | 74 (100)                           | 0.8 in. (20 mm)              |
| M22X1.5                                                                                                                   | 48 (65)                                                 | 100 (135)    | 74 (100)  | 92 (125)                           | 0.9 in. (22 mm)              |
| M27X2.0                                                                                                                   | 66 (90)                                                 | 133 (180)    | 125 (170) | 100 (135)                          | 1.0 in. (27 mm)              |
| M33X2.0                                                                                                                   | 111 (150)                                               | 229 (310)    | 229 (310) | 155 (210)                          | 1.3 in. (33 mm)              |
| M42X2.0                                                                                                                   | 177 (240)                                               | 332 (450)    | 243 (330) | 266 (360)                          | 1.7 in. (42 mm)              |
| M48X2.0                                                                                                                   | 214 (290)                                               | 398 (540)    | 310 (420) | 398 (540)                          | 1.9 in. (48 mm)              |
| G1/8A                                                                                                                     | 26 (35)                                                 | 41 (55)      | 33 (45)   | 33 (45)                            | 0.5 in. (13.16 mm)           |
| G1/4A                                                                                                                     | 33 (45)                                                 | 59 (80)      | 44 (60)   | 44 (60)                            | 0.7 in. (16.66 mm)           |
| G3/8A                                                                                                                     | 48 (65)                                                 | 85 (115)     | 55 (75)   | 74 (100)                           | 0.8 in. (20.96 mm)           |
| G1/2A                                                                                                                     | 66 (90)                                                 | 133 (180)    | 125 (170) | 107 (145)                          | 1.0 in. (26.44 mm)           |
| G3/4A                                                                                                                     | 111 (150)                                               | 229 (310)    | 229 (310) | 192 (260)                          | 1.3 in. (33.25 mm)           |
| G1A                                                                                                                       | 177 (240)                                               | 332 (450)    | 243 (330) | 266 (360)                          | 1.7 in. (41.91 mm)           |
| G1 1/4A                                                                                                                   | 214 (290)                                               | 398 (540)    | 310 (420) | 398 (540)                          | 1.9 in. (47.80 mm)           |

With coarse-pitch thread. All torque values are in lb.-ft. (Nm) unless marked otherwise.

| Thread | Threads according to DIN 912, DIN 931, DIN 933, etc. |             |             | Threads according to DIN 7984 |             |
|--------|------------------------------------------------------|-------------|-------------|-------------------------------|-------------|
|        | 8.8                                                  | 10.9        | 12.9        | 8.8                           | 10.9        |
| M5     | 4.1 (5.5)                                            | 6 (8)       | 7 (10)      | 4 (5)                         | 5 (7)       |
| M6     | 7 (10)                                               | 10 (14)     | 13 (17)     | 6.3 (8.5)                     | 9 (12)      |
| M8     | 18 (25)                                              | 26 (35)     | 31 (42)     | 15 (20)                       | 22 (30)     |
| M10    | 33 (45)                                              | 48 (65)     | 59 (80)     | 30 (40)                       | 44 (59)     |
| M12    | 64 (87)                                              | 81 (110)    | 108 (147)   | 51 (69)                       | 74 (100)    |
| M14    | 100 (135)                                            | 133 (180)   | 170 (230)   | 81 (110)                      | 118 (160)   |
| M16    | 155 (210)                                            | 203 (275)   | 258 (350)   | 125 (170)                     | 184 (250)   |
| M18    | 207 (280)                                            | 302 (410)   | 354 (480)   | 181 (245)                     | 254 (345)   |
| M20    | 302 (410)                                            | 420 (570)   | 509 (690)   | 251 (340)                     | 361 (490)   |
| M22    | 406 (550)                                            | 575 (780)   | 686 (930)   | 339 (460)                     | 487 (660)   |
| M24    | 524 (710)                                            | 738 (1000)  | 878 (1190)  | 435 (590)                     | 620 (840)   |
| M27    | 767 (1040)                                           | 1092 (1480) | 1305 (1770) | 642 (870)                     | 922 (1250)  |
| M30    | 1047 (1420)                                          | 1482 (2010) | 1770 (2400) | 885 (1200)                    | 1254 (1700) |

With fine-pitch thread. All torque values are in lb.-ft. (Nm) unless marked otherwise.

| Thread   | Threads according to DIN 912, DIN 931, DIN 933, etc. |             |             | Threads according to DIN 7984 |             |
|----------|------------------------------------------------------|-------------|-------------|-------------------------------|-------------|
|          | 8.8                                                  | 10.9        | 12.9        | 8.8                           | 10.9        |
| M8X1.0   | 18 (25)                                              | 27 (37)     | 32 (43)     | 16 (22)                       | 24 (32)     |
| M10X1.0  | 37 (50)                                              | 55 (75)     | 65 (88)     | 32 (43)                       | 48 (65)     |
| M10X1.25 | 36 (49)                                              | 52 (71)     | 61 (83)     | 31 (42)                       | 46 (62)     |
| M12X1.25 | 64 (87)                                              | 96 (130)    | 111 (150)   | 55 (75)                       | 81 (110)    |
| M12X1.5  | 61 (83)                                              | 92 (125)    | 107 (145)   | 53 (72)                       | 77 (105)    |
| M14X1.5  | 100 (135)                                            | 148 (200)   | 173 (235)   | 89 (120)                      | 129 (175)   |
| M16X1.5  | 155 (210)                                            | 229 (310)   | 266 (360)   | 133 (180)                     | 195 (265)   |
| M18X1.5  | 232 (315)                                            | 332 (450)   | 391 (530)   | 199 (270)                     | 284 (385)   |
| M20X1.5  | 325 (440)                                            | 465 (630)   | 538 (730)   | 277 (375)                     | 391 (530)   |
| M22X1.5  | 435 (590)                                            | 620 (840)   | 723 (980)   | 369 (500)                     | 524 (710)   |
| M24X2.0  | 546 (740)                                            | 789 (1070)  | 922 (1250)  | 465 (630)                     | 664 (900)   |
| M27X2.0  | 811 (1100)                                           | 1143 (1550) | 1328 (1800) | 679 (920)                     | 959 (1300)  |
| M30X2.0  | 1106 (1500)                                          | 1586 (2150) | 1844 (2500) | 959 (1300)                    | 1364 (1850) |



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