

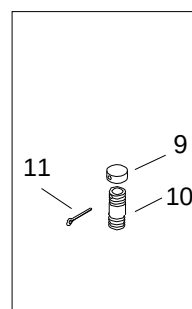
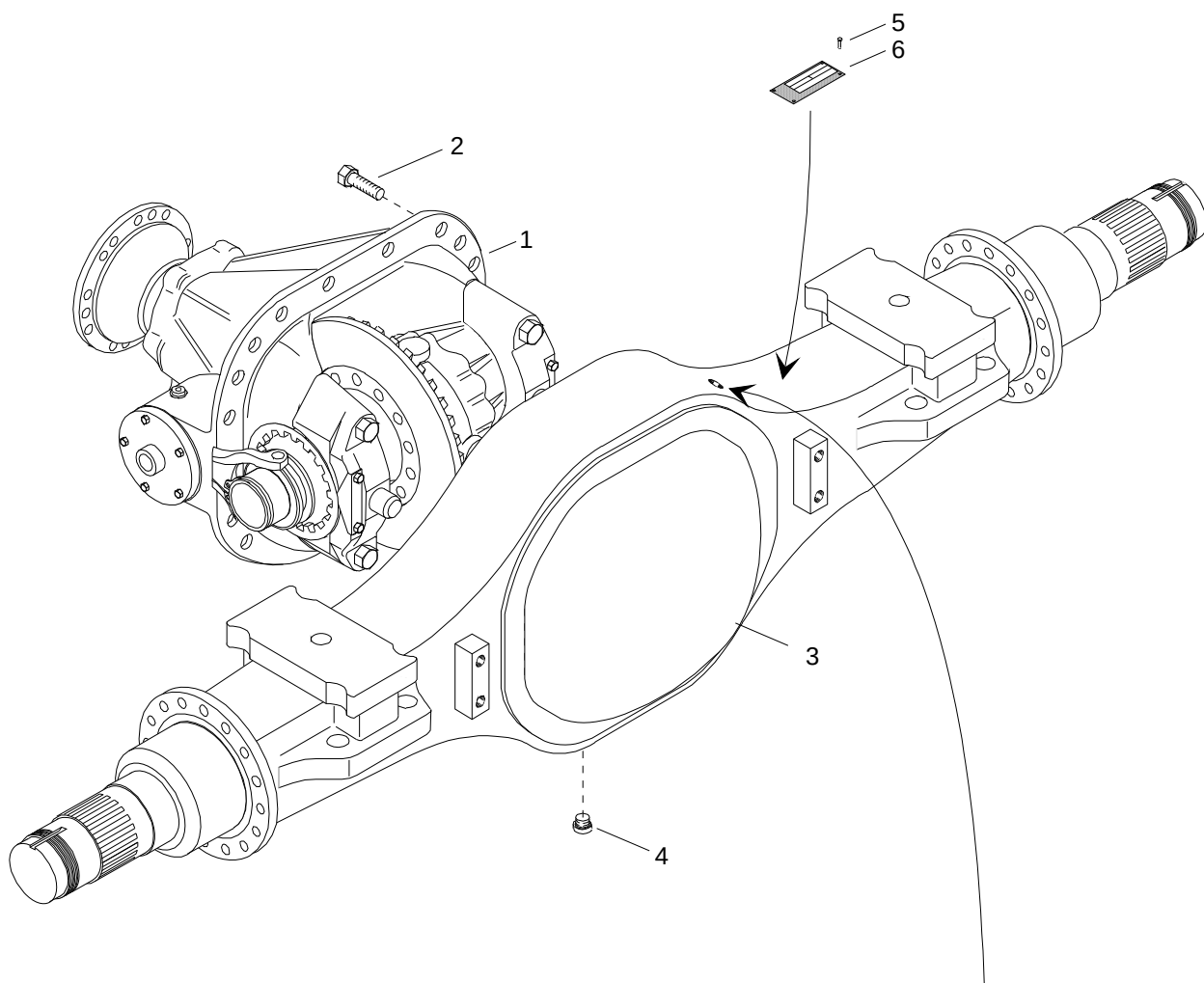
# **SISU AXLES**

## **SPARE PARTS BOOK**

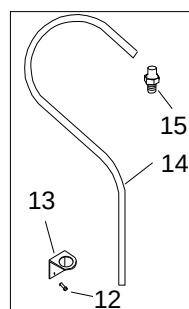
### **Industrial Axle SRDP-32-P**

**Book No. 400 (11/2010)**

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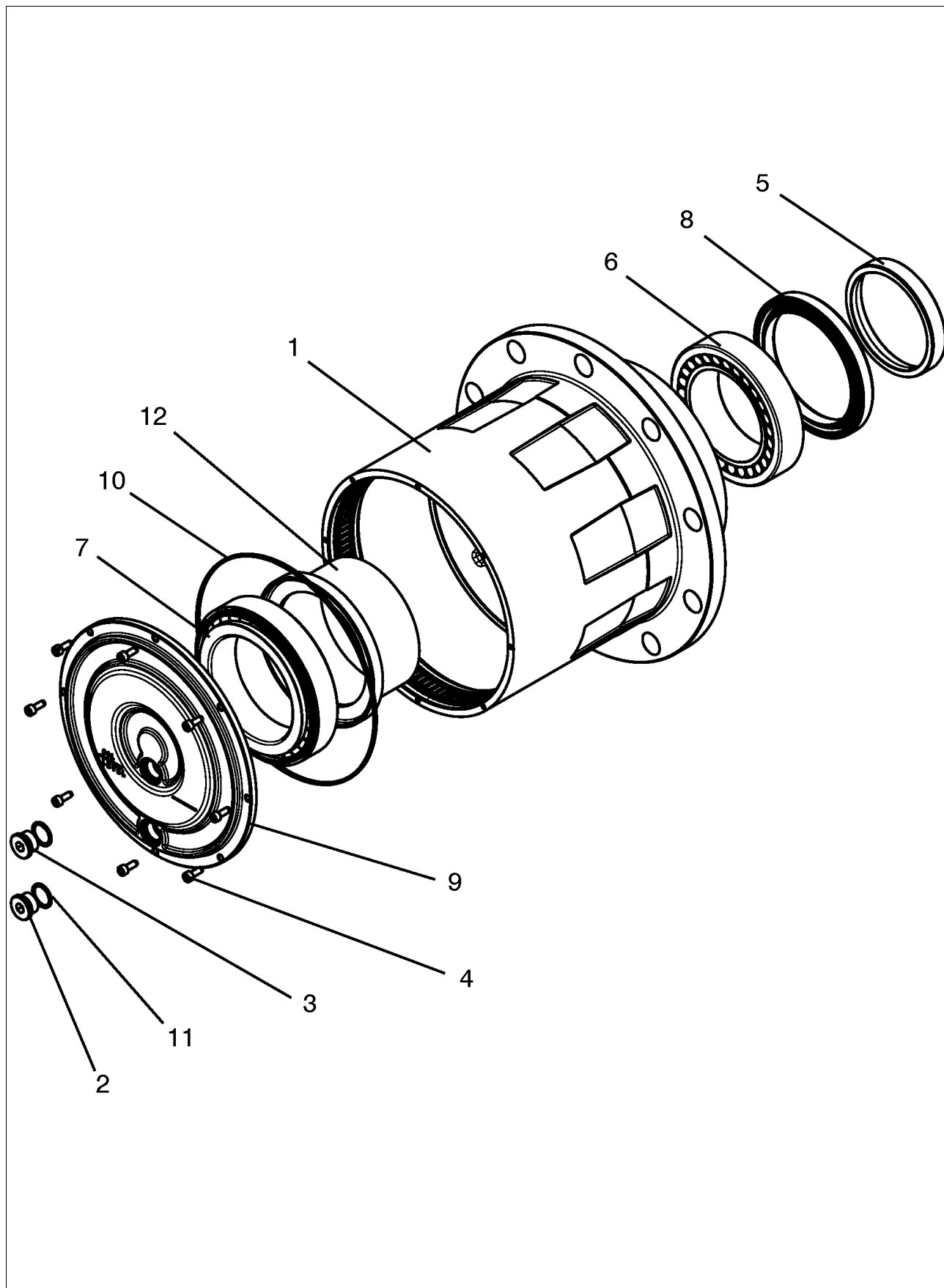
Huohotin 1  
Breather 1



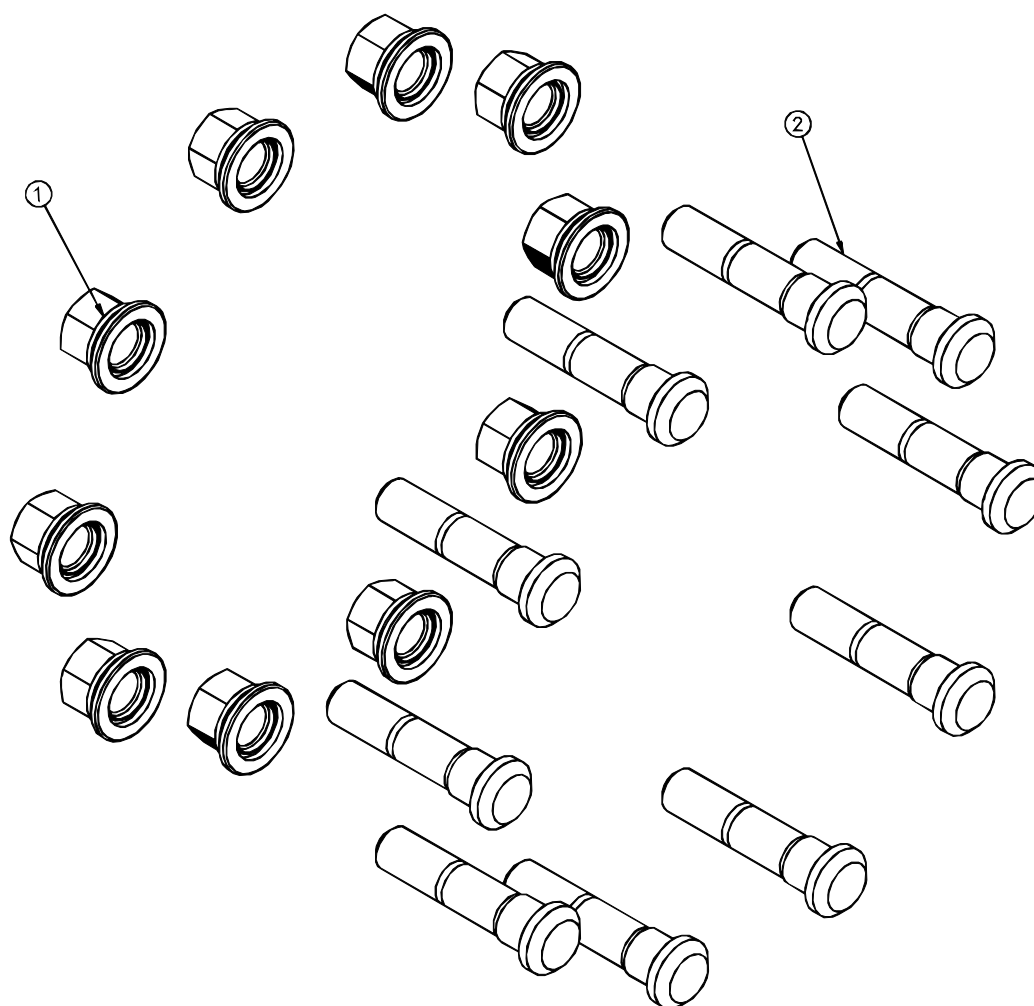
Huohotin 2  
Breather 2

BTHBANJO.DS4

| Item | Qty. | Order no.           | Description            | Note                                 |
|------|------|---------------------|------------------------|--------------------------------------|
| 1    | 1    | <b>543-203-9127</b> | Diff. Carrier Assembly | FR=16.41, ISO 8667-T150, W/diff lock |
| 1    | 1    | <b>543-203-9134</b> | Diff. Carrier Assembly | FR=20.57, DIN180/HS1600, W/diff lock |
| 1    | 1    | <b>543-203-9137</b> | Diff. Carrier Assembly | FR=20.57, ISO 8667-T150, W/diff lock |
| 2    | 16   | <b>90303-16407</b>  | Hex Screw              | M16x40, 10.9                         |
| 3    | 1    | <b>101-0110-340</b> | Axle Housing           |                                      |
| 3    | 1    | <b>101-0110-379</b> | Axle Housing           |                                      |
| 4    | 1    | <b>90873-22109</b>  | Diff. Carrier Assembly | M22x1.5                              |
| 4    | 1    | <b>91201-22150</b>  | Seal ring              | For M22 Plug                         |
| 5    | 4    | <b>90111-29054</b>  | Rivet                  | D2.9x5                               |
| 6    | 1    | <b>591600-20823</b> | Name plate             |                                      |
| 9    | 1    | <b>179-842-0000</b> | Breather Cover         |                                      |
| 10   | 1    | <b>179-841-1000</b> | Breather pipe          |                                      |
| 11   | 1    | <b>90621-32253</b>  | Split pin              | 3.2x25                               |
| 12   | 2    | <b>590111-29064</b> | Rivet                  | 2.89x6.35                            |
| 13   | 1    | <b>143-227-0800</b> | Mounting Plate         |                                      |
| 14   |      | <b>95242-06010</b>  | Plastic Pipe           | Ø9.5/15.5 L=350                      |
| 15   | 1    | <b>592422-01603</b> | Hose clamp             |                                      |
| 15   | 1    | <b>91978-30901</b>  | Binding screw          | R3/8"/D10                            |

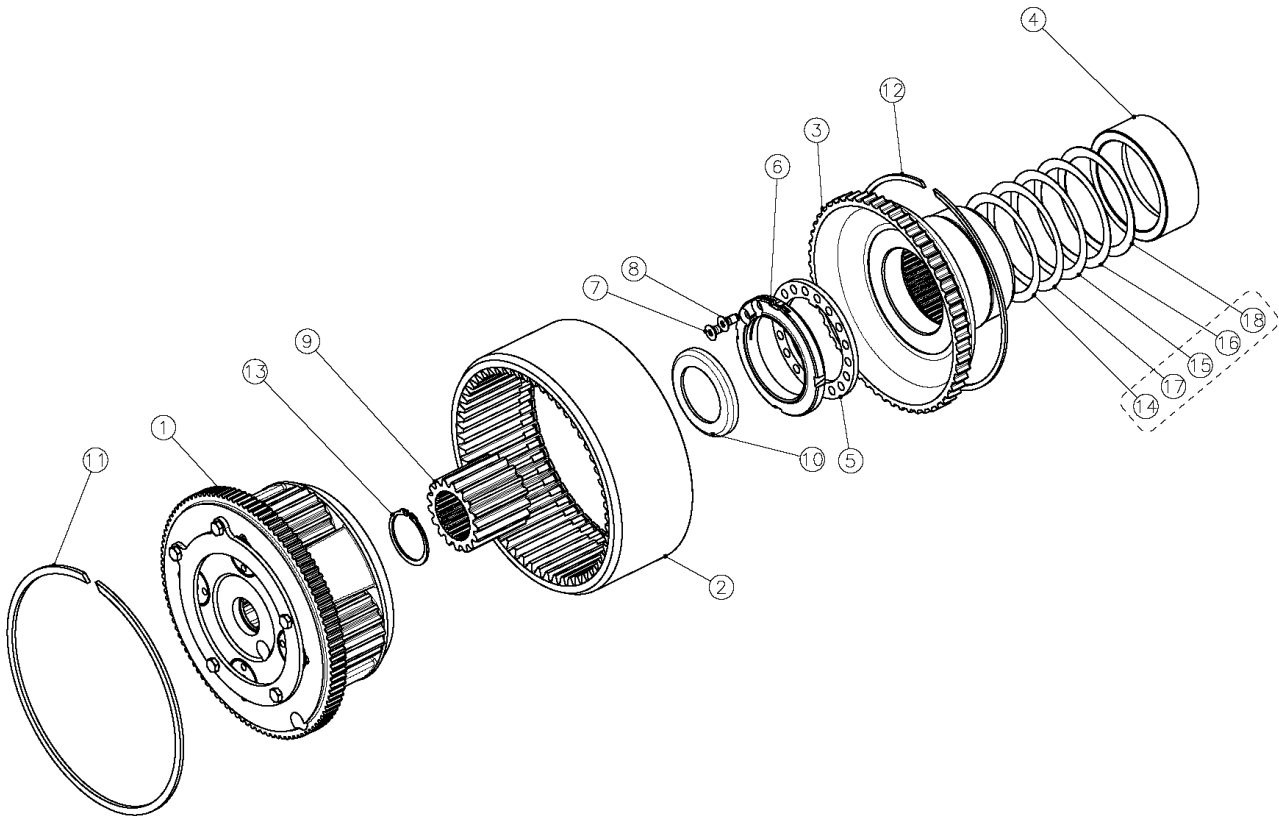


| Item | Qty. | Order no.           | Description            | Note                                   |
|------|------|---------------------|------------------------|----------------------------------------|
| 1    | 2    | <b>404-0110-305</b> | Wheel hub              |                                        |
| 2    | 2    | <b>90873-22109</b>  | Diff. Carrier Assembly | M22x1.5 - DIN908, Allen head, magnetic |
| 3    | 2    | <b>90873-22103</b>  | Plug                   | M22x1.5 - DIN908, Allen head           |
| 4    | 16   | <b>90313-06168</b>  | Allen Screw            | M6x16                                  |
| 5    | 2    | <b>543-415-0600</b> | Spacer ring            | D111/127x19                            |
| 6    | 2    | <b>91744-01051</b>  | T. Roller bearing      |                                        |
| 7    | 2    | <b>91744-01201</b>  | T. Roller bearing      |                                        |
| 8    | 2    | <b>591122-12702</b> | Shaft seal             | D127/160                               |
| 9    | 2    | <b>541-422-1200</b> | Planetary gear cover   |                                        |
| 10   | 2    | <b>91109-50030</b>  | O-ring                 | D249.5x3                               |
| 11   | 4    | <b>91201-22150</b>  | Seal ring              | D22/27x1.5 Cu                          |
| 12   | 2    | <b>606-0710-310</b> | Bush                   |                                        |

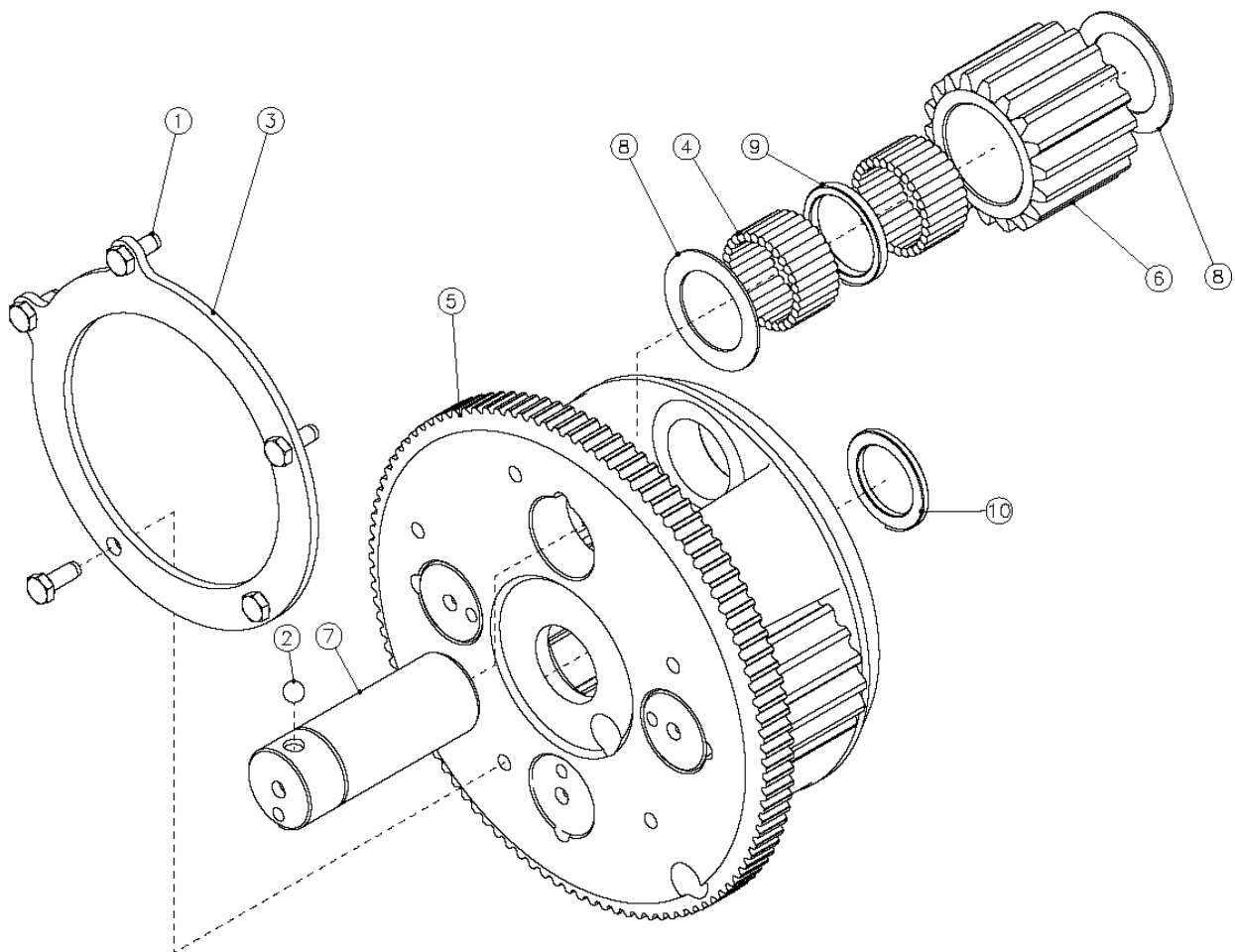


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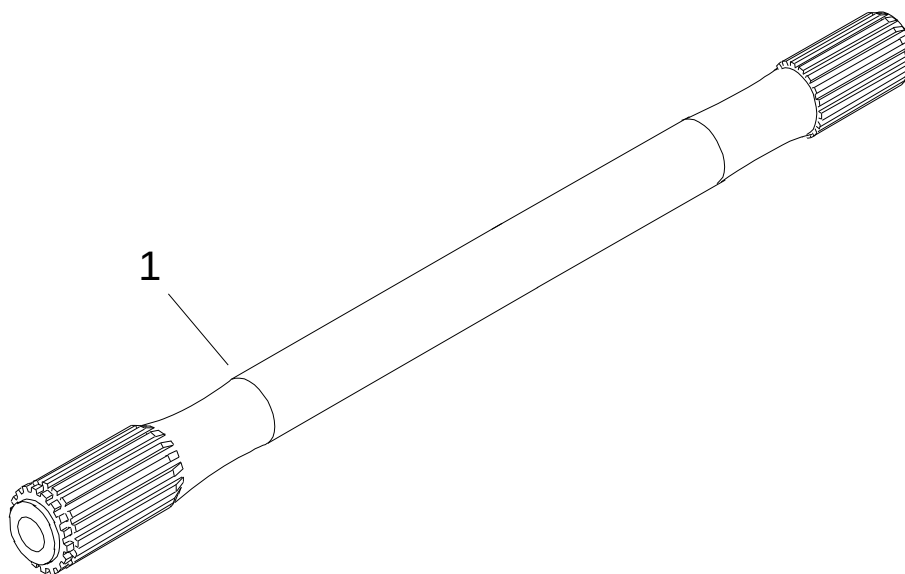
| Item | Qty. | Order no.           | Description | Note          |
|------|------|---------------------|-------------|---------------|
| 1    | 20   | <b>540-916-1610</b> | Wheel nut   | M22x1.5       |
| 2    | 20   | <b>140-911-2700</b> | Wheel bolt  | L=113 mm      |
| 3    | 20   | <b>140-911-2510</b> | Wheel bolt  | L=93 mm       |
| 3    | 20   | <b>140-911-2610</b> | Wheel bolt  | L=83 mm, 12.9 |



| Item | Qty. | Order no.           | Description    | Note                  |
|------|------|---------------------|----------------|-----------------------|
| 1    | 2    | <b>141-404-0081</b> | Planetary gear | i=4.235               |
| 2    | 2    | <b>135-261-1900</b> | Ring gear      |                       |
| 3    | 2    | <b>535-271-0401</b> | Ring gear hub  |                       |
| 4    | 2    | <b>543-416-0500</b> | Spacer ring    | D95/117x42            |
| 5    | 2    | <b>143-418-0510</b> | Lock plate     | S=6 mm, punched       |
| 6    | 2    | <b>599-290-8004</b> | Lock Nut       | M90x2, s=16 mm        |
| 7    | 2    | <b>590319-08126</b> | Allen Screw    | M8x12M8x12, Cone head |
| 8    | 2    | <b>590319-08186</b> | Allen Screw    | M8x18, Cone head      |
| 9    | 2    | <b>135-211-1100</b> | Sun gear       | Z17, spline D52/Z24   |
| 10   | 2    | <b>090-721-8500</b> | Protective cup | D60/85x10             |
| 11   | 2    | <b>91720-26001</b>  | Retainer ring  | D265x4.2              |
| 12   | 2    | <b>91720-22501</b>  | Retainer ring  | D225x3                |
| 13   | 2    | <b>91711-05200</b>  | Retainer ring  | D52x2                 |
| 14   | ar   | <b>590731-09520</b> | Shim           | s= 0.2 mm             |
| 15   | ar   | <b>590731-09530</b> | Shim           | s= 0.3 mm             |
| 16   | ar   | <b>590731-09550</b> | Shim           | s= 0.5 mm             |
| 17   | ar   | <b>590732-09510</b> | Shim           | s= 1.0 mm             |

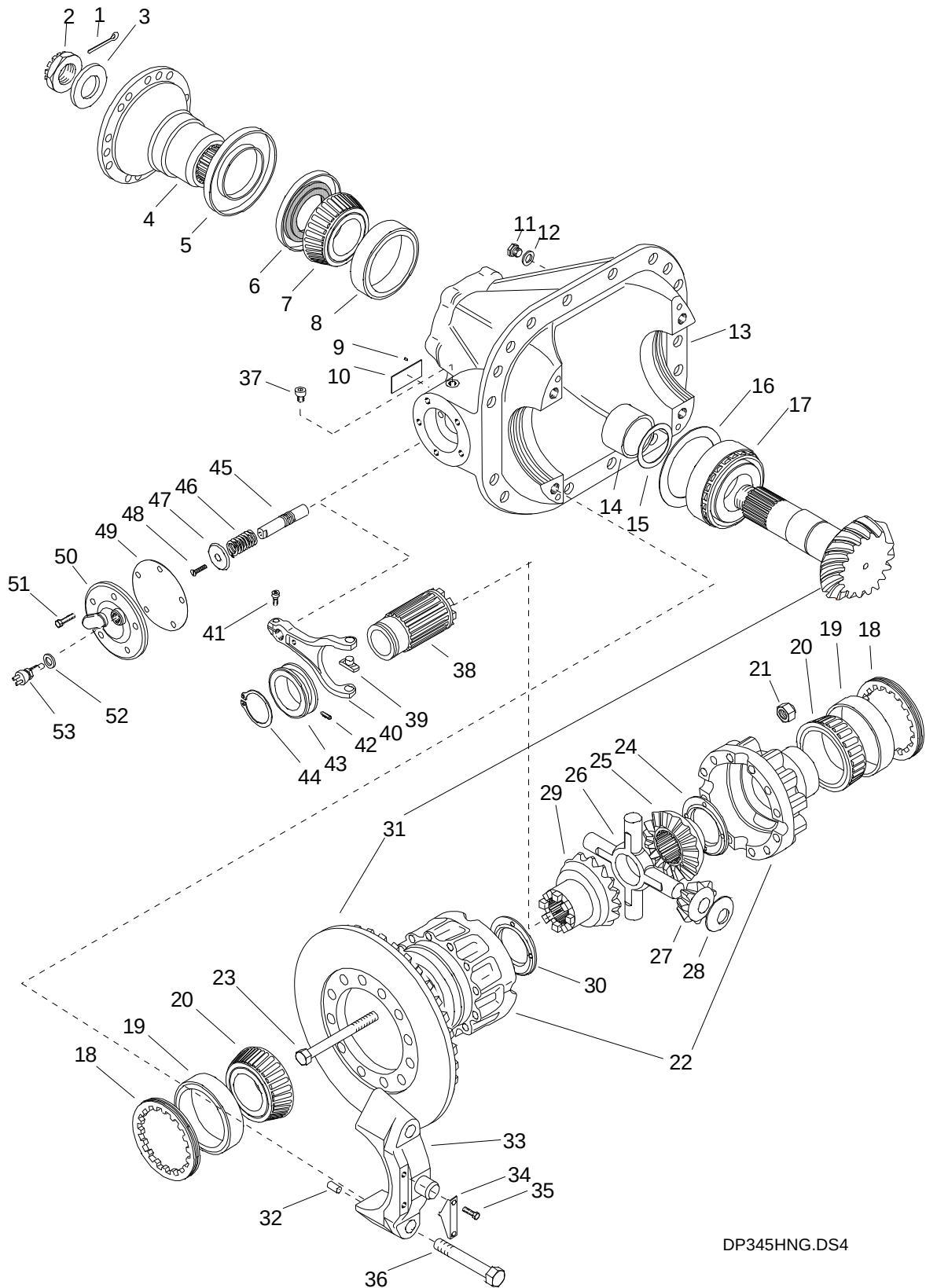


| Item | Qty. | Order no.    | Description       | Note        |
|------|------|--------------|-------------------|-------------|
| 1    | 5    | 90303-08203  | Hex Screw         | M8x20       |
| 2    | 4    | 91375-10000  | Lock Ball         | D10         |
| 3    | 1    | 135-259-0210 | Lock plate        |             |
| 4    | 240  | 090-005-0530 | Needle roller     | D4.762x28.5 |
| 5    | 1    | 141-441-0900 | Planet carrier    |             |
| 6    | 4    | 135-241-1100 | Planet gear       |             |
| 7    | 4    | 135-251-1100 | Planet gear shaft |             |
| 8    | 8    | 090-354-1050 | Spacer plate      |             |
| 9    | 4    | 090-354-1040 | Spacer ring       |             |
| 10   | 1    | 141-582-0000 | Thrust Washer     |             |



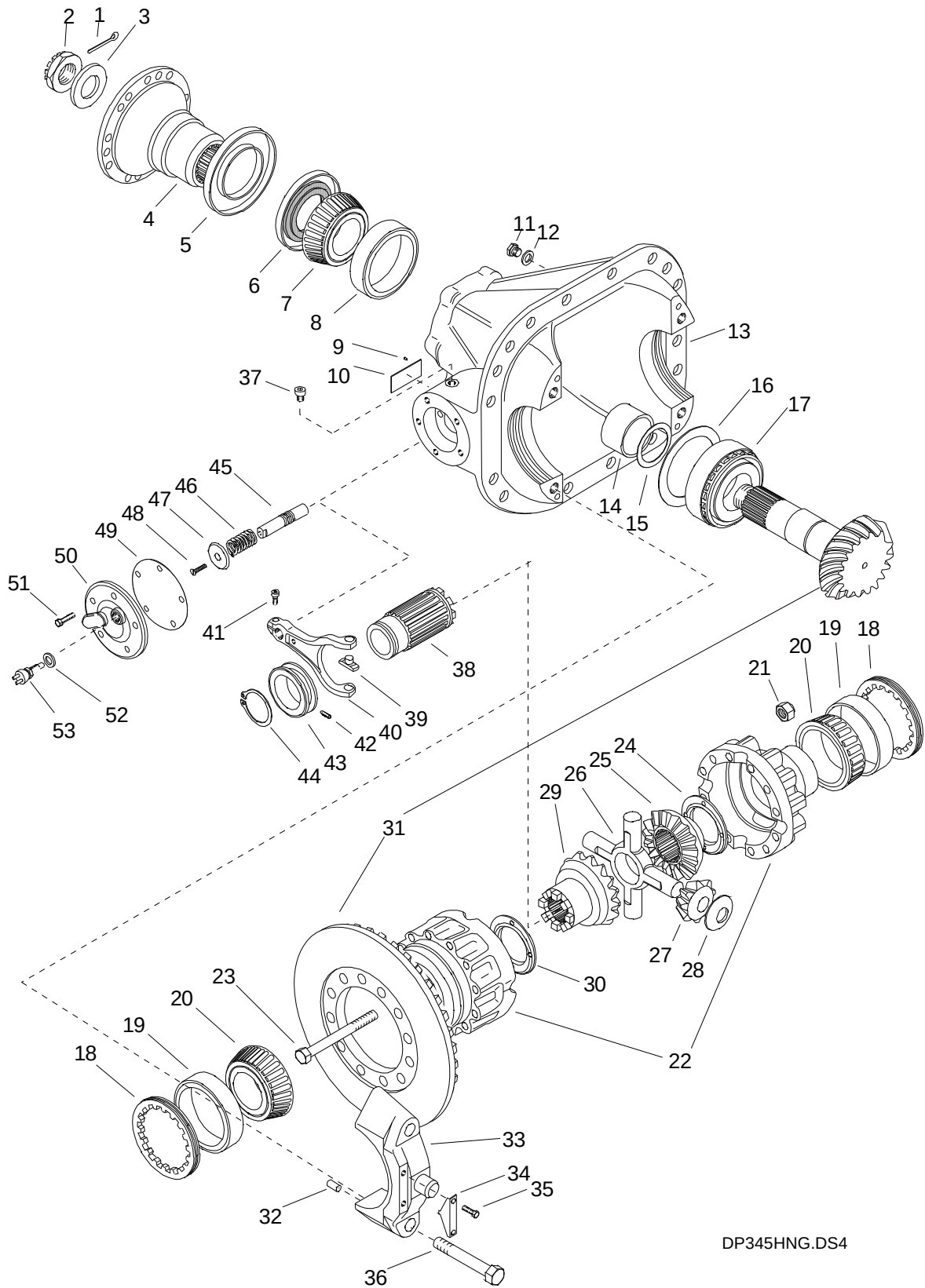
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| Item | Qty. | Order no.           | Description | Note                      |
|------|------|---------------------|-------------|---------------------------|
| 1    | 1    | <b>543-512-0400</b> | Axle Shaft  | RH, L=1090, D55Z26/D52Z24 |
| 1    | 1    | <b>543-512-0410</b> | Axle Shaft  | LH, L=1140, D55Z26/D52Z24 |



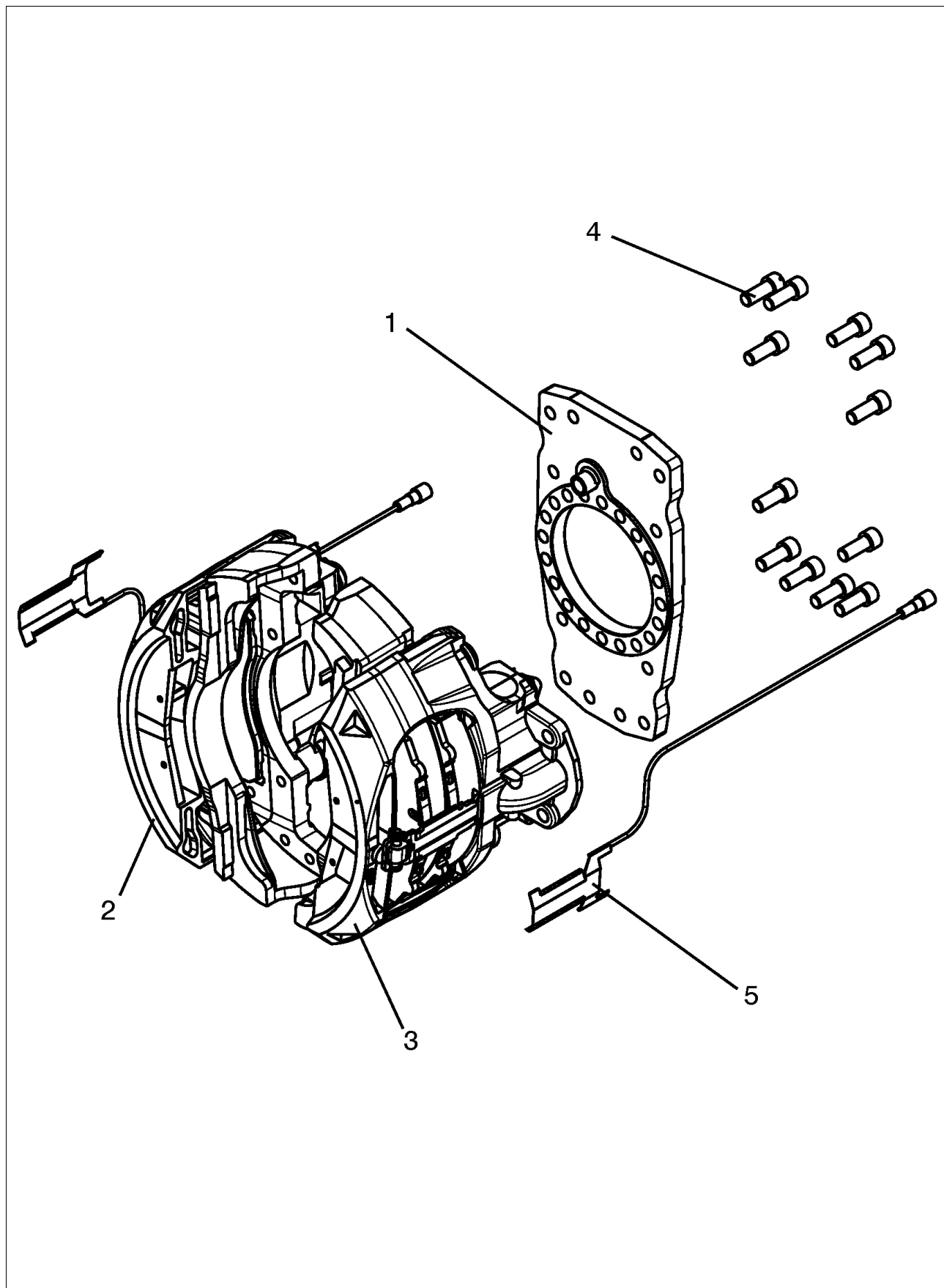
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| Item | Qty. | Order no.    | Description              | Note                                              |
|------|------|--------------|--------------------------|---------------------------------------------------|
| 1    | 1    | 90621-63633  | Split pin                | 6.3x63                                            |
| 2    | 1    | 90546-42653  | Nut                      | M42x1.5                                           |
| 3    | 1    | 90705-43069  | washer                   | D43/80x6                                          |
| 4    | 1    | 138-918-0400 | Flange                   | HS1700-1800                                       |
| 4    | 1    | 138-918-0401 | Flange                   | ISO 8667 - T180                                   |
| 4    | 1    | 138-947-0101 | Flange                   | DIN180/HS1600                                     |
| 4    | 1    | 538-916-3401 | Flange                   | ISO 8667 - T150                                   |
| 4    | 1    | 538-967-0100 | End Yoke                 | Yoke 1710                                         |
| 5    | 1    | 090-711-9000 | Shield                   |                                                   |
| 6    | 1    | 591122-08508 | Shaft seal               | D85/140x13/20 Cassette seal                       |
| 7    | 1    | 090-110-6740 | Bearing inner race       |                                                   |
| 8    | 1    | 090-121-3700 | Bearing outer race       |                                                   |
| 9    | 4    | 90111-29054  | Rivet                    | D2.9x5                                            |
| 10   | 1    | 591600-20823 | Name plate               |                                                   |
| 11   | 1    | 90871-22193  | Plug screw               | M22x1.5, hex head                                 |
| 12   | 1    | 91201-22150  | Seal ring                | D22/27x1.5 Cu                                     |
| 13   | 1    | 143-210-1411 | Differential Carrier     | Without differential lock (inc. pos. 32, 33 & 36) |
| 13   | 1    | 143-210-1421 | Differential Carrier     | With differential lock (inc. pos. 32, 33 & 36)    |
| 14   | ar   | 099-557-1026 | Spacer ring              | (l=53.70)                                         |
| 14   | ar   | 099-557-1027 | Spacer ring              | (l=53.72)                                         |
| 14   | ar   | 099-557-1028 | Spacer ring              | (l=53.74)                                         |
| 14   | ar   | 099-557-1029 | Spacer ring              | (l=53.76)                                         |
| 14   | ar   | 099-557-1030 | Spacer ring              | (l=53.78)                                         |
| 15   | ar   | 099-517-1000 | Shim                     | (s=0.30)                                          |
| 15   | ar   | 099-517-1001 | Shim                     | (s=0.40)                                          |
| 15   | ar   | 099-517-1002 | Shim                     | (s=0.50)                                          |
| 16   | ar   | 90731-12010  | Shim                     | (s=0.1)                                           |
| 16   | ar   | 90731-12020  | Shim                     | (s=0.2)                                           |
| 16   | ar   | 90731-12050  | Shim                     | (s=0.5)                                           |
| 16   | ar   | 90732-12010  | Shim                     | (s=1.0)                                           |
| 17   | 1    | 090-050-7001 | T. Roller bearing        |                                                   |
| 18   | 2    | 143-226-0012 | Adjusting nut            | D149                                              |
| 19   | 2    | 090-121-4700 | Bearing outer race       |                                                   |
| 20   | 2    | 090-110-9000 | Bearing inner race       |                                                   |
| 21   | 12   | 90556-16247  | Nut                      | M16x1.5                                           |
| 22   | 1    | 143-310-3811 | Diff. case assy          | FR=>14.59, w/diff lock                            |
| 22   | 1    | 543-310-4811 | Diff. case assy          | FR<14.59, w/diff lock                             |
| 22   | 1    | 543-310-4821 | Diff. case assy          | FR=>14.59, w/o diff lock                          |
| 22   | 1    | 543-310-4831 | Diff. case assy          | FR<14.59, w/o diff lock                           |
| 23   | 12   | 599-116-3250 | Hex Screw                | M16x1.5, L= 207, 12.9, FR < 14.59                 |
| 23   | 12   | 90321-16538  | Hex Screw                | M16x1.5, L=160, 12.9, FR => 14.59                 |
| 24   | 1    | 090-357-5000 | Thrust washer            | D75/111x3                                         |
| 25   | 1    | 543-351-4210 | Side gear                | D55/Z26                                           |
| 26   | 1    | 143-331-0603 | Spider                   |                                                   |
| 27   | 4    | 143-341-0700 | Pinion gear              |                                                   |
| 28   | 4    | 143-345-0400 | Thrust washer            | D29/65x1.5                                        |
| 29   | 1    | 543-351-4310 | Side gear                | D55/Z26, W/diff lock                              |
| 29   | 1    | 543-351-4610 | Side gear                | D55/Z26, W/o diff lock                            |
| 30   | 1    | 090-359-7000 | Thrust washer            | D97/127x3                                         |
| 31   | 1    | 543-240-5911 | Ring and pinion gear set | 12/30, FR 10.59, LH                               |
| 31   | 1    | 543-240-5921 | Ring and pinion gear set | 8/31, FR 16.41, LH                                |
| 31   | 1    | 543-240-5931 | Ring and pinion gear set | 7/34, FR 20.57, LH                                |
| 31   | 1    | 543-240-5949 | Ring and pinion gear set | 9/30, FR 14.12, LH                                |
| 31   | 1    | 543-240-5971 | Ring and pinion gear set | 10/29, FR 12.28, LH                               |
| 32   | 4    | 590604-08141 | Pin                      | Ø8x14                                             |
| 33   |      | 143-214-2180 | Bearing Case Half        | Not Servised Separately                           |
| 34   | 2    | 143-227-0610 | Lock plate               |                                                   |
| 35   | 4    | 90303-08103  | Hex Screw                | M8x10                                             |
| 36   | 4    | 90301-20377  | Hex Screw                | M20x130                                           |

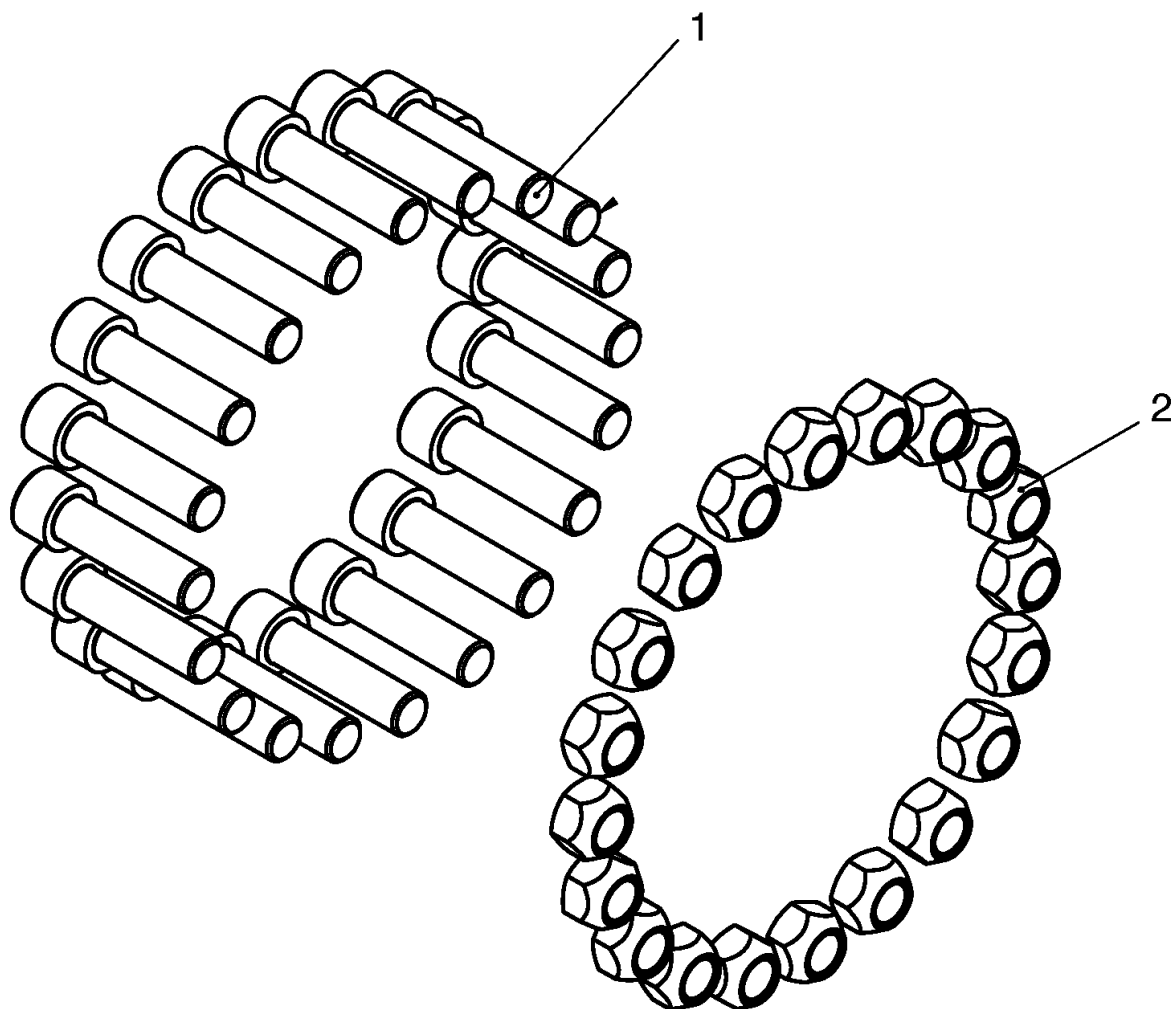


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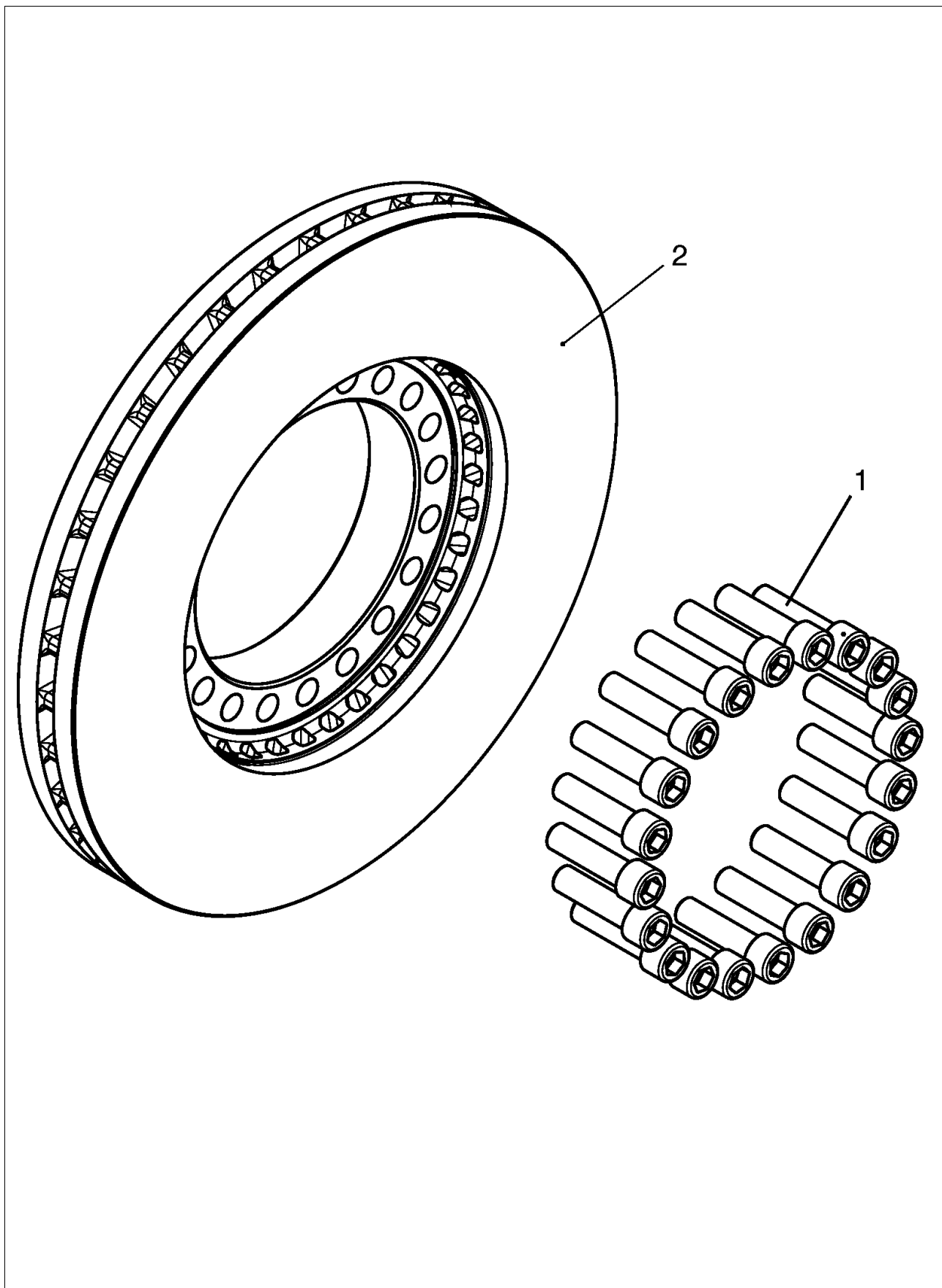
| Item | Qty. | Order no.           | Description        | Note                                |
|------|------|---------------------|--------------------|-------------------------------------|
| 37   | 1    | <b>90871-10143</b>  | Plug screw         | M10x1, hex head 14 mm               |
| 38   | 1    | <b>144-341-1700</b> | Sliding Gear       |                                     |
| 39   | 2    | <b>133-348-0710</b> | Sliding shoe       |                                     |
| 40   | 1    | <b>144-751-1210</b> | Control fork       |                                     |
| 41   | 1    | <b>90313-06208</b>  | Allen Screw        | M6x20                               |
| 42   | 1    | <b>90335-05108</b>  | Stopping screw     | M5x10                               |
| 43   | 1    | <b>144-348-0000</b> | Sliding ring       |                                     |
| 44   | 1    | <b>91711-06500</b>  | Retainer ring      | D65                                 |
| 45   | 1    | <b>172-212-1710</b> | Sliding Shaft      | D16/20x125                          |
| 46   | 1    | <b>097-122-0100</b> | Return spring      | D29.5x43                            |
| 47   | 1    | <b>172-361-0410</b> | Push plate         | D70x12                              |
| 48   | 1    | <b>90319-08206</b>  | Screw              | M8x20                               |
| 49   | 1    | <b>172-351-1202</b> | Membrane           |                                     |
| 50   | 1    | <b>572-161-1501</b> | Membrane cover     | W/o Signal lamp switch thread       |
| 50   | 1    | <b>572-161-1502</b> | Membrane cover     | W/signal lamp switch thread M18x1.5 |
| 51   | 5    | <b>90303-08203</b>  | Hex Screw          | M8x20                               |
| 51   | 5    | <b>90705-08423</b>  | washer             | D8.4/17x1.6                         |
| 52   | 1    | <b>91201-18150</b>  | Seal ring          | D18/22x1.5 Cu                       |
| 53   | 1    | <b>586-490-0381</b> | Signal Lamp Switch | M18x1.5 (optional)                  |
| 53   | 1    | <b>90871-18173</b>  | Plug screw         | M18x1.5 (w/o switch)                |



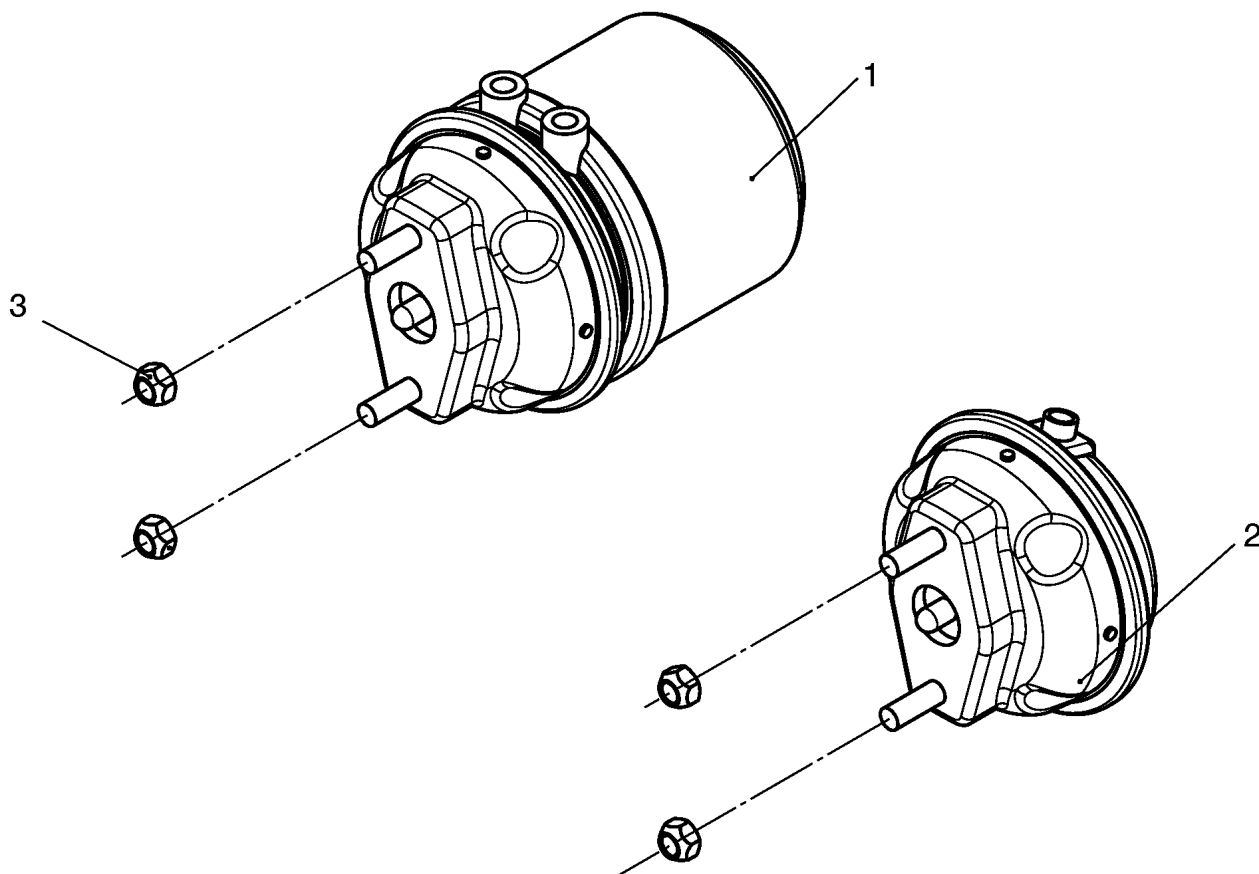
| Item | Qty. | Order no.           | Description   | Note                                        |
|------|------|---------------------|---------------|---------------------------------------------|
| 1    | 2    | <b>201-0110-303</b> | Brake Bracket |                                             |
| 2    | 2    | <b>209-0200-301</b> | Brake Caliper | Knorr SN7268                                |
| 3    | 2    | <b>209-0200-302</b> | Brake Caliper | Knorr SN7278                                |
| 4    | 24   | <b>590316-16408</b> | Allen Screw   | DIN 912, M16x1.5x40 - 12.9                  |
| 5    | 4    | <b>202-0600-301</b> | Sensor        | Knorr K000937                               |
| 6    | AR   | <b>202-0395-302</b> | Brake pad set | For 2 brake caliper (not shown in picture)) |



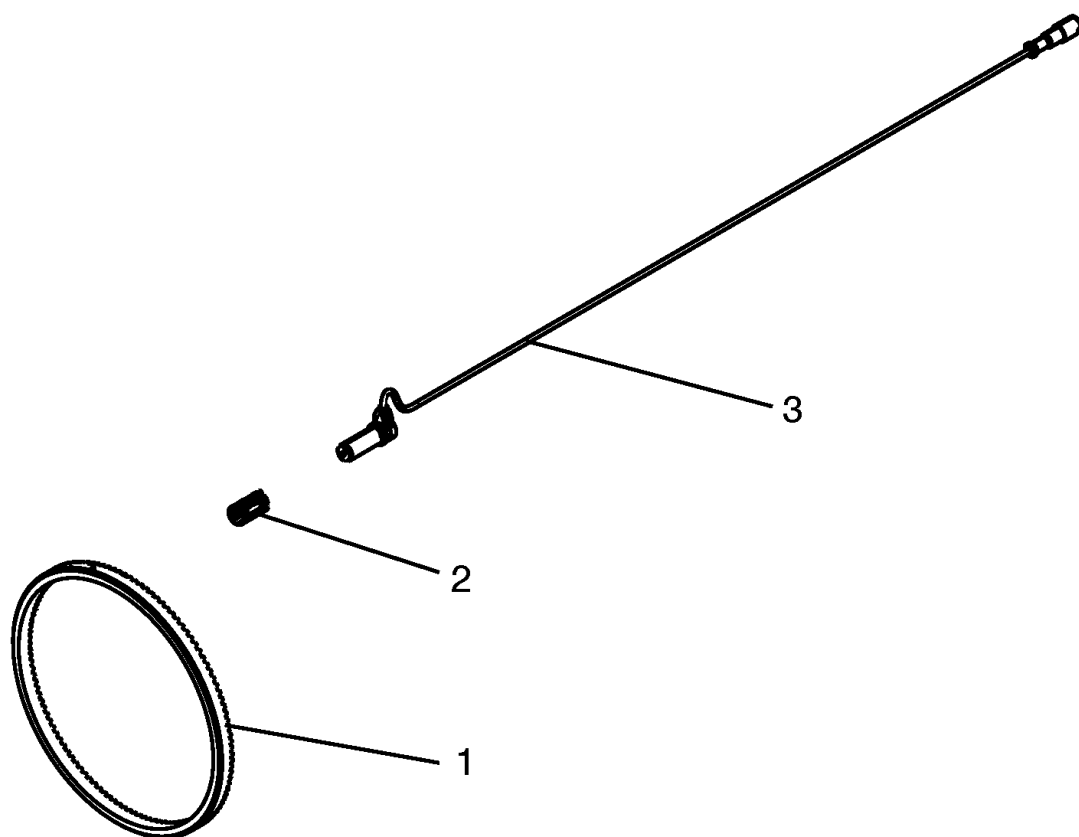
| Item | Qty. | Order no.           | Description | Note                       |
|------|------|---------------------|-------------|----------------------------|
| 1    | 40   | <b>590316-16608</b> | Allen Screw | DIN 912, M16x1.5x60 - 12.9 |
| 2    | 40   | <b>90556-16247</b>  | Nut         | M16x1.5                    |



| Item | Qty. | Order no.           | Description | Note                       |
|------|------|---------------------|-------------|----------------------------|
| 1    | 40   | <b>590316-16608</b> | Allen Screw | DIN 912, M16x1.5x60 - 12.9 |
| 2    | 2    | <b>203-0210-303</b> | Brake Disc  |                            |



| Item | Qty. | Order no.           | Description          | Note    |
|------|------|---------------------|----------------------|---------|
| 1    | 2    | <b>207-0200-303</b> | Spring Brake Chamber | 24/30"  |
| 2    | 2    | <b>207-0100-302</b> | Brake chamber        | 24"     |
| 3    | 8    | <b>90556-16247</b>  | Nut                  | M16x1.5 |



| Item | Qty. | Order no.           | Description | Note                  |
|------|------|---------------------|-------------|-----------------------|
| 1    | 2    | <b>208-0310-302</b> | Ring gear   | D257/239x15, Z120     |
| 2    | 2    | <b>189-295-0000</b> | Bush        | Wabco 899 760 510     |
| 3    | 2    | <b>589-250-0081</b> | Sensor      | Knorr, protected wire |