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UTILEV

2.0t-2.5t INTERNAL COMBUSTION COUNTERBALANCED FORKLIFT TRUCK

PARTS MANUAL

UT20/25P

NACCO Materials Handling Group

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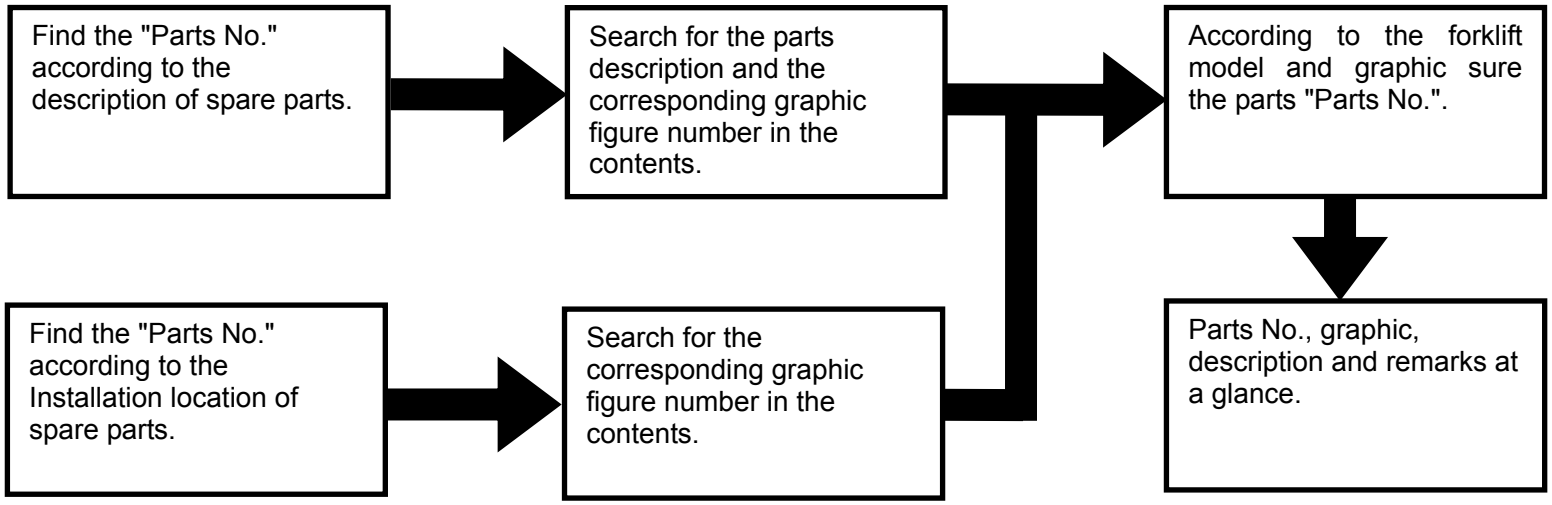
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Information

Ⅰ. This "PARTS CATALOGUE" collects the parts of 2.0t-2.5t internal combustion counterbalanced forklift truck except the mast parts catalog.

Ⅱ. The mast parts please see " MAST PARTS CATALOGUE".

□. Search methods:



□. Order parts, it should be stated forklift model, series no., parts no. and quantity of spare parts.

□. To ensure quality, please use the original parts.

□. Abbreviations and codes：

Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ……Model numbers

A1,A2,A3 ……Item,Assy

Inc. ……Including

LH ……Left hand

RH ……Right hand

N ……No Provide

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Contents

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

Item	Description	Serial No.	Page
Part Ⅰ	Driving system contents		1-A
Fig.1	Driving system	Ⓐ Ⓑ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-1
Fig.2	Driving system	Ⓒ	1-3
Fig.3	Cooling oil pipe assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-4
Fig.4	Drive axle assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-5
Fig.5	Brake assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-8
Fig.6	Front wheel（Single）	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-12
Fig.7	Front wheel（Double）	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-13
Fig.8	Gear-box	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-14
Fig.9	Cover control valve, Inching valve	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-18
Fig.10	Hydraulic clutch	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-20
Fig.11	Control valve	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-22

https://truckmanualshub.com/

Item	Description	Serial No.	Page
Fig.12	Inching valve	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-23
Fig.13	Charging pump	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-24
Fig.14	Reduction & Differential	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-25
Part Ⅱ Steering system contents			2-A
Fig.1	Steering axle Ⅰ	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	2-1
Fig.2	Steering axle Ⅱ	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	2-4
Fig.3	Steering wheel assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	2-5
Fig.4	Steering cylinder	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	2-6
Fig.5	Steering device	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	2-8
Fig.6	Steering pipe device	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	2-10
Part Ⅲ Power system contents			3-A
Fig.1	Power system	Ⓐ	3-1
Fig.2	Power system	Ⓑ	3-2
Fig.3	Power system	Ⓒ	3-3
Fig.4	Power system	Ⓓ Ⓖ	3-5
Fig.5	Power system	Ⓔ Ⓕ Ⓗ Ⓘ	3-6

https://truckmanualshub.com/

Item	Description	Serial No.	Page
Fig.6	Air intake system	Ⓐ	3-7
Fig.7	Air intake system	Ⓑ	3-8
Fig.8	Air intake system	Ⓒ	3-9
Fig.9	Air intake system	Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	3-10
Fig.10	High air intake system	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	3-11
Fig.11	Exhaust system	Ⓐ	3-12
Fig.12	Exhaust system	Ⓑ	3-13
Fig.13	Exhaust system	Ⓒ	3-14
Fig.14	Exhaust system	Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	3-16
Fig.15	High exhaust system	Ⓐ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	3-17
Fig.16	Cooling system	Ⓐ	3-18
Fig.17	Cooling system	Ⓑ	3-19
Fig.18	Cooling system	Ⓒ	3-21
Fig.19	Cooling system	Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	3-23
Fig.20	Fuel system	Ⓐ	3-25
Fig.21	Fuel system	Ⓑ	3-27

https://truckmanualshub.com/

Item	Description	Serial No.	Page
Fig.22	Fuel system	Ⓒ Ⓔ Ⓗ	3-29
Fig.23	Fuel system	Ⓓ Ⓕ Ⓖ Ⓘ	3-30
Fig.24	Engine mount	Ⓐ	3-31
Fig.25	Engine mount	Ⓑ	3-32
Fig.26	Engine mount	Ⓒ	3-33
Fig.27	Engine mount	Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	3-34
Fig.28	LPG pipeline system	Ⓒ	3-35
Fig.29	Device for gear pump	Ⓒ	3-36
Fig.30	Device for fan belt	Ⓒ	3-37
Part Ⅳ Body system contents			4-A
Fig.1	Counter balance assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	4-1
Fig.2	Nameplate	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	4-3
Fig.3	Seat assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	4-7
Fig.4	Body system	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	4-8
Fig.5	Instrument frame assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	4-10
Fig.6	Hood and floor board assy Ⅰ	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	4-11

https://truckmanualshub.com/

Item	Description	Serial No.	Page
Fig.7	Hood and floor board assy Ⅱ	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	4-16
Fig.8	Lock catch assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	4-17
Fig.9	Overhead guard	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	4-19
Part Ⅴ Control system contents			5-A
Fig.1	Brake and inching pedal assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	5-1
Fig.2	Brake pedal assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	5-5
Fig.3	Throttle control assy	Ⓐ	5-6
Fig.4	Throttle control assy	Ⓑ	5-8
Fig.5	Throttle control assy	Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	5-10
Fig.6	Hand brake control	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	5-12
Part Ⅵ Hydraulic system contents			6-A
Fig.1	Oil pump assy	Ⓐ Ⓑ	6-1
Fig.2	Oil pump assy	Ⓒ	6-3
Fig.3	Oil pump assy	Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	6-4
Fig.4	Hydraulic tank accessory	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	6-6
Fig.5	Multi-way valve control	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	6-7

https://truckmanualshub.com/

Item	Description	Serial No.	Page
Fig.6	Multi-way valve assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	6-9
Fig.7	Tilting oil pipe	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	6-10
Fig.8	Steering oil pipe	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	6-11
Fig.9	Strainer assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	6-13
Part Ⅶ Electrical system contents			7-A
Fig.1	Electrical system	Ⓐ	7-1
Fig.2	Electrical system	Ⓑ	7-5
Fig.3	Electrical system	Ⓒ	7-9
Fig.4	Electrical system	Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	7-13
Fig.5	Control box	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	7-17
Fig.6	Rear combination lamp	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	7-19
Part Ⅷ Cab system contents			8-A
Fig.1	Overall of cab	1.5t～3.5t	8-1
Fig.2	Frame system	1.5t～3.5t	8-3
Fig.3	Top windows system	1.5t～3.5t	8-9
Fig.4	Front windows system	1.5t～3.5t	8-10

https://truckmanualshub.com/

Item	Description	Serial No.	Page
Fig.5	Left door system	1.5t～3.5t	8-12
Fig.6	Right door system	1.5t～3.5t	8-14
Fig.7	Rear windows system	1.5t～3.5t	8-17

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Part Ⅰ Driving system contents

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

Item	Description	Serial No.	Page
Fig.1	Driving system	Ⓐ Ⓑ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-1
Fig.2	Driving system	Ⓒ	1-3
Fig.3	Cooling oil pipe assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-4
Fig.4	Drive axle assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-5
Fig.5	Brake assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-8
Fig.6	Front wheel（Single）	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-12
Fig.7	Front wheel（Double）	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-13
Fig.8	Gear-box	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-14
Fig.9	Cover control valve, Inching valve	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-18
Fig.10	Hydraulic clutch	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-20

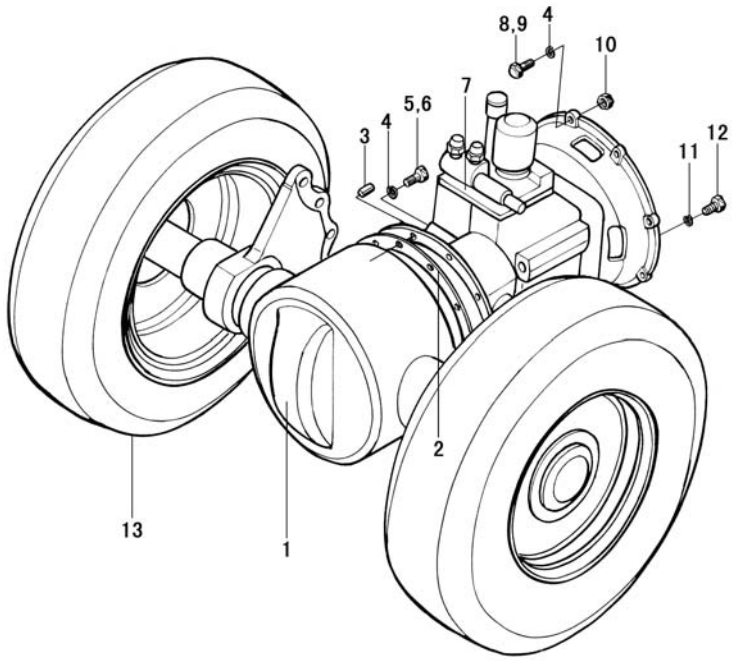
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Item	Description	Serial No.	Page
Fig.11	Control valve	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-22
Fig.12	Inching valve	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-23
Fig.13	Charging pump	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-24
Fig.14	Reduction & Differential	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	1-25

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Fig.1 Driving system

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓓ UT20/25P (K21 LPG)
Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y Ⓖ UT20/25P (K25 LPG)
Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

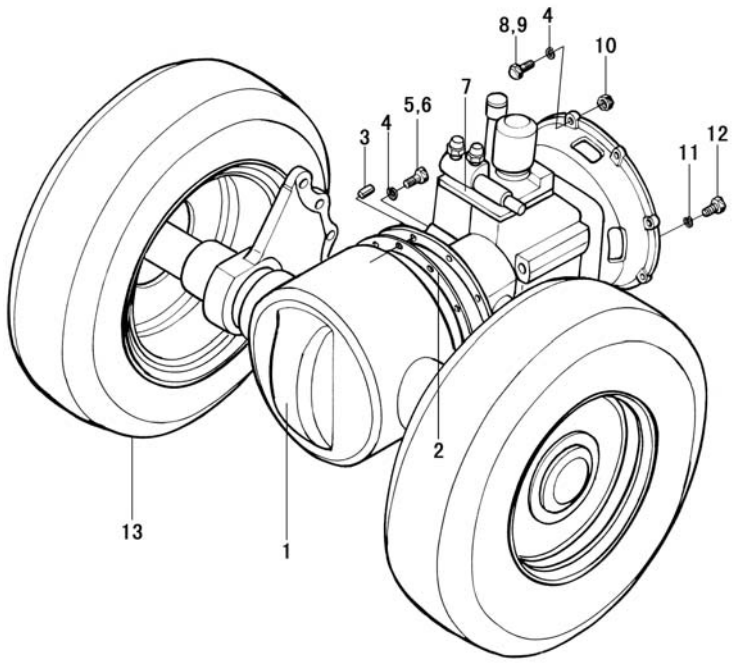


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000327	Drive axle assy	1	See Fig.4
2	66000326	Gasket	1	
3	66000077	Pin B8x30	1	
4	66000066	Washer 10	18	Ⓐ Ⓑ
-	66000066	Washer 10	26	Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ
5	66000126	Bolt M10x35	8	
6	66000125	Bolt M10x30	2	
7	66000841	Hydraulic transmission	1	Ⓐ Ⓑ
-	66000843	Hydraulic transmission	1	Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ
8	66000137	Bolt M10x1.25x35	8	Ⓐ Ⓑ
-	66000108	Bolt M10x45	6	Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ
9	66000131	Bolt M10x1.25x35	2	Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ
10	66000147	Nut M10	6	Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ
11	66000065	Washer 8	12	
12	66000116	Bolt M8x18	12	

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Fig.1 Driving system

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓓ UT20/25P (K21 LPG)
Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y Ⓖ UT20/25P (K25 LPG)
Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

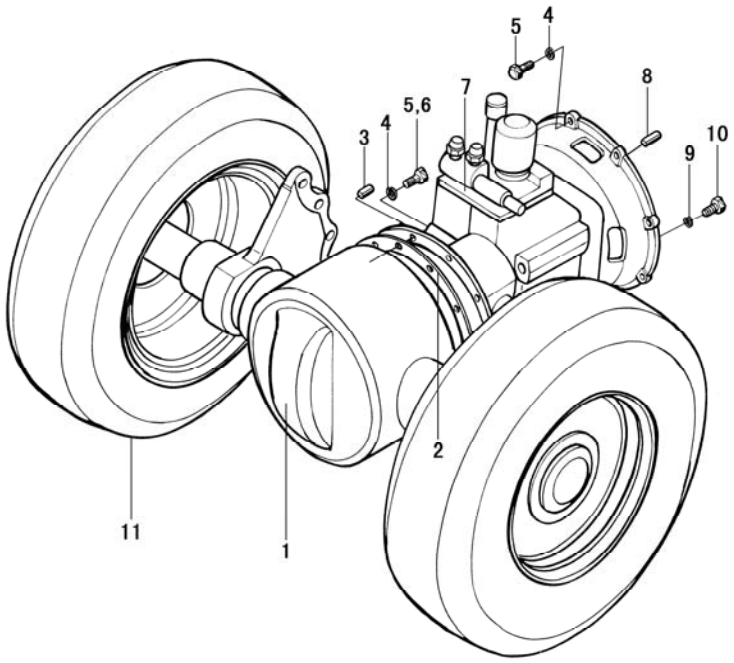


Item	Part No.	Description	Qty	Remarks Or Serial No.
13	66000340	Wheel assy,Single	2	See Fig.6
-	66000337	Outer wheel assy,Double	2	See Fig.7
-	66000341	Inner wheel assy,Double	2	See Fig.7

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Fig.2 Driving system

Ⓒ UT20/25P (GM 3.0)

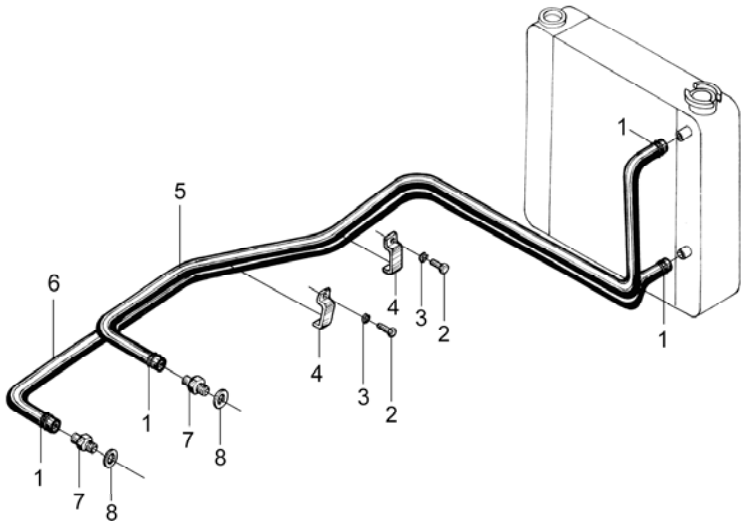


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000327	Drive axle assy	1	See Fig.4
2	66000326	Gasket	1	
3	66000077	Pin B8x30	1	
4	66000066	Washer 10	19	
5	66000126	Bolt M10x35	17	
6	66000125	Bolt M10x30	2	
7	66000842	Hydraulic transmission	1	
8	66000078	Pin B12x26	2	
9	66000065	Washer 8	6	
10	66000730	Bolt	6	
11	66000340	Wheel assy,Single	2	See Fig.6
-	66000337	Outer wheel assy,Double	2	See Fig.7
-	66000341	Inner wheel assy,Double	2	See Fig.7

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Fig.3 Cooling oil pipe assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

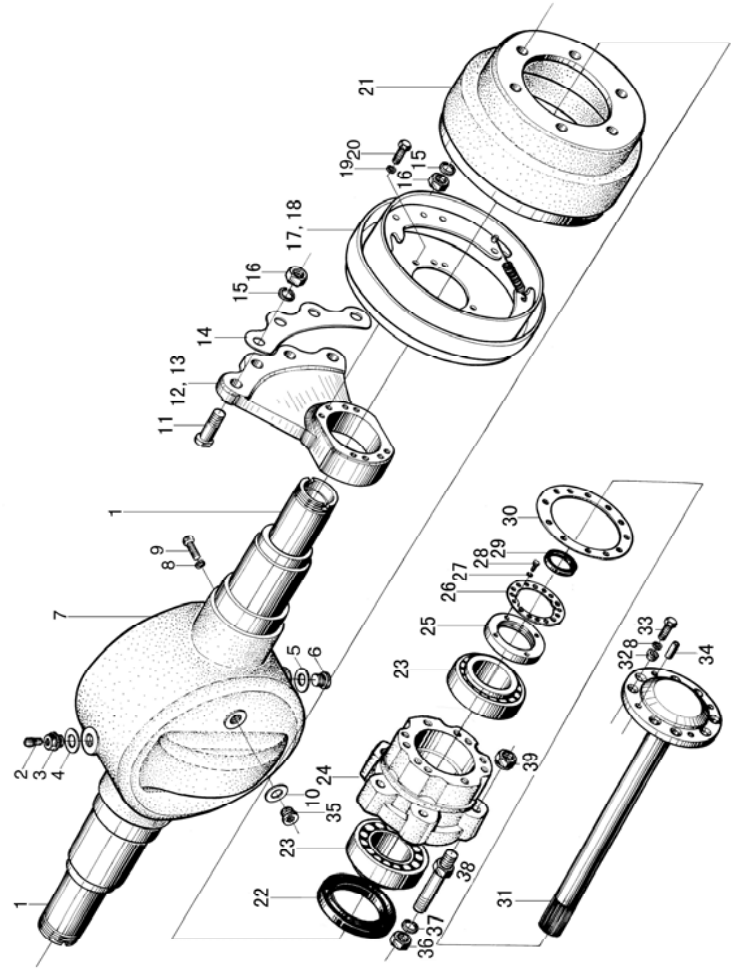


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000599	Clamp 23	4	
2	66000113	Bolt M8x12	4	
3	66000065	Washer 8	4	
4	66000373	Clamp	4	
5	66000372	Rubber pipe,L=2350	1	Ⓐ Ⓑ Ⓒ
-	66000586	Rubber pipe,L=1800	1	Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ
6	66000374	Rubber pipe,L=2500	1	Ⓐ Ⓑ Ⓒ
-	66000587	Rubber pipe,L=1300	1	Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ
7	66000371	Connector	2	
8	66000264	Washer 14	2	

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Fig.4 Drive axle assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

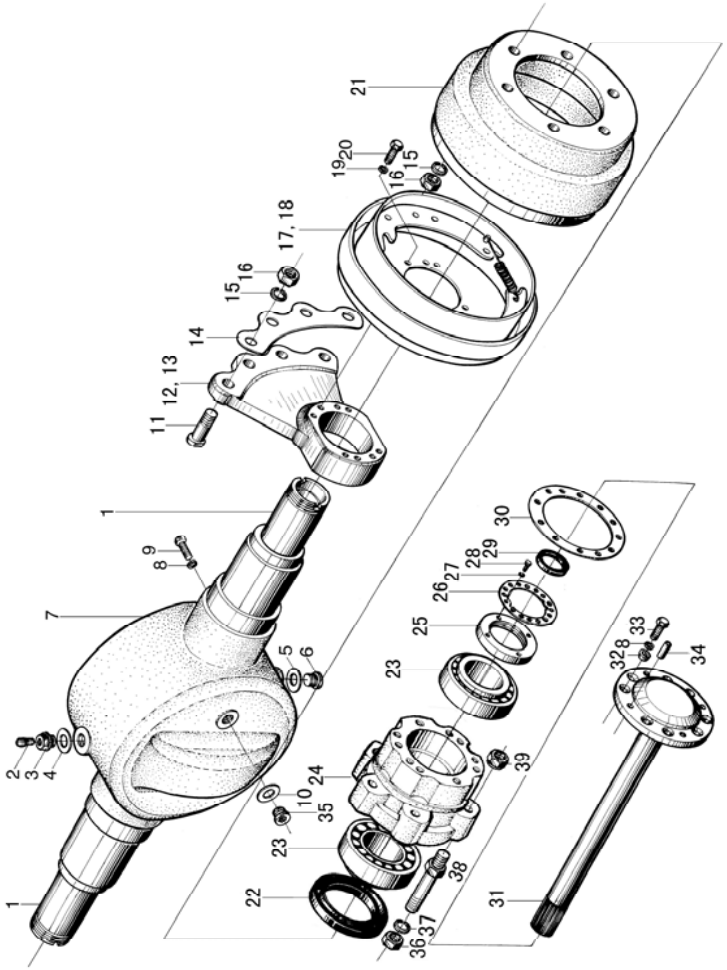


Item	Part No.	Description	Qty	Remarks Or Serial No.
A1	66000327	Drive axle assy	1	
1	66000345	Plug	2	
2	66000609	Vented plug $Z^1/_8$	1	
3	66000399	Plug	1	
4	66000266	Washer 22	1	
5	66000265	Washer 20	1	
6	66000398	Plug	1	
7	66000344	Axle	1	
8	66000067	Washer 12	18	
9	66000130	Bolt M12x40	2	
10	66000090	Washer 16	1	
11	66000394	Bolt	8	
12	66000328	Plate	1	
13	66000330	Plate	1	
14	66000393	Plate	1	

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Fig.4 Drive axle assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

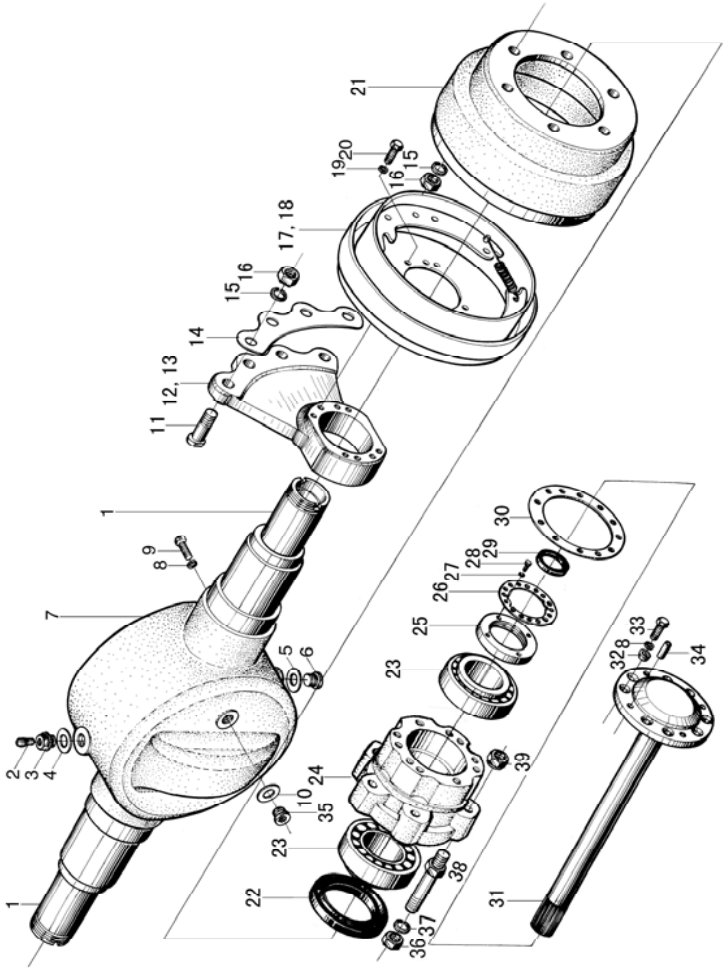


Item	Part No.	Description	Qty	Remarks Or Serial No.
15	66000070	Washer 20	8	
16	66000150	Nut M20x1.5	8	
17	66000336	Left brake	1	
18	66000339	Right brake	1	
19	66000068	Washer 14	16	
20	66000140	Bolt M14x1.5x30	16	
21	66000332	Brake drum	2	
22	66000183	Oil seal SD100x140x12	2	
23	66000403	Bearing 7815	4	
24	66000334	Hub	2	
25	66000395	Lock nut	2	
26	66000396	Locking shim	2	
27	66000064	Washer 6	4	
28	66000109	Bolt M6x12	4	
29	66000182	Oil seal PD45x62x12	2	

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Fig.4 Drive axle assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

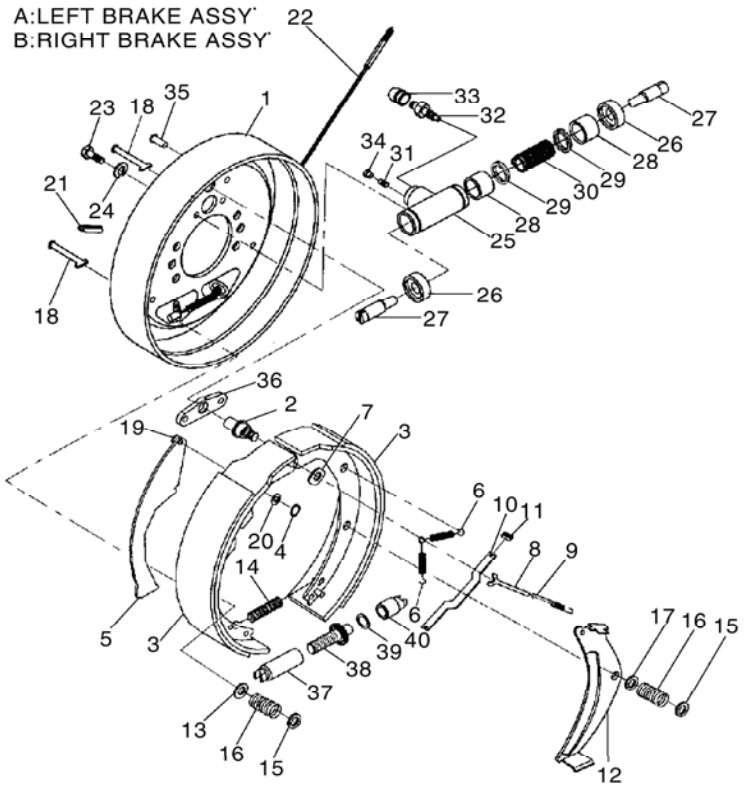


Item	Part No.	Description	Qty	Remarks Or Serial No.
30	66000400	Gasket	2	
31	66000333	Half shaft	2	
32	66000401	Clamp split-ring	16	
33	66000402	Bolt	16	
34	66000076	Pin D12x35	4	
35	66000268	Plug M16x1.5	1	
36	66000150	Nut M20x1.5	12	
37	66000070	Washer 20	12	
38	66000335	Bolt	12	Single wheel
-	66000329	Bolt	12	Double wheel
39	66000397	Nut	12	

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Fig.5 Brake assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

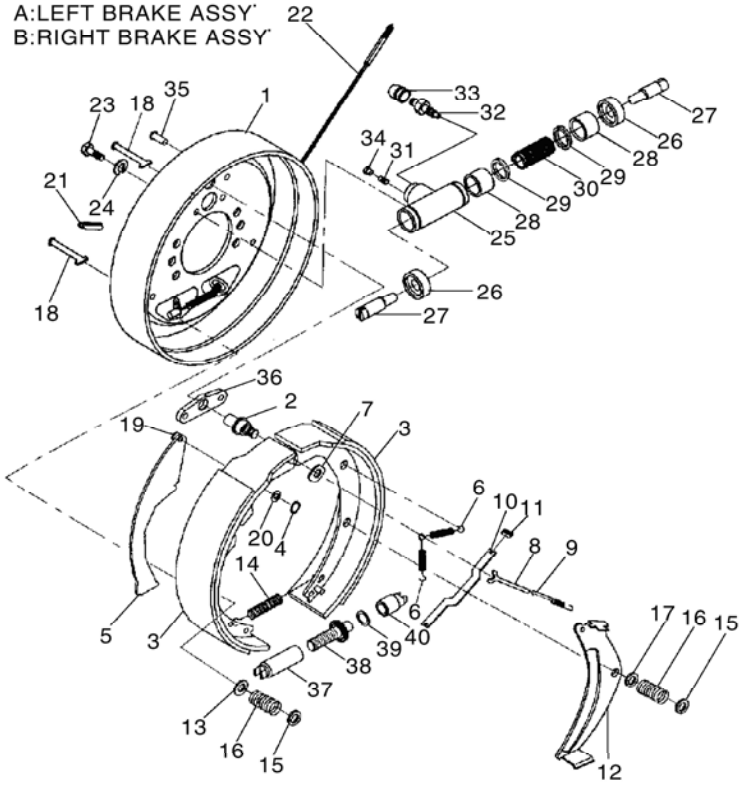


Item	Part No.	Description	Qty	Remarks Or Serial No.
A	66000618	Brake assy,LH	1	
B	66000619	Right Brake assy,RH	1	
1	66000886	Brakeplate assy,LH	1	
-	66000887	Brakeplate assy,RH	1	
2	66000863	Pin	1	
3	66000888	Brake shoe	2	
4	66000890	Spring shim	1	
5	66000874	Brake lever,LH	1	
-	66000875	Brake lever,RH	1	
6	66000889	Spring,Shoe return	2	
7	66000881	Plate,Shoe guide	1	
8	66000884	Stopper,Pawl-lever	1	
9	66000872	Spring,Actuator	1	
10	66000876	Strut	1	
11	66001071	Spring	1	

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Fig.5 Brake assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

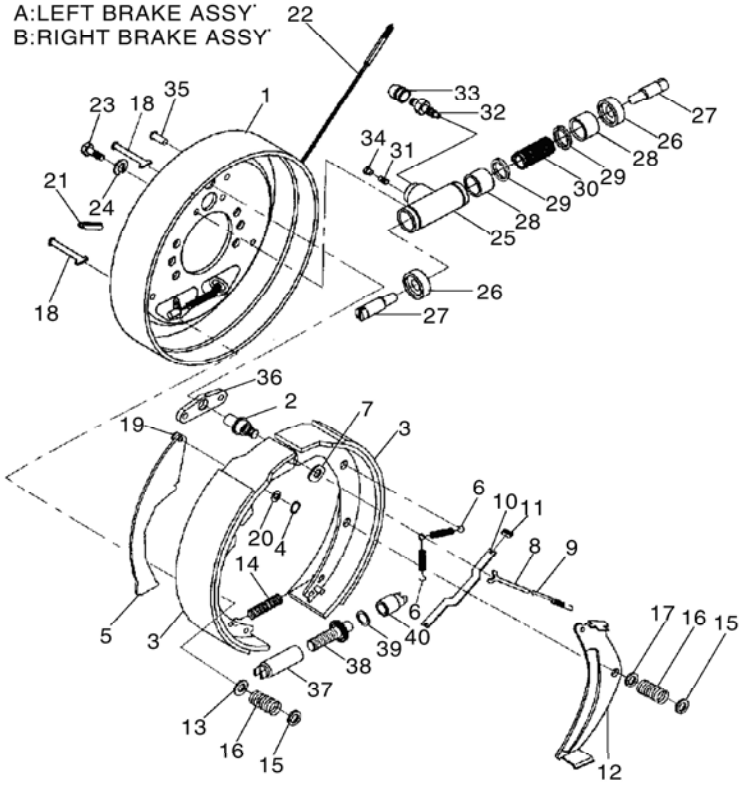


Item	Part No.	Description	Qty	Remarks Or Serial No.
12	66000882	Lever,Pawl,LH	1	
-	66000883	Adjust lever,RH	1	
13	66000885	Washer,Cup	1	
14	66000873	Spring	1	
15	66000879	Washer,Cup	4	
16	66000877	Spring	4	
17	66000880	Washer,Cup	4	
18	66000878	Pin,Shoe-hold	4	
19	66000866	Pin,Lever	1	
20	66000867	Shim	1	
21	66000868	Plug,Rubber	1	
22	66000404	Cable,Control,LH	1	
-	66000405	Cable,Control,RH	1	
23	66000105	Bolt M8x16	2	
24	66000065	Washer 8	2	

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Fig.5 Brake assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

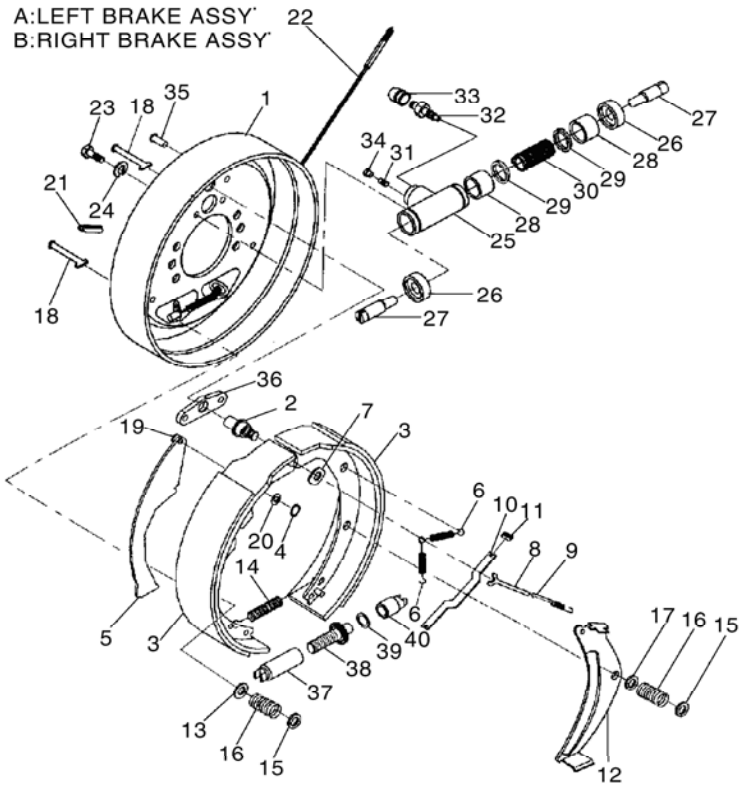


Item	Part No.	Description	Qty	Remarks Or Serial No.
A1	66000858	Cylinder assy,LH	1	Inc.25-34
-	66000859	Cylinder assy,RH	1	Inc.25-34
25	No Part No.	Body,Wheel-cylinder	1	
26	No Part No.	Cover,Dust	2	
27	No Part No.	Rod,Piston	2	
28	No Part No.	Piston	2	
29	No Part No.	Cup,Piston	2	
30	No Part No.	Spring	1	
31	No Part No.	Seat,Tube	1	
32	No Part No.	Screw,Bleeder	1	
33	No Part No.	Cap,Screw	1	
34	No Part No.	Cap,Dust	1	
35	66000862	Rivet	2	
36	66000861	Plate	1	

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Fig.5 Brake assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

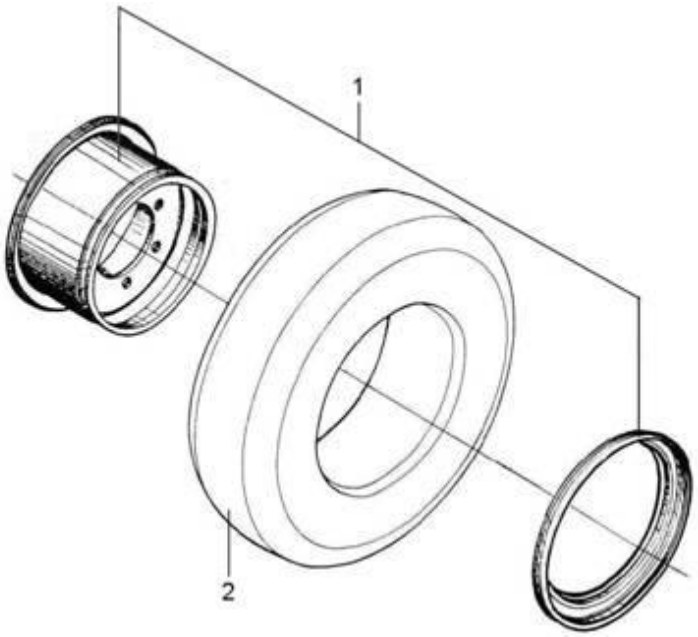


Item	Part No.	Description	Qty	Remarks Or Serial No.
A2	66001068	Gap adjuster assy,LH	1	Inc.37-40
-	66001070	Gap adjusterassy,RH	1	Inc.37-40
37	No Part No.	Adjusting cover	1	
38	No Part No.	Bolt,Adjuster	1	
39	No Part No.	Washer 10	1	
40	No Part No.	Adjuster staff	1	

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Fig.6 Front wheel（Single）

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

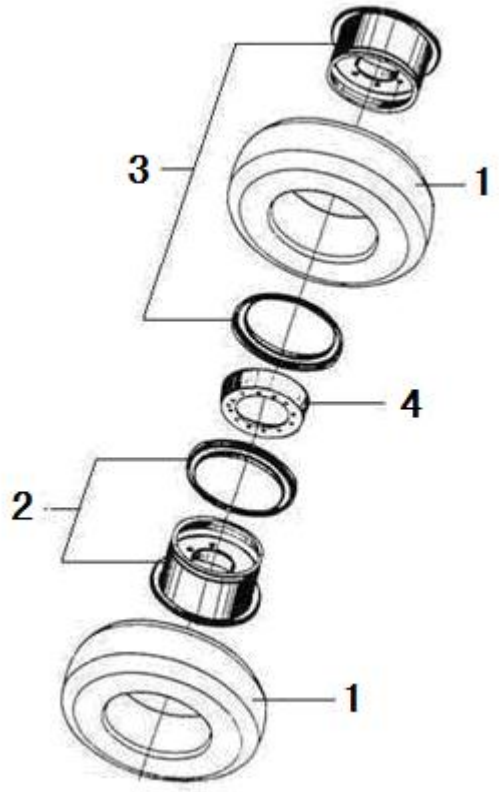


Item	Part No.	Description	Qty	Remarks Or Serial No.
A1	66000340	Wheel assy,Single	2	Inc.1-2
1	66000342	Rim assy	2	
2	66000048	Tire 7.00-12-12PR	2	

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Fig.7 Front wheel（Double）

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

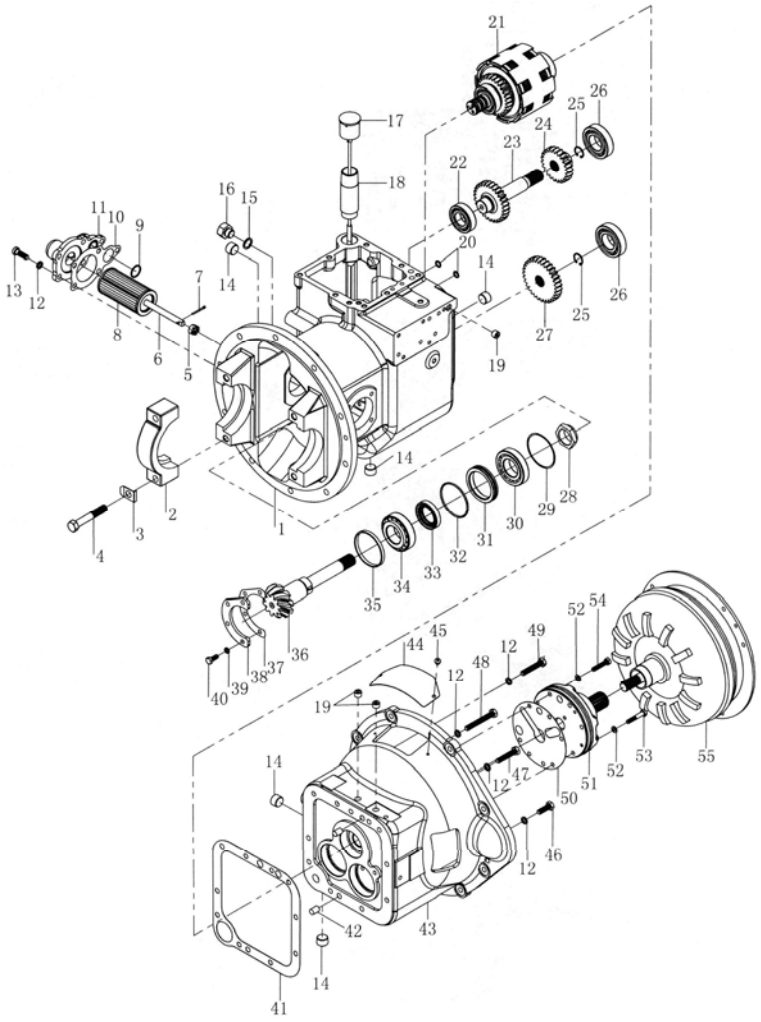


Item	Part No.	Description	Qty	Remarks Or Serial No.
A1	66000337	Outer wheel assy,Double	2	Inc.1,2
A2	66000341	Inner wheel assy,Double	2	Inc.1,3
1	66000008	Tire 7.00-12-12PR	4	
2	66000338	Rim assy,Outer	2	
3	66000343	Rim assy,Inner	2	
4	66000331	Ring	2	

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Fig.8 Gear-box

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

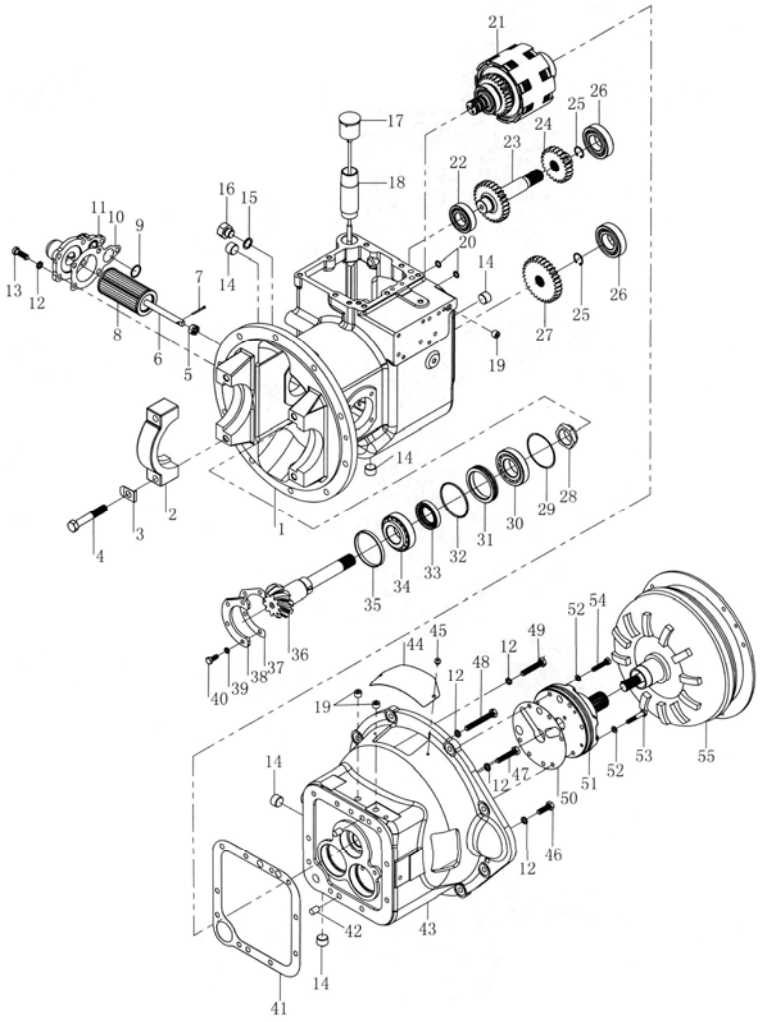


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000988	Case,Transmission	1	
2	66000975	Bearing seat	2	
3	66000974	Plate,Lock	4	
4	66001006	Bolt	4	
5	66000943	Nut M12	1	
6	66001056	Screw	1	
7	66000955	Cotter pin 3.2x28	1	
8	66001058	Filter components	1	
9	66000914	O-ring 28x2.4	1	
10	66001057	Paper pad	1	
11	66001055	Oil filter seat	1	
12	66000066	Washer 10	14	
13	66000944	Screw M10x30	5	
14	66000960	Screw plug R1/2	3	
15	66000968	Gasket 18x24x1.5	1	

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Fig.8 Gear-box

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

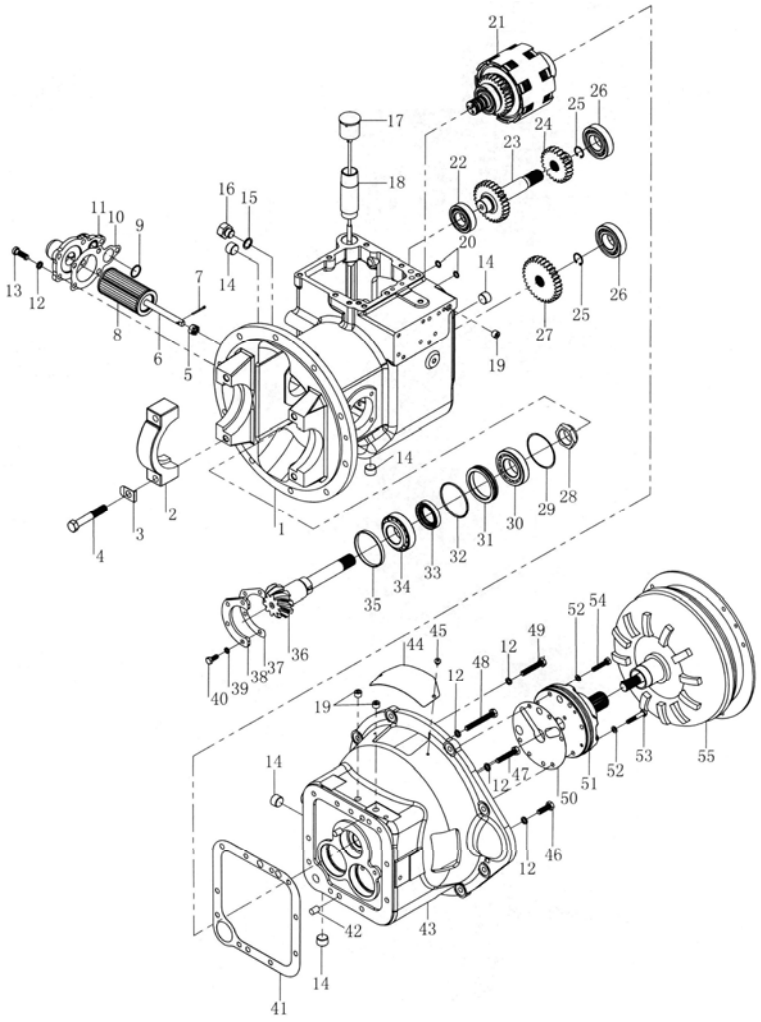


Item	Part No.	Description	Qty	Remarks Or Serial No.
16	66000964	Screw plug	1	
17	66001010	Fuel lid assy	1	
18	66000994	Pipe oil fill	1	
19	66000961	Screw plug R1/4	3	
20	66000913	O-ring 15x2.4	2	
21	66000976	Hydraulic clutch,Assy	1	
22	66000918	Bearing 6206	1	
23	66001000	Shaft,Idler	1	
24	66000998	Gear,Idler	1	
25	66000951	Circlips for holes 24	2	
26	66000919	Bearing 6207	2	
27	66000997	Output gear	1	
28	66000999	Nut	1	
29	66001001	Pad	Need	
30	66000921	Bearing 30208	1	

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Fig.8 Gear-box

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

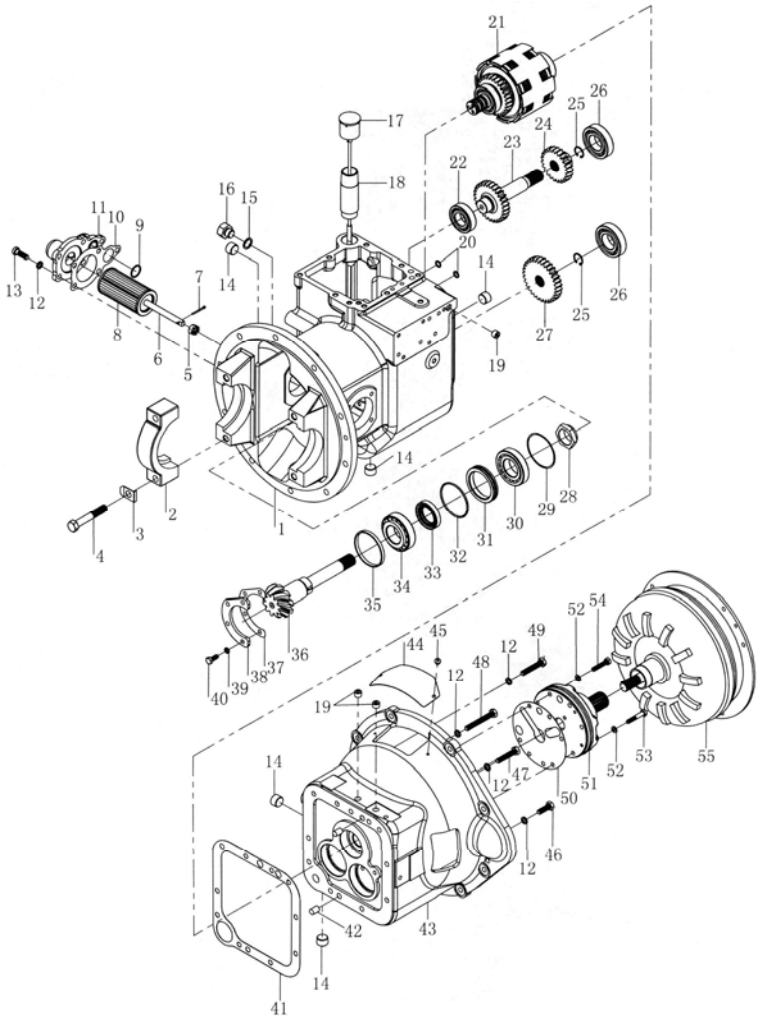


Item	Part No.	Description	Qty	Remarks Or Serial No.
31	66000989	Retainer,Oil seal	1	
32	66000917	O-ring 80x3.1	1	
33	66000993	Seal,Oil	1	
34	66000923	Bearing 32208	1	
35	66000991	Collar	1	
36	66000971	Shaft,Output	1	
37	66000990	Shim	Need	
38	66000992	Plate,Bearing support	1	
39	66000065	Washer 8	4	
40	66000938	Bolt M8x20	4	
41	66001054	Shim	1	
42	66000909	Pin,Parallel B12x20	2	
43	66001007	Case,Torque-converter	1	
44	66001008	Cover	1	
45	66000947	Screw M6x8	2	

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Fig.8 Gear-box

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

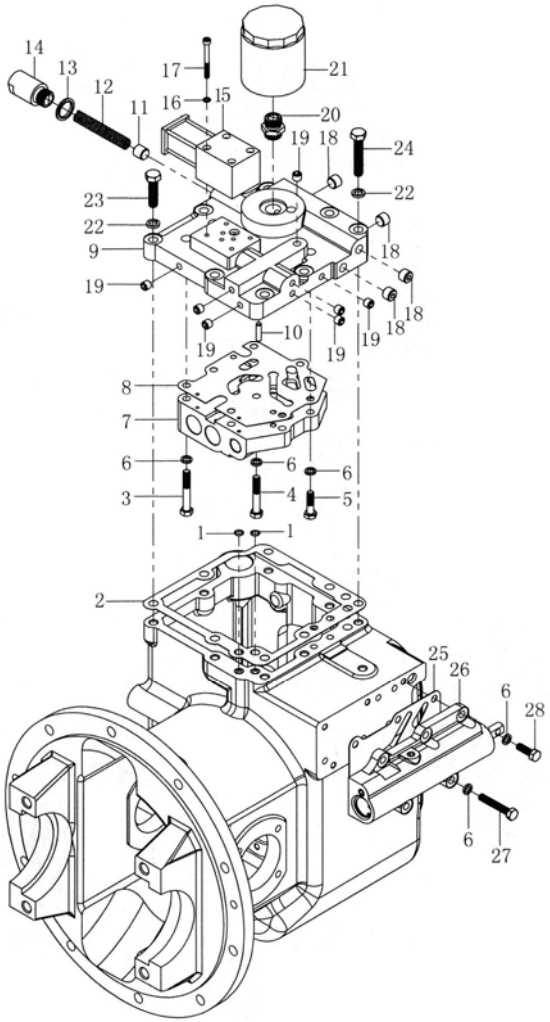


Item	Part No.	Description	Qty	Remarks Or Serial No.
46	66000933	Bolt M10x30	4	
47	66000935	Bolt M10x50	1	
48	66000937	Bolt M10x75	1	
49	66000936	Bolt M10x55	3	
50	66000996	Shim	1	
51	66001026	Charging pump	1	See Fig.13
52	66000969	Gasket 8x14x1.5	6	
53	66000928	Bolt M8x45	4	
54	66000927	Bolt M8x40	2	
55	66000970	Torque-converter	1	

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Fig.9 Cover control valve,Inching valve

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

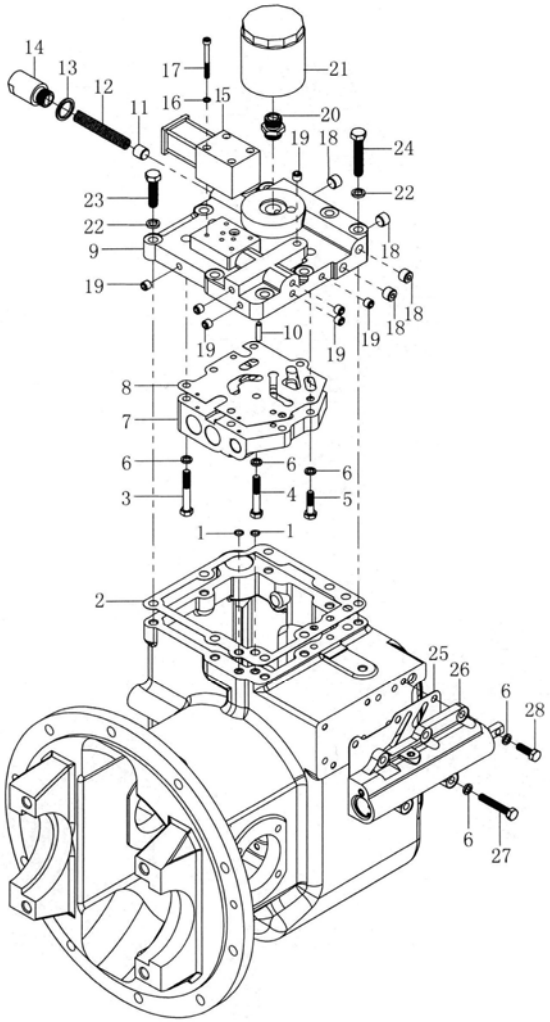


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000912	O-ring 11x1.9	2	
2	66000995	Shim	1	
3	66000931	Bolt M8x55	3	
4	66000930	Bolt M8x50	3	
5	66000929	Bolt M8x30	2	
6	66000065	Washer 8	13	
7	66001062	Control valve	1	See Fig.11
8	66001033	Gasket	1	
9	66001060	Cover,Case	1	
10	66000908	Pin,Parallel A6x25	1	
11	66001061	Piston	1	
12	66001035	Spring	1	
13	66000963	Combination gasket 20	1	
14	66001034	Cup	1	
15	66001063	Solenoid valve	1	

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Fig.9 Cover control valve,Inching valve

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

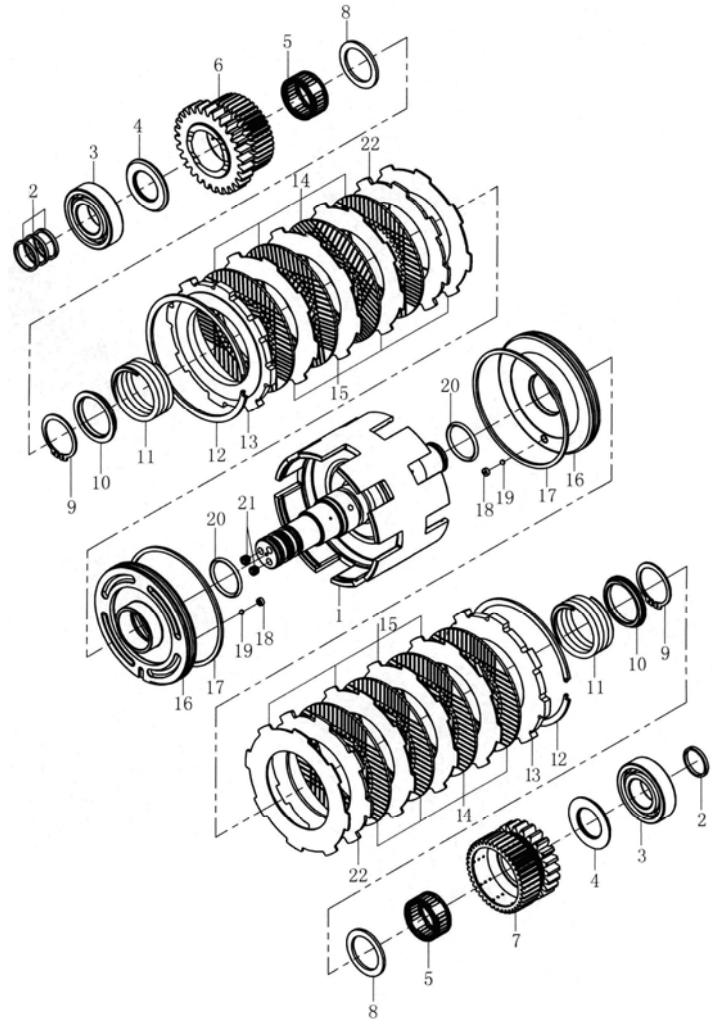


Item	Part No.	Description	Qty	Remarks Or Serial No.
16	66000948	Spring block circle 5	4	
17	66000945	Screw M5x50	4	
18	66000966	Plug,Hexagon ZG1/4	4	
19	66000967	Plug,Hexagon ZG1/8	7	
20	66001036	Nipple	1	
21	66001009	Oil filter	1	
22	66000066	Washer 10	8	
23	66000934	Bolt M10x40	6	
24	66000936	Bolt M10x55	2	
25	66001005	Liner	1	
26	66001045	Inching valve	1	See Fig.12
27	66000941	Bolt M8x50	2	
28	66000939	Bolt M8x25	3	

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Fig.10 Hydraulic clutch

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

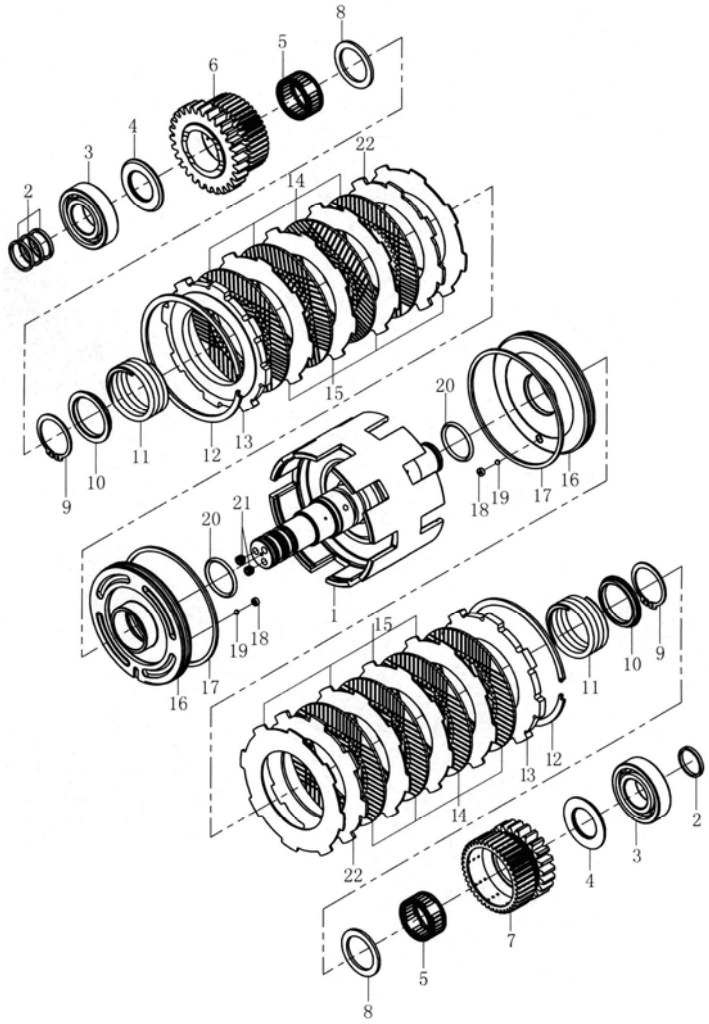


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66001025	Shaft assy,Input	1	
2	66001016	Ring,Seal	4	
3	66000918	Bearing 6206	2	
4	66001017	Ring,Thrust	2	
5	66000965	Bearing,Needle	2	
6	66001015	Gear,Reverse	1	
7	66001013	Gear,Forward	1	
8	66001018	Ring,Thrust	2	
9	66000954	Circlips for shaft 40	2	
10	66001019	Seat,Spring	2	
11	66001014	Spring,Return	2	
12	66001024	Snap ring	2	
13	66001011	Plate,End	8	
14	66001023	Disk,Friction	8	
15	66001022	Spacer	8	

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Fig.10 Hydraulic clutch

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

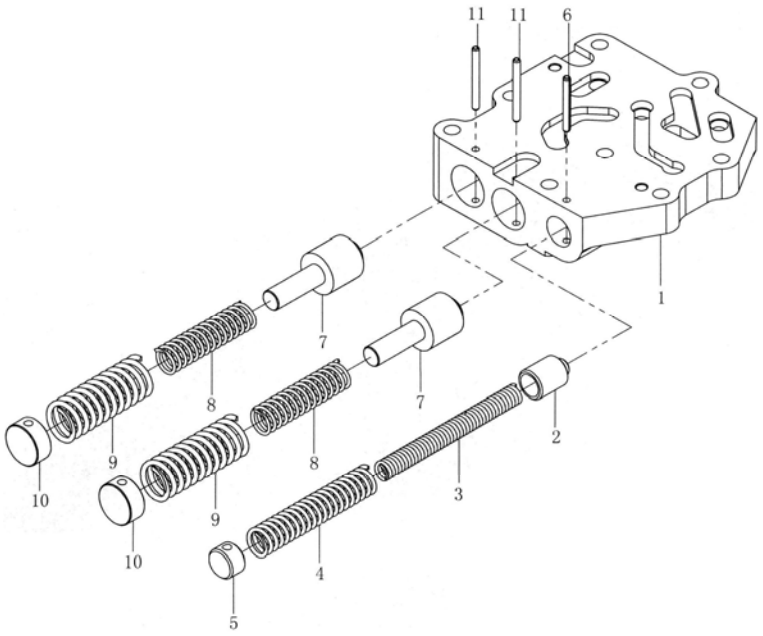


Item	Part No.	Description	Qty	Remarks Or Serial No.
16	66001012	Piston	2	
17	66001021	Ring,Seal	2	
18	66001020	Plug	2	
19	66000924	Ball,Steel 4.0000 G200b	2	
20	66000915	O-ring 40x3.5	2	
21	66000946	Screw M8x8	2	

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Fig.11 Control valve

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

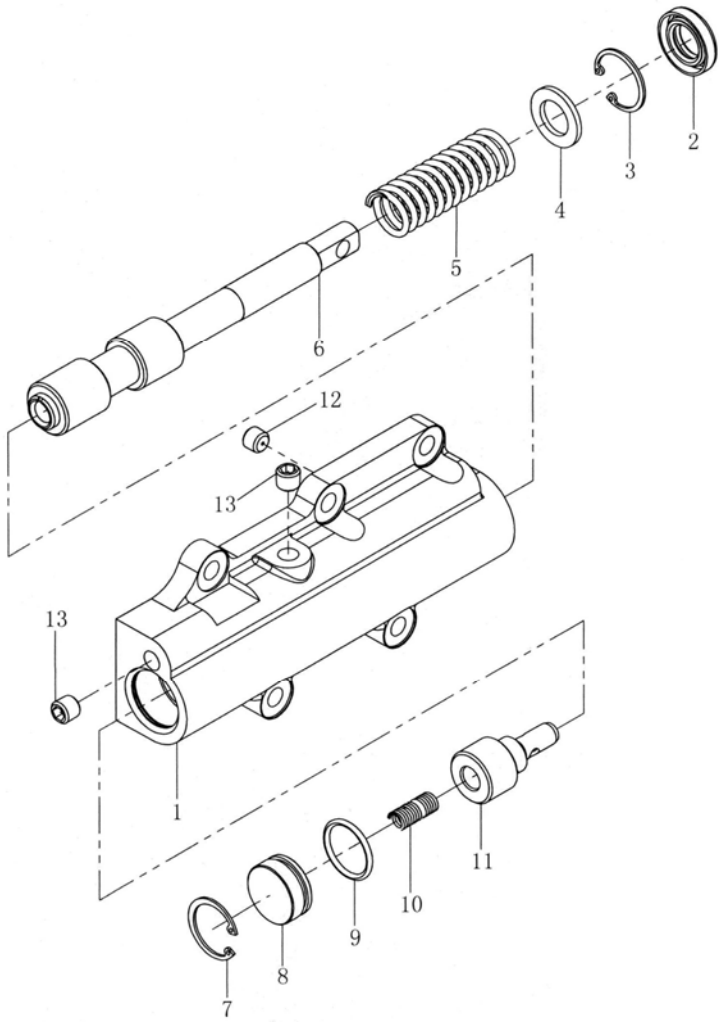


Item	Part No.	Description	Qty	Remarks Or Serial No.
A1	66001062	Control valve	1	Inc.1-11
1	66001059	Body - Valve	1	
2	66001042	Piston	1	
3	66001040	Spring	1	
4	66001041	Spring	1	
5	66001039	Plug	1	
6	66000949	Pin,Lock 4x35	1	
7	66001044	Spool	2	
8	66001038	Spring	2	
9	66001043	Spring	2	
10	66001037	Plug	2	
11	66000950	Pin,Lock 4x40	2	

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Fig.12 Inching valve

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

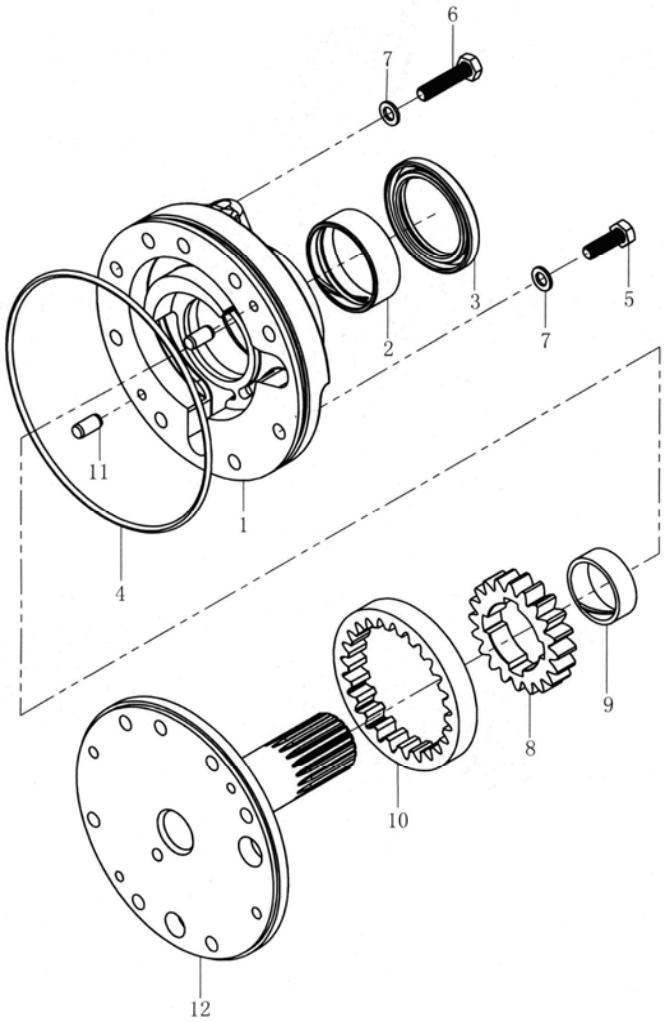


Item	Part No.	Description	Qty	Remarks Or Serial No.
A1	66001045	Inching valve	1	Inc.1-13
1	66001052	Body -Inching valve	1	
2	66000959	Seal -Oil FW16x30x7	1	
3	66000953	Snap ring -Internal 30	1	
4	66001051	Spacer	1	
5	66001050	Spring	1	
6	66001049	Spool	1	
7	66000952	Snap ring - Internal 28	1	
8	66001048	Plug	1	
9	66000926	O-ring 23.6x2.65	1	
10	66001047	Spring	1	
11	66001053	Plunger	1	
12	66001046	Plug	1	
13	66000962	Screw plug R1/8	2	

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Fig.13 Charging pump

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

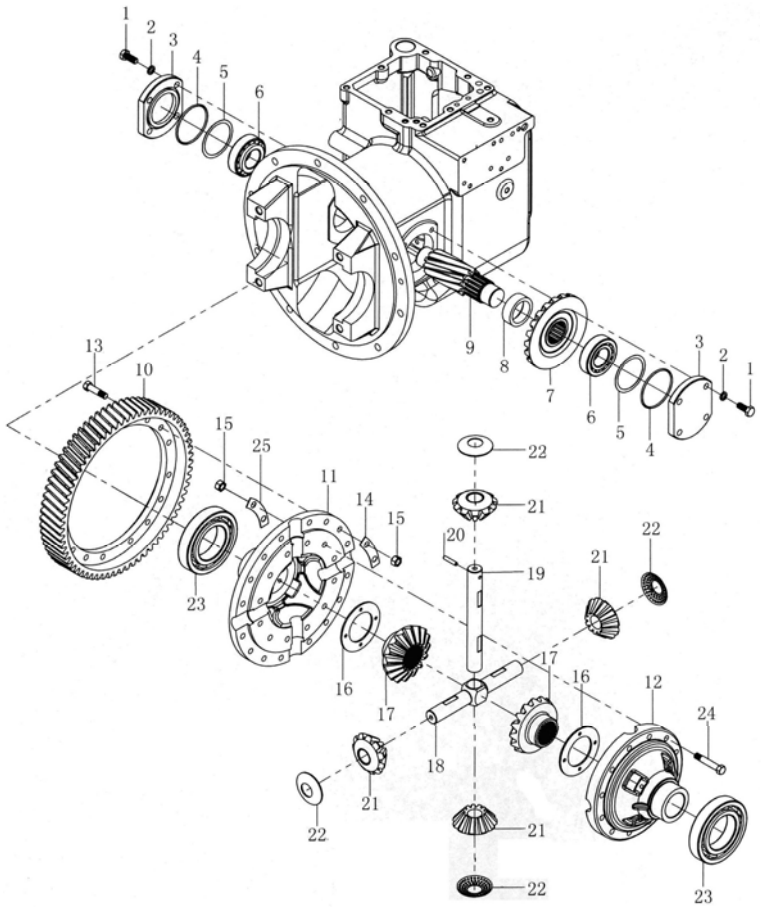


Item	Part No.	Description	Qty	Remarks Or Serial No.
A1	66001026	Charging pump	1	Inc.1-12
1	66001032	Case - Pump	1	
2	66001027	Bushing	1	
3	66000958	Seal - Oil B50x68x8	1	
4	66000925	O-ring 145x3.55	1	
5	66000939	Bolt M8x25	1	
6	66000940	Bolt M8x35	1	
7	66000969	Gasket 8x14x1.5	2	
8	66001028	Gear - Drive	1	
9	66001029	Bushing	1	
10	66001030	Gear - Driven	1	
11	66000911	Pin - Parallel B8x16	2	
12	66001031	Support, Starter	1	

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Fig.14 Reduction & Differential

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

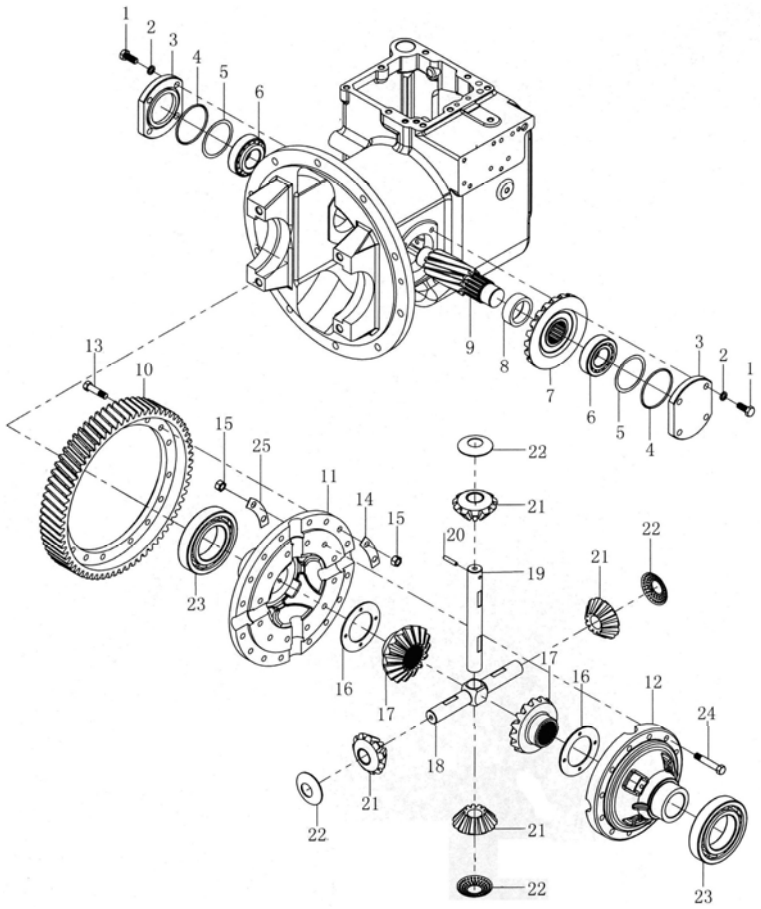


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000932	Bolt M10x25	8	
2	66000066	Washer 10	8	
3	66001004	Cover, Bearing	2	
4	66000916	O-ring 75x3.1	2	
5	66001002	Shim=0.10.20.5	Need	
6	66000922	Bearing 32207	2	
7	66000973	Spiral bevel gear	1	
8	66001003	Bushing	1	
9	66000972	Shaft - Final pinion	1	
10	66000979	Gear Ring	1	
11	66000986	Case RH, Differential gear	1	
12	66000987	Case LH, Differential gear	1	
13	66000978	Bolt	12	
14	66000977	Washer lock(A)	6	
15	66000942	Nut M10x1.25	12	

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Fig.14 Reduction & Differential

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y



Item	Part No.	Description	Qty	Remarks Or Serial No.
16	66000983	Washer	2	
17	66000985	Gear - Side	2	
18	66000984	Pinion shaft	1	
19	66000981	Pinion shaft	1	
20	66000910	Pin, Parallel B6x30	1	
21	66000982	Planetary pinion	4	
22	66000980	Washer - Thrust	4	
23	66000920	Bearing 6211	2	

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Part Ⅱ Steering system contents

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

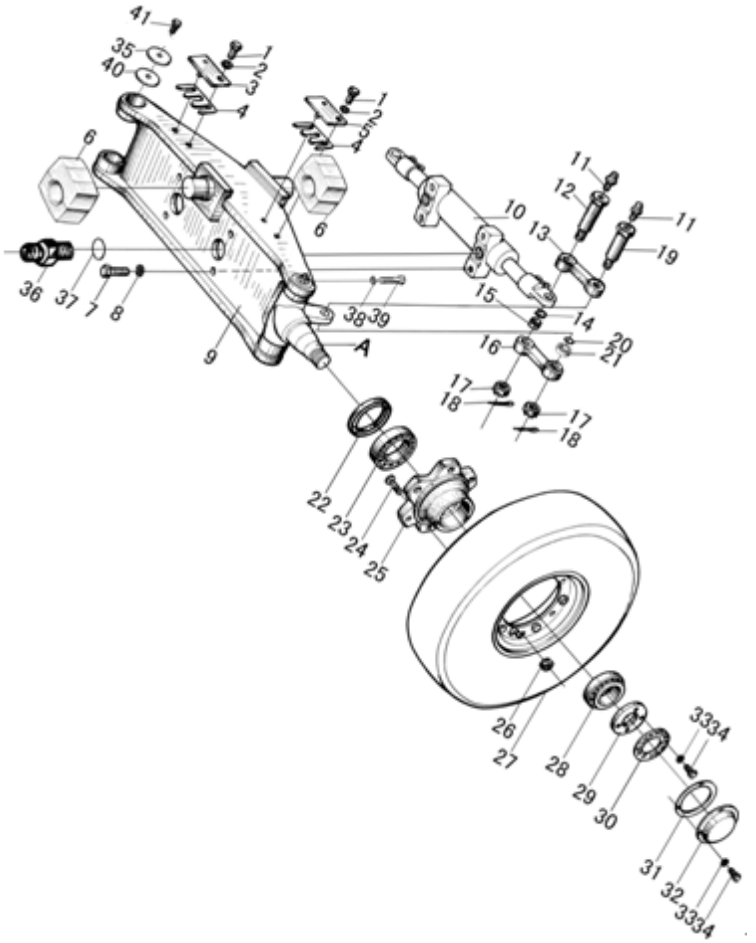
Item	Description	Serial No.	Page
Fig.1	Steering axle Ⅰ	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	2-1
Fig.2	Steering axle Ⅱ	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	2-4
Fig.3	Steering wheel assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	2-5
Fig.4	Steering cylinder	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	2-6
Fig.5	Steering device	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	2-8
Fig.6	Steering pipe device	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	2-10

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Fig.1 Steering axle Ⅰ

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

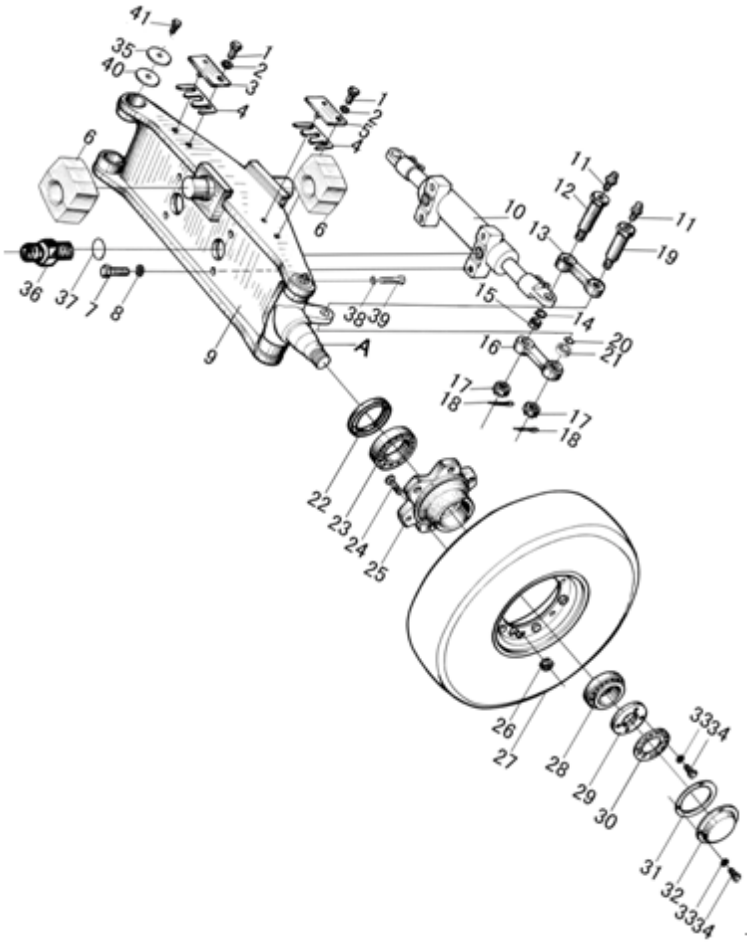


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000136	Bolt M10x1.25x30	2	
2	66000066	Washer 10	2	
3	66000451	Plate	1	
4	66000317	Adjusting shim	2	
5	66000448	Plate	1	
6	66000680	Shock absorption block	2	
7	66000141	Bolt M14x1.5x40	4	
8	66000068	Washer 14	4	
9	66000682	Steering axle body	1	Ⓐ Ⓑ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ
-	66000731	Steering axle body	1	Ⓒ
10	66000683	Steering cylinder	1	See Fig.4
11	66000607	Grease nipple	4	
12	66000428	Pin shaft	2	
13	66000429	Tie-rod bar	2	
14	66000173	Snap ring 35	2	

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Fig.1 Steering axle Ⅰ

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

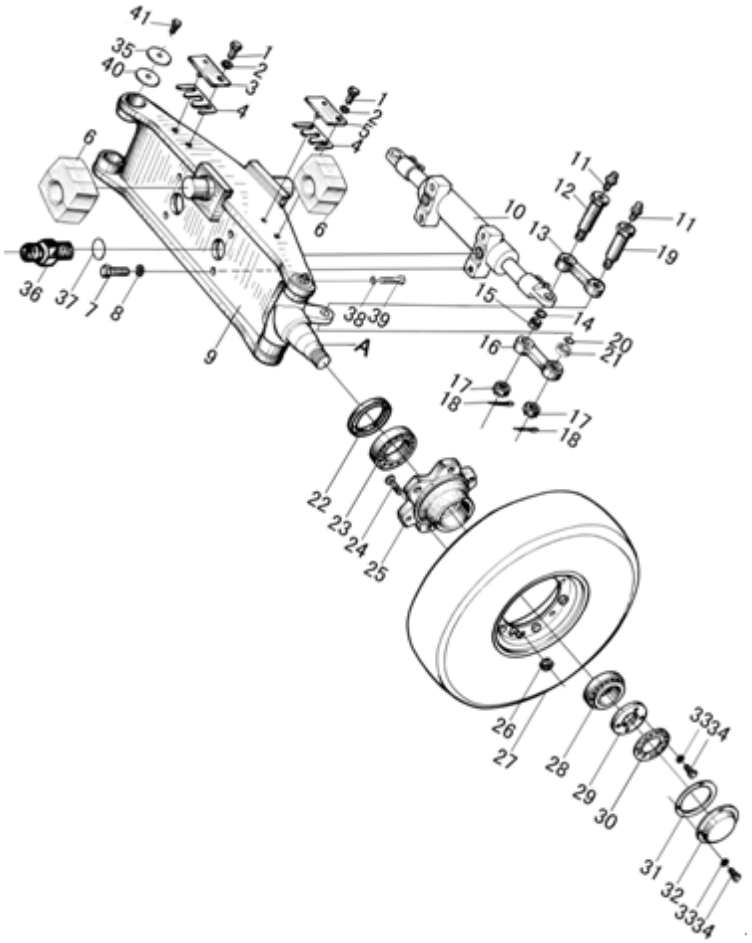


Item	Part No.	Description	Qty	Remarks Or Serial No.
15	66000160	Bearing GE20ES-2RS	2	
16	66000430	Tie-rod bar	2	
17	66000162	Nut M14x1.5	4	
18	66000062	Pin 3.2x40	4	
19	66000431	Pin shaft	2	
20	66000170	Snap ring 30	2	
21	66000159	Bearing GE17ES-2RS	2	
22	66000169	Oil seal FB60x90x8	2	
23	66000045	Bearing 32210	2	
24	66000433	Bolt	12	
25	66000435	Hub	2	
26	66000432	Nut	12	
27	66000346	Steering wheel assy	2	See Fig.3
28	66000044	Bearing 32208	2	
29	66000438	Lock nut	2	

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Fig.1 Steering axle Ⅰ

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

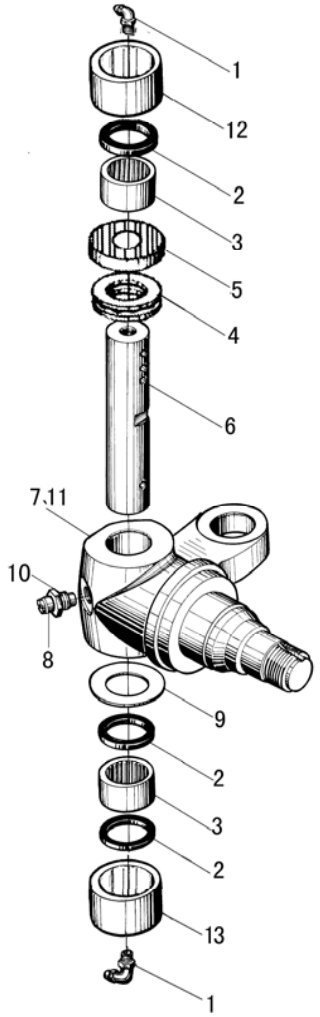


Item	Part No.	Description	Qty	Remarks Or Serial No.
30	66000439	Washer	2	
31	66000436	Gasket	2	
32	66000437	End cover	2	
33	66000064	Washer 6	10	
34	66000109	Bolt M6x12	10	
35	66000441	Cover	4	
36	66000681	Connector	2	
37	66000188	O-ring P11	2	
38	66000149	Nut M14x1.5	2	
39	66000442	Bolt	2	
40	66000444	Plate	4	
41	66000100	Screw M6x12	12	

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Fig.2 Steering axle Ⅱ

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

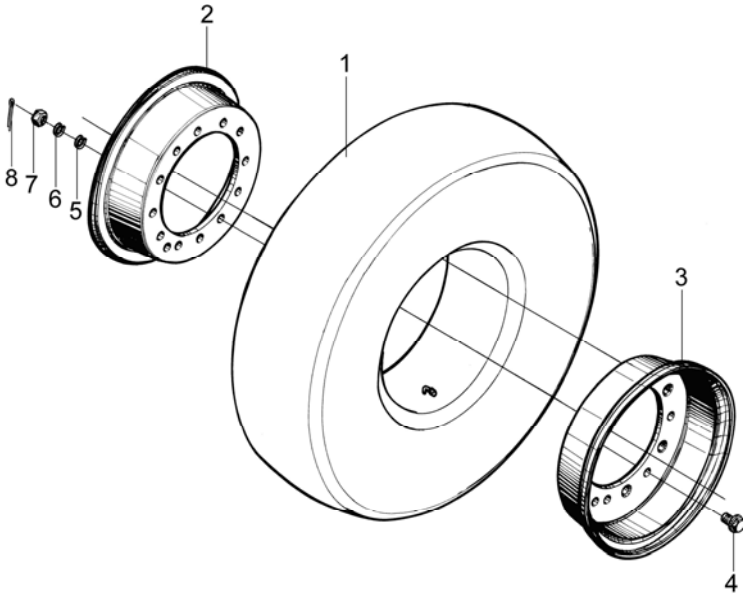


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000608	Grease nipple	6	
2	66000440	Oil seal	6	
3	66000262	Bearing K304030	4	
4	66000046	Bearing 51206	2	
5	66000426	Dustproof bush	2	
6	66000425	Pin	2	
7	66000427	Left steering knuckle	1	
8	66000445	Bolt	2	
9	66000434	Adjusting shim	2	
10	66000066	Washer 10	2	
11	66000443	Right steering knuckle	1	
12	66000446	Sleeve	2	
13	66000447	Sleeve	2	

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Fig.3 Steering wheel assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

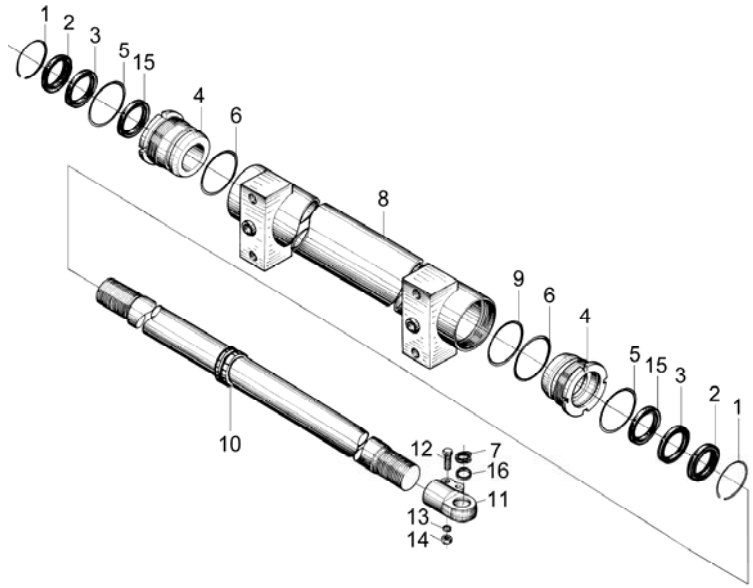


Item	Part No.	Description	Qty	Remarks Or Serial No.
A1	66000346	Steering wheel assy	2	Inc.1-8
1	66000047	Tire 6.00-9-10PR	1	
2	66000348	Rim assy,Inner	1	2、3 Paired provide
3	66000347	Rim assy,Outer	1	
4	66001069	Bolt	6	
5	66000067	Washer 12	6	
6	66000165	Washer 12	6	
7	66000161	Nut M12x1.5	6	
8	66000060	Pin 3.2x22	6	

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Fig.4 Steering cylinder

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

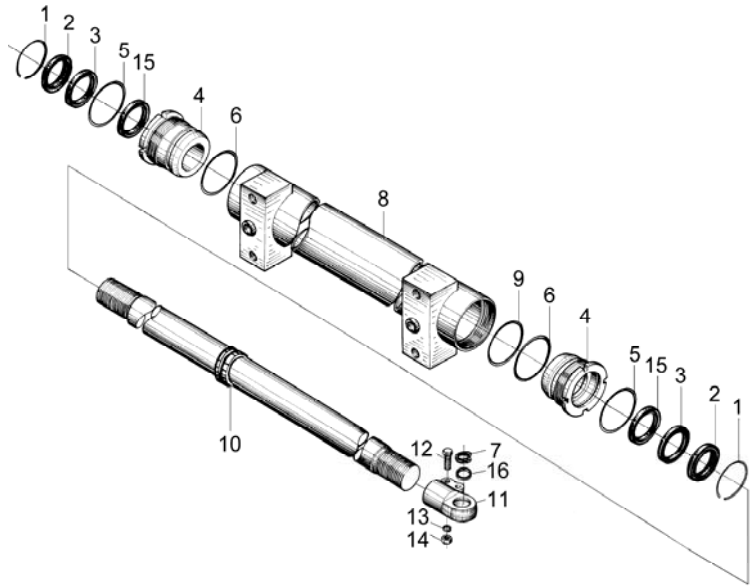


Item	Part No.	Description	Qty	Remarks Or Serial No.
A1	66000683	Steering cylinder	1	Inc.1-16
1	66000318	Snap ring	2	
2	66000001	Dustproof ring	2	
3	66000014	Seal ring	2	
4	66000684	Guide bush	2	
5	66000097	O-ring 70x3.1	2	
6	66000096	O-ring 65x3.5	2	
7	66000171	Snap ring 35	2	
8	66000685	Body cylinder	1	
9	66000594	Ring D65x54x4.2	1	
10	66000450	Piston rod	1	
11	66000449	Cylinder connector	2	
12	66000136	Bolt M10x1.25x30	4	
13	66000066	Washer 10	4	
14	66000153	Nut M10x1.25	4	

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Fig.4 Steering cylinder

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

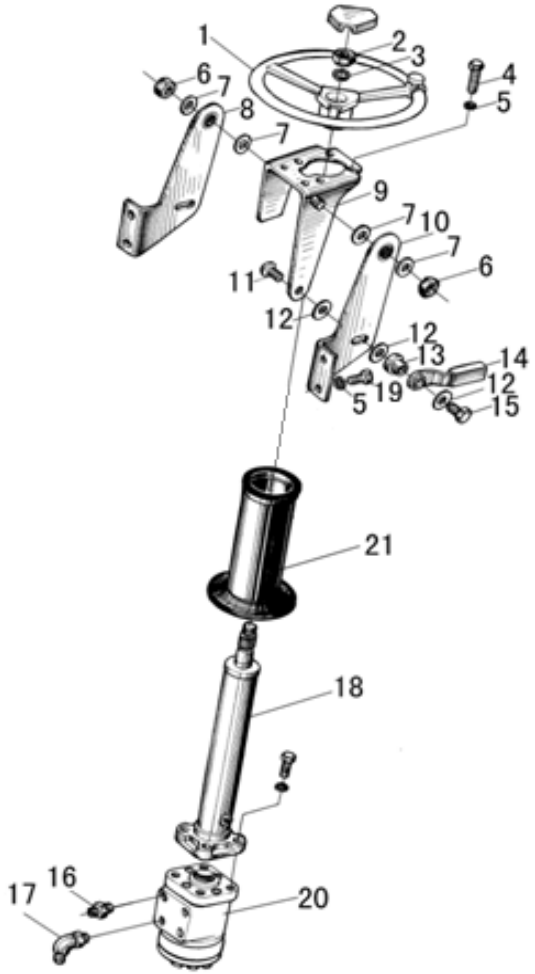


Item	Part No.	Description	Qty	Remarks Or Serial No.
15	66000823	Bush	2	
16	66000160	Bearing GE20ES-2RS	2	

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Fig.5 Steering device

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

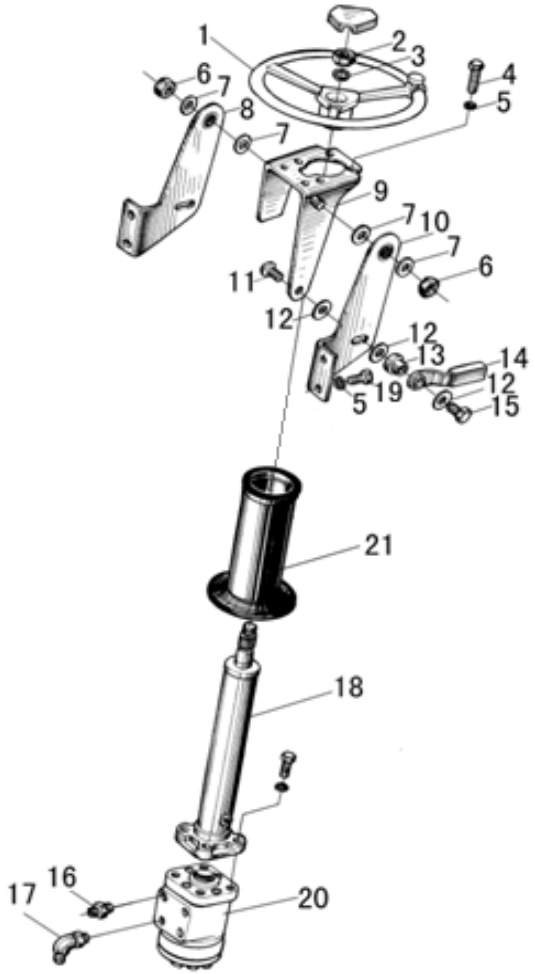


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000411	Steering wheel assy	1	
2	66000154	Nut M16x1.5	1	
3	66000069	Washer 16	1	
4	66000126	Bolt M10x35	4	
5	66000066	Washer 10	8	
6	66000157	Nut M10	2	
7	66000417	Washer	4	
8	66000420	Right clamp assy	1	
9	66000419	Bracket	1	
10	66000418	Left clamp assy	1	
11	66000409	Bolt	4	
12	66000407	Washer	2	
13	66000408	Sleeve	1	
14	66000422	Handle	1	
15	66000406	Bolt	1	

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Fig.5 Steering device

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

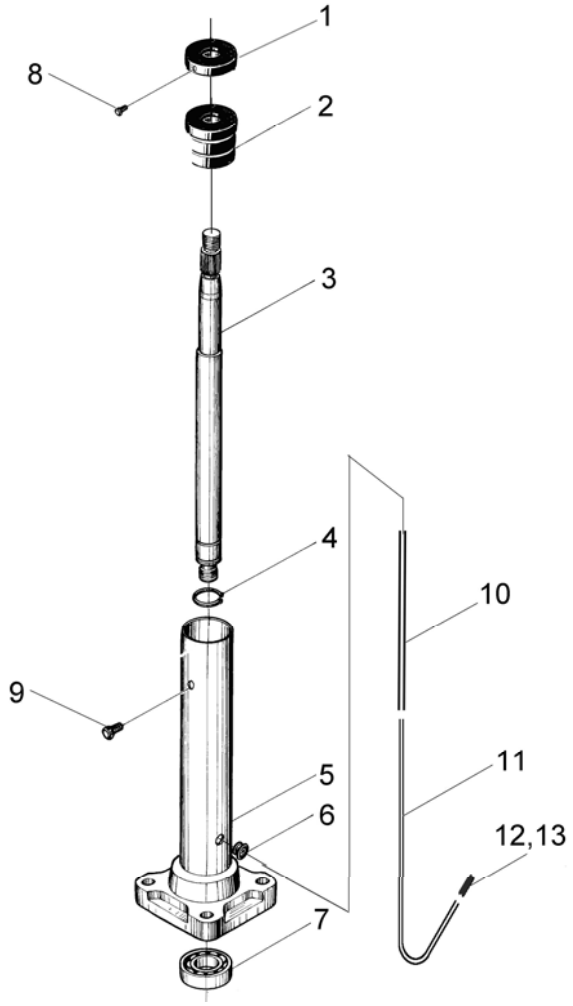


Item	Part No.	Description	Qty	Remarks Or Serial No.
16	66000421	Pipe connector	2	
17	66000423	Pipe connector	2	
18	66000412	Steering pipe device	1	
19	66000134	Bolt M10x1.25x20	4	
20	66000424	Orbitrol	1	
21	66000410	Sleeve	1	

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Fig.6 Steering pipe device

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y



Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000900	Conductive cover	1	
2	66000414	Sleeve	1	
3	66000413	Steering shaft	1	
4	66000176	Snap ring 20	1	
5	66000416	Steering pipe assy	1	
6	66000901	Sleeve	1	
7	66000043	Bearing 61904	1	
8	66000050	Screw M3x8	2	
9	66000051	Screw M5x8	2	
10	66000415	Sleeve	1	
11	66000007	Line	1	
12	66000012	Plug	1	
13	66000011	Plug	1	

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Part III Power system contents

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

Item	Description	Serial No.	Page
Fig.1	Power system	Ⓐ	3-1
Fig.2	Power system	Ⓑ	3-2
Fig.3	Power system	Ⓒ	3-3
Fig.4	Power system	Ⓓ Ⓖ	3-5
Fig.5	Power system	Ⓔ Ⓕ Ⓗ Ⓘ	3-6
Fig.6	Air intake system	Ⓐ	3-7
Fig.7	Air intake system	Ⓑ	3-8
Fig.8	Air intake system	Ⓒ	3-9
Fig.9	Air intake system	Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	3-10
Fig.10	High air intake system	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	3-11

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Item	Description	Serial No.	Page
Fig.11	Exhaust system	Ⓐ	3-12
Fig.12	Exhaust system	Ⓑ	3-13
Fig.13	Exhaust system	Ⓒ	3-14
Fig.14	Exhaust system	Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	3-16
Fig.15	High exhaust system	Ⓐ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	3-17
Fig.16	Cooling system	Ⓐ	3-18
Fig.17	Cooling system	Ⓑ	3-19
Fig.18	Cooling system	Ⓒ	3-21
Fig.19	Cooling system	Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	3-23
Fig.20	Fuel system	Ⓐ	3-25
Fig.21	Fuel system	Ⓑ	3-27
Fig.22	Fuel system	Ⓒ Ⓔ Ⓗ	3-29
Fig.23	Fuel system	Ⓓ Ⓕ Ⓖ Ⓘ	3-30
Fig.24	Engine mount	Ⓐ	3-31

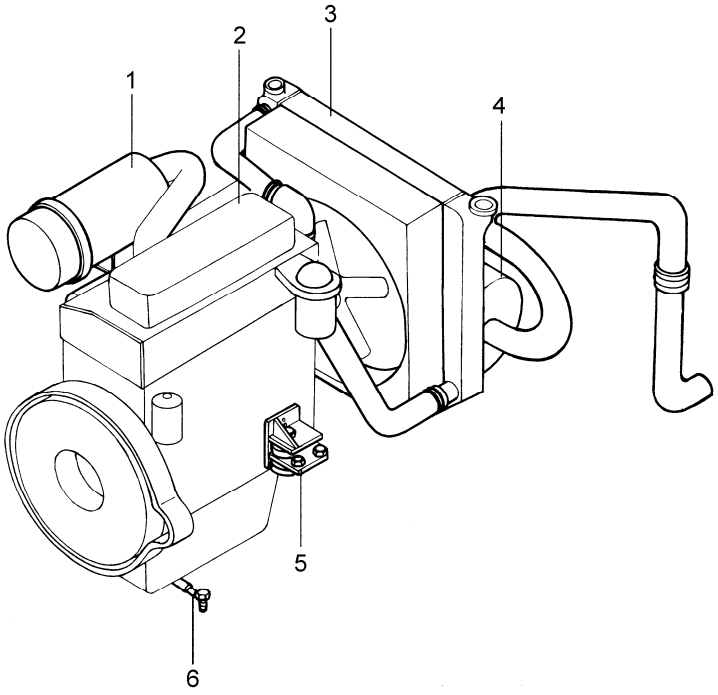
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Item	Description	Serial No.	Page
Fig.25	Engine mount	Ⓑ	3-32
Fig.26	Engine mount	Ⓒ	3-33
Fig.27	Engine mount	Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	3-34
Fig.28	LPG pipeline system	Ⓒ	3-35
Fig.29	Device for gear pump	Ⓒ	3-36
Fig.30	Device for fan belt	Ⓒ	3-37

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Fig.1 Power system

Ⓐ UT20/25P (C240)

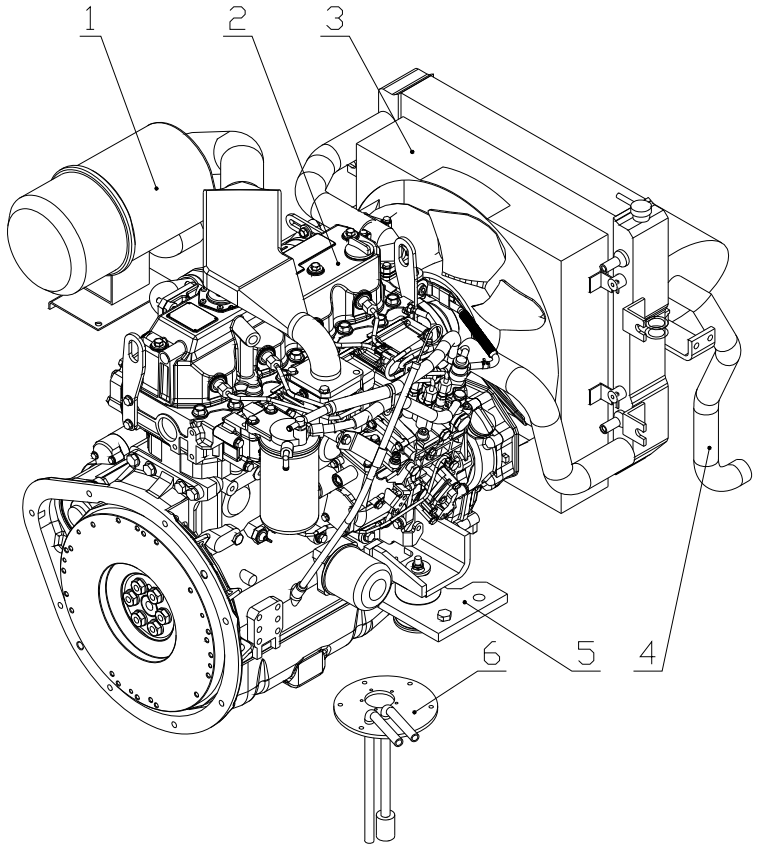


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000352	Air intake system	1	N
2	66000010	Engine	1	
3	66000385	Cooling system	1	N
4	66000636	Exhaust system	1	N
5	66000359	Engine mount	1	N
6	66000724	Fuel system	1	N

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Fig.2 Power system

Ⓑ UT20/25P (4TNE92)

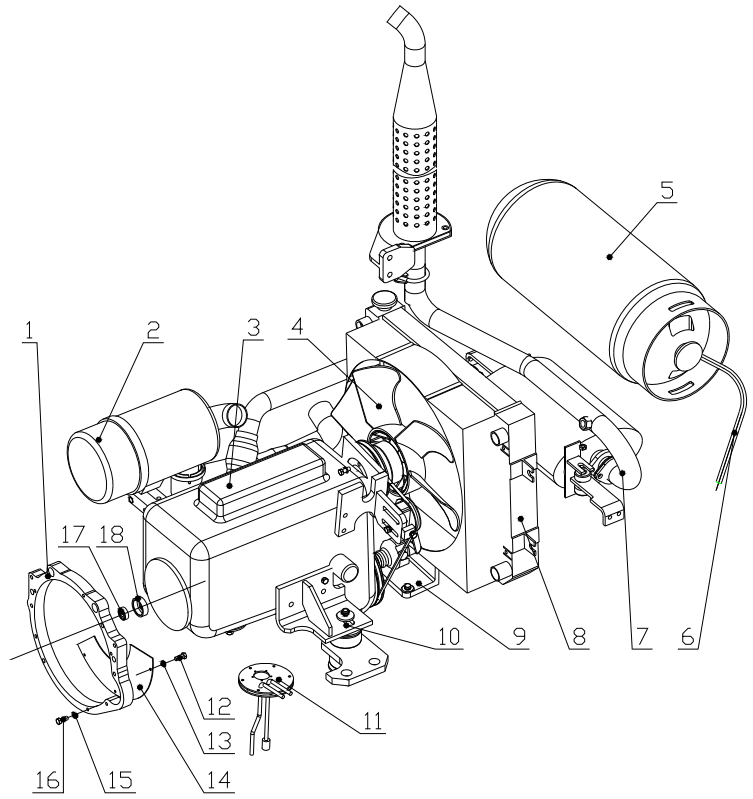


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000276	Air intake system	1	N
2	66000899	Engine	1	
3	66000278	Cooling system	1	N
4	66000648	Exhaust system	1	N
5	66000810	Engine mount	1	N
6	66000794	Fuel system	1	N

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Fig.3 Power system

Ⓒ UT20/25P (GM 3.0)

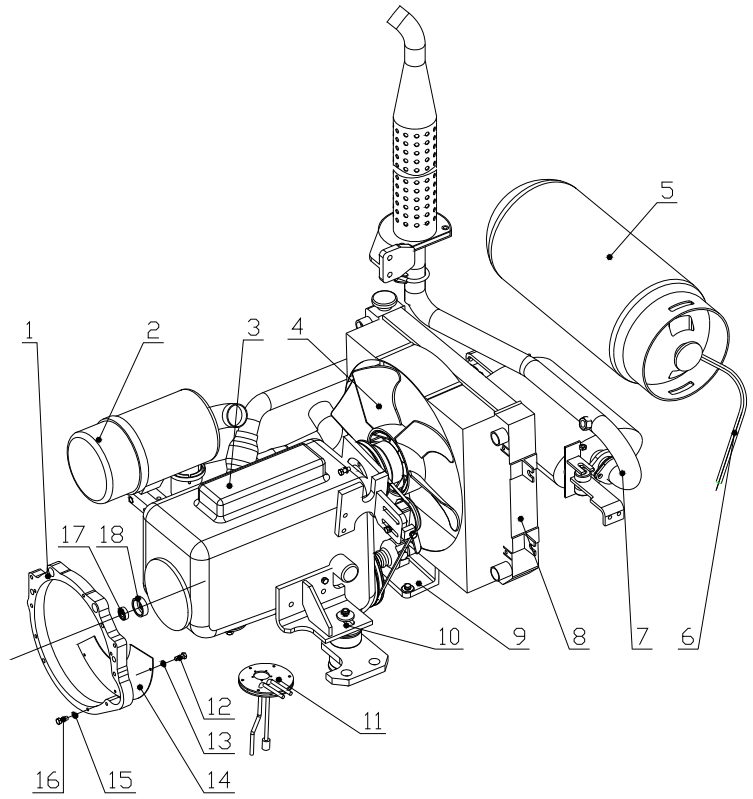


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000732	Flywheel housing	1	
2	66000613	Air intake system	1	N
3	66000039	Engine	1	
4	66000617	Fan and strap	1	N
5	66000836	LPG storage system	1	N
6	66000778	Fuel pipe	1	N
7	66000646	Exhaust system	1	N
8	66000801	Cooling system	1	N
9	66000640	Driving device, Gear pump	1	N
10	66000748	Engine mount	1	N
11	66000625	Fuel system	1	N
12	66000109	Bolt M6x12	3	
13	66000064	Washer 6	3	
14	66000734	Plate	1	
15	66000066	Washer 10	6	

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Fig.3 Power system

Ⓒ UT20/25P (GM 3.0)

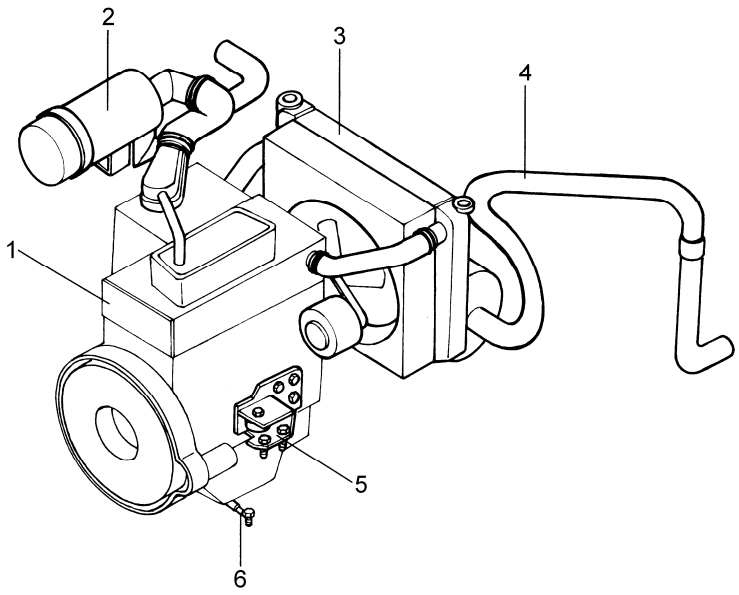


Item	Part No.	Description	Qty	Remarks Or Serial No.
16	66000730	Bolt	6	
17	66000042	Bearing 6202	1	
18	66000733	Bush	1	

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Fig.4 Power system

Ⓓ UT20/25P (K21 LPG) Ⓖ UT20/25P (K25 LPG)

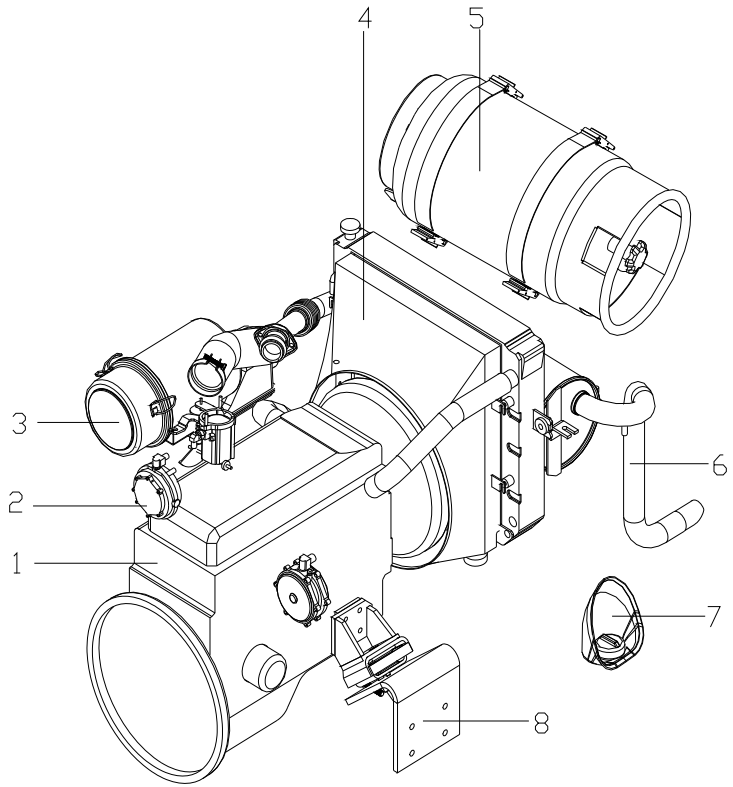


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000270	Engine	1	Ⓓ
-	66001066	Engine	1	Ⓖ
2	66000274	Air intake system	1	N
3	66000306	Cooling system	1	N
4	66000647	Exhaust system	1	N
5	66000588	Engine mount	1	N
6	66000808	Fuel system	1	N

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Fig.5 Power system

Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

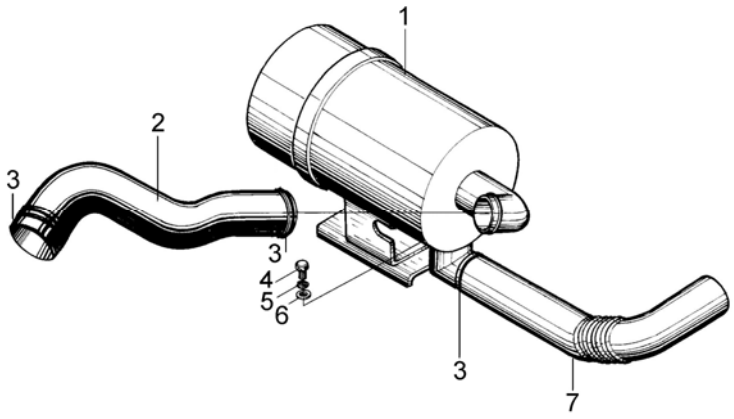


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000270	Engine	1	Ⓔ Ⓕ
-	66001066	Engine	1	Ⓗ Ⓘ
2	66000815	LPG fuel system	1	Ⓔ Ⓗ N
-	66000819	LPG fuel system	1	Ⓕ Ⓘ N
3	66000644	Air intake system	1	Ⓔ Ⓗ N
-	66000305	Air intake system	1	Ⓕ Ⓘ N
4	66000306	Cooling system	1	N
5	66000836	LPG storage system	1	N
6	66000647	Exhaust system	1	N
7	66000625	Fuel system	1	Ⓔ Ⓗ N
-	66000818	Fuel system	1	Ⓕ Ⓘ N
8	66000588	Engine mount	1	N

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Fig.6 Air intake system

Ⓐ UT20/25P (C240)

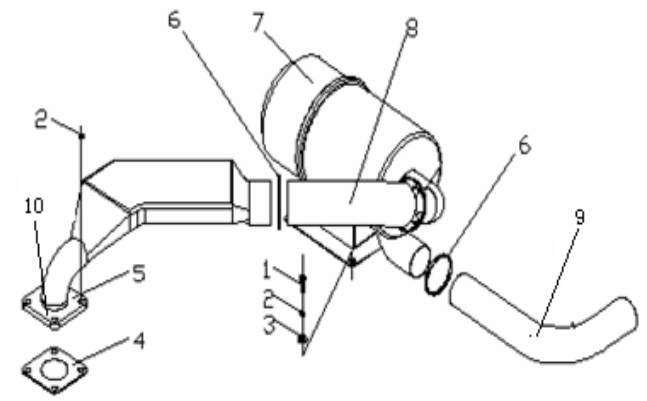


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000453	Air cleaner	1	Inc.1-1
1-1	66000844	Filter element	1	
2	66000353	Engine air intake pipe	1	
3	66000606	Clamp 76	3	
4	66000115	Bolt M8x16	2	
5	66000065	Washer 8	2	
6	66000163	Washer 8	2	
7	66000452	Air intake pipe	1	

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Fig.7 Air intake system

Ⓑ UT20/25P (4TNE92)

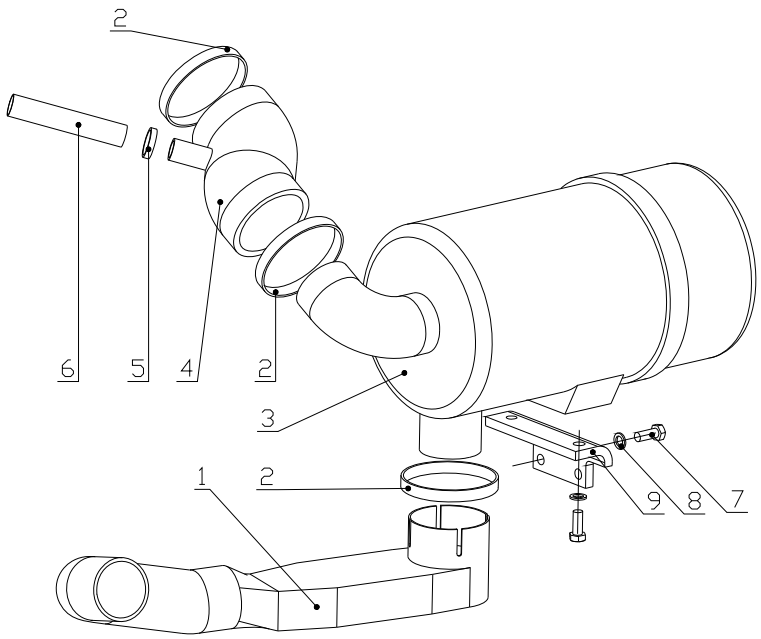


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000115	Bolt M8x16	4	
2	66000065	Washer 8	4	
3	66000163	Washer 8	4	
4	66000829	Shim	1	
5	66000830	Air intake pipe	1	
6	66000606	Clamp 76	3	
7	66000277	Air cleaner	1	Inc.7-1
7-1	66000844	Filter element	1	
8	66000789	Air intake pipe to engine	1	
9	66000452	Air intake pipe	1	
10	66000178	O-ring 73x3.55	1	

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Fig.8 Air intake system

Ⓒ UT20/25P (GM 3.0)

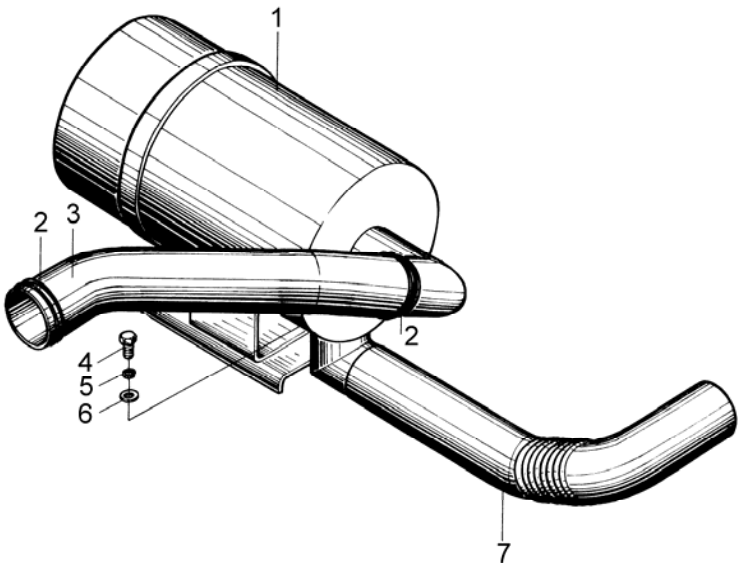


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000735	Air intake pipe	1	
2	66000606	Clamp 76	3	
3	66000771	Air cleaner	1	Inc.3-1
3-1	66000845	Filter element	1	
4	66000615	Engine air intake pipe	1	
5	66000597	Clamp 16	2	
6	66000614	Pipe DN16x4	1	
7	66000117	Bolt M8x20	4	
8	66000065	Washer 8	4	
9	66000772	Bracket	1	

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Fig.9 Air intake system

Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

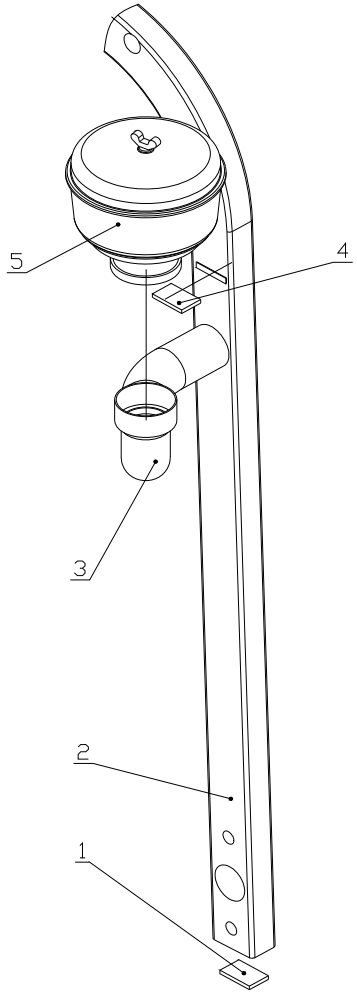


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000277	Air cleaner	1	Inc.1-1
1-1	66000844	Filter element	1	
2	66000606	Clamp 76	4	Ⓓ Ⓔ Ⓖ Ⓗ
-	66000605	Clamp 75	5	Ⓕ Ⓘ
3	66000645	Engine air intake pipe	1	Ⓓ Ⓔ Ⓖ Ⓗ
-	66000650	Engine air intake pipe	1	Ⓕ Ⓘ
-	66000817	Engine air intake pipe	1	Ⓕ Ⓘ
4	66000115	Bolt M8x16	2	
5	66000065	Washer 8	2	
6	66000163	Washer 8	2	
7	66000452	Air intake pipe	1	

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Fig.10 High air intake system

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

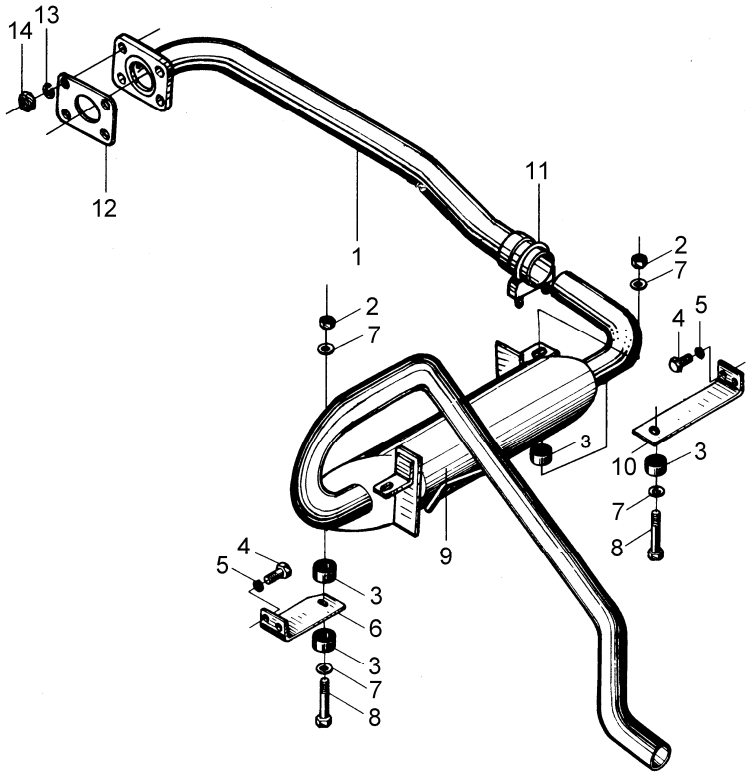


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000585	Cover	1	
2	66000720	Right pillar assy	1	
3	66000721	Pipe	1	
4	66000722	Plate	1	
5	66000269	Air cleaner	1	

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Fig.11 Exhaust system

Ⓐ UT20/25P (C240)

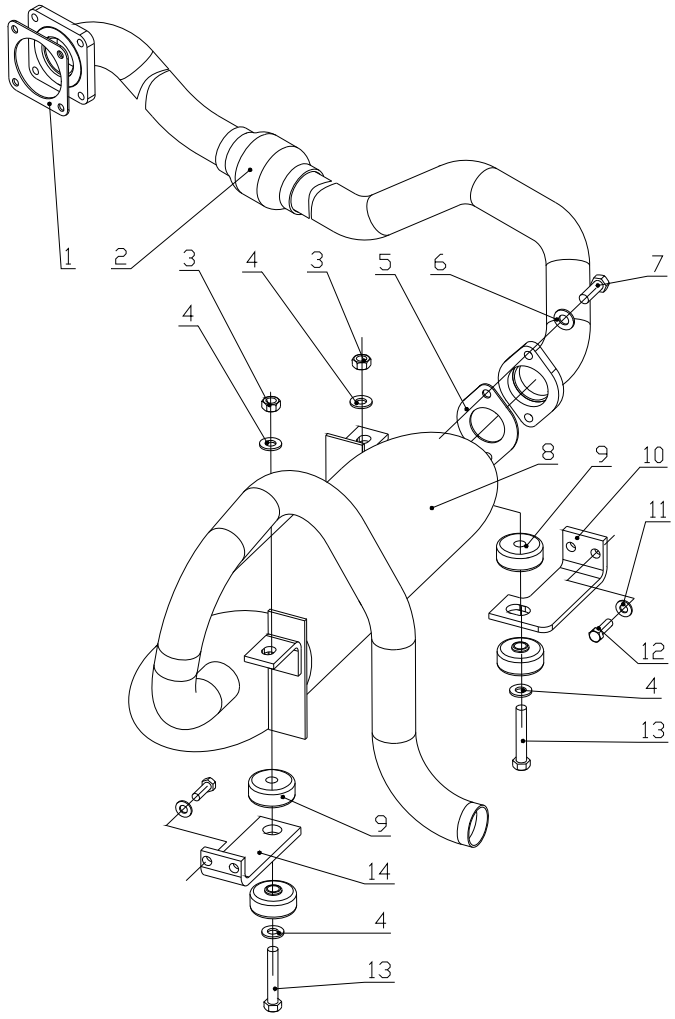


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000637	Exhaust pipe	1	
2	66000098	Nut M8	2	
3	66000454	Ringlike dampene	4	
4	66000133	Bolt M8x1x20	4	
5	66000065	Washer 8	4	
6	66000366	Muffler left bracket	1	
7	66000072	Washer 8	4	
8	66000107	Bolt M8x65	2	
9	66000638	Muffler assy	1	
10	66000651	Muffler right bracket	1	
11	66000595	Clamp	1	
12	66000354	Gasket	1	
13	66000066	Washer 10	4	
14	66000147	Nut M10	4	

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Fig.12 Exhaust system

Ⓑ UT20/25P (4TNE92)

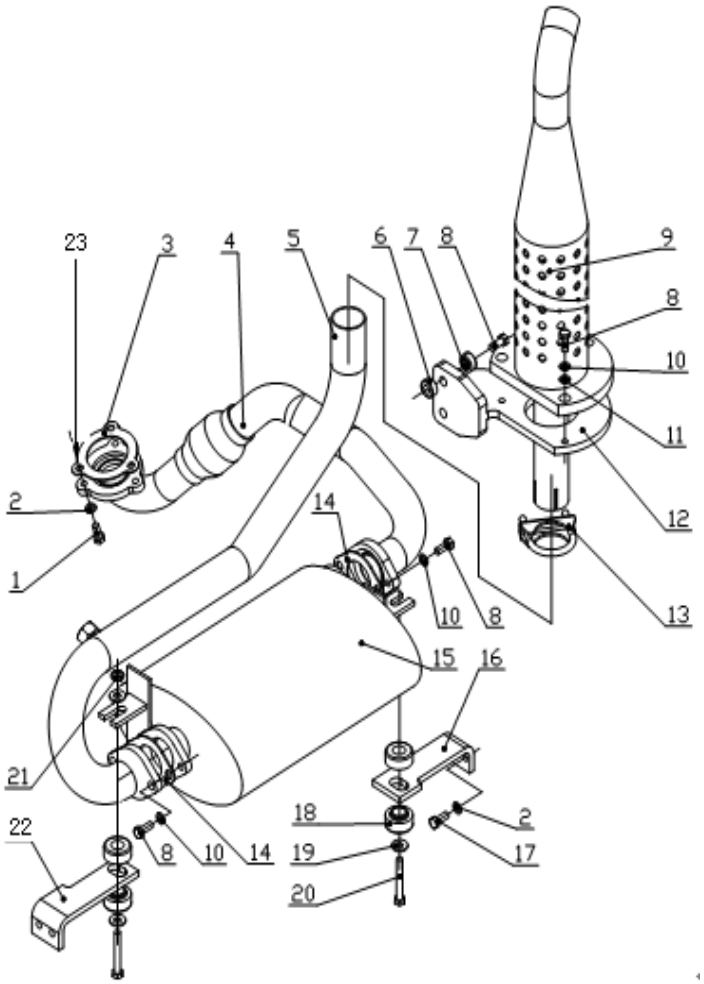


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000629	Seal gasket	1	
2	66000809	Exhaust pipe	1	
3	66000098	Nut M8	2	
4	66000072	Washer 8	4	
5	66000892	Gasket	1	
6	66000066	Washer 10	2	
7	66000125	Bolt M10x30	2	
8	66000649	Muffler assy	1	
9	66000454	Ringlike dampene	4	
10	66000651	Muffler right bracket	1	
11	66000065	Washer 8	4	
12	66000132	Bolt M8x1x20	4	
13	66000120	Bolt M8x65	2	
14	66000366	Muffler left bracket	1	

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Fig.13 Exhaust system

Ⓒ UT20/25P (GM 3.0)

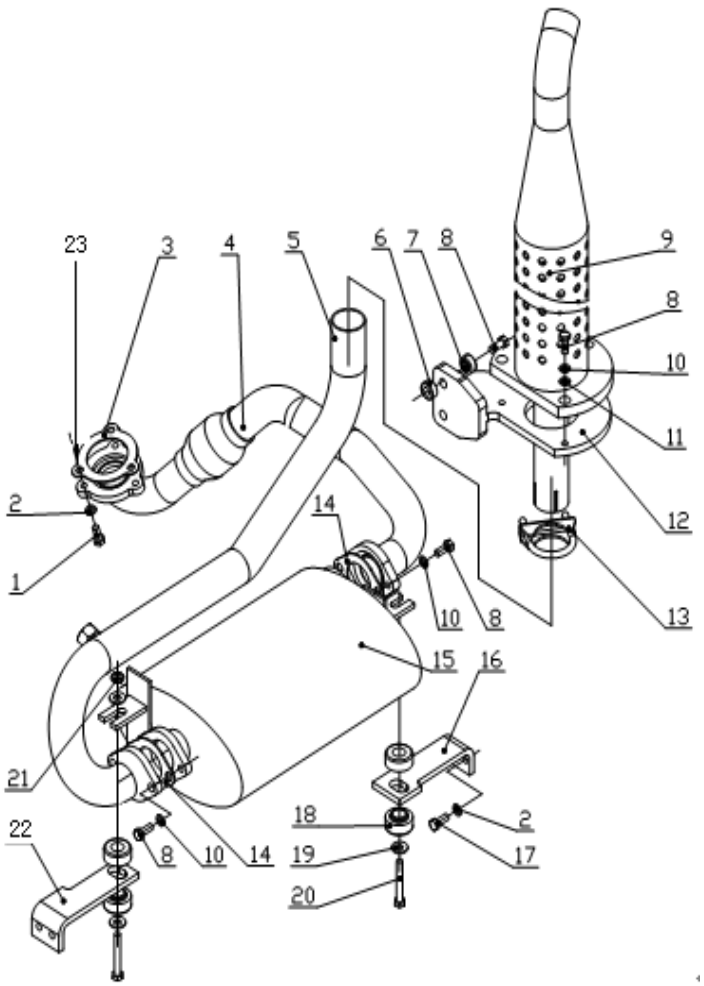


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000089	Bolt M8x32	3	
2	66000065	Washer 8	7	
3	66000773	Gasket	1	
4	66000777	Exhaust pipe	1	
5	66000643	Exhaust pipe	1	
6	66000623	Ringlike dampene	4	
7	66000624	Pipe	2	
8	66000125	Bolt M10x30	9	
9	66000631	Exhaust pipe	1	
10	66000066	Washer 10	7	
11	66000073	Washer 10	5	
12	66000040	Bracket	1	
13	66000738	Clamp	1	
14	66000774	Gasket	2	
15	66000616	Muffler assy	1	

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Fig.13 Exhaust system

Ⓒ UT20/25P (GM 3.0)

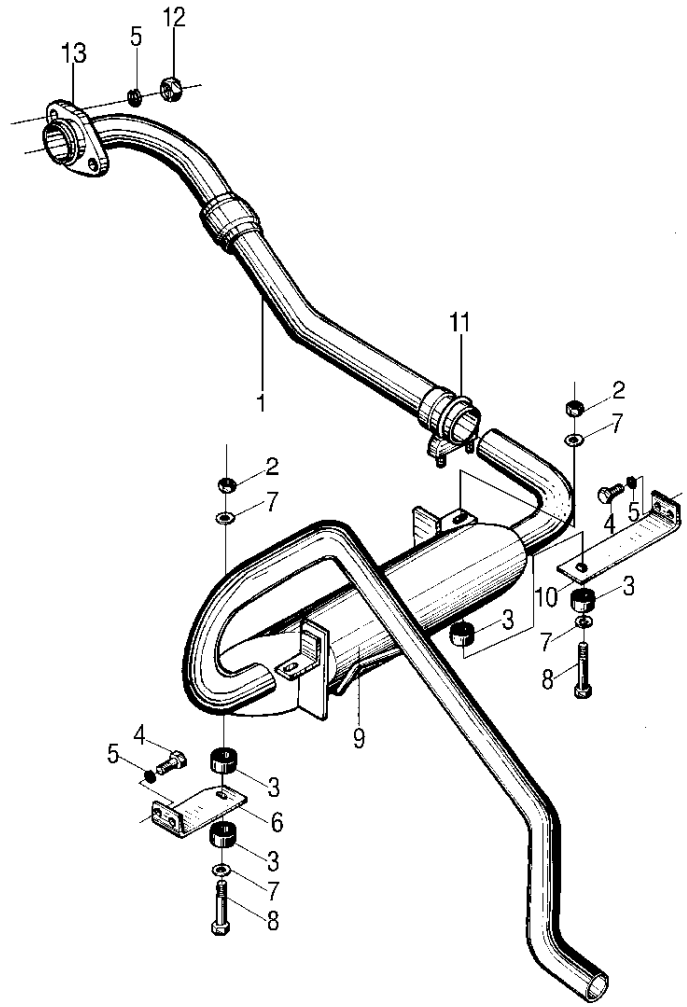


Item	Part No.	Description	Qty	Remarks Or Serial No.
16	66000775	Right bracket	1	
17	66000133	Bolt M8x1x20	4	
18	66000454	Ringlike dampener	4	
19	66000072	Washer 8	4	
20	66000120	Bolt M8x65	2	
21	66000098	Nut M8	2	
22	66000776	Left bracket	1	
23	66000146	Nut M8	3	

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Fig.14 Exhaust system

Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

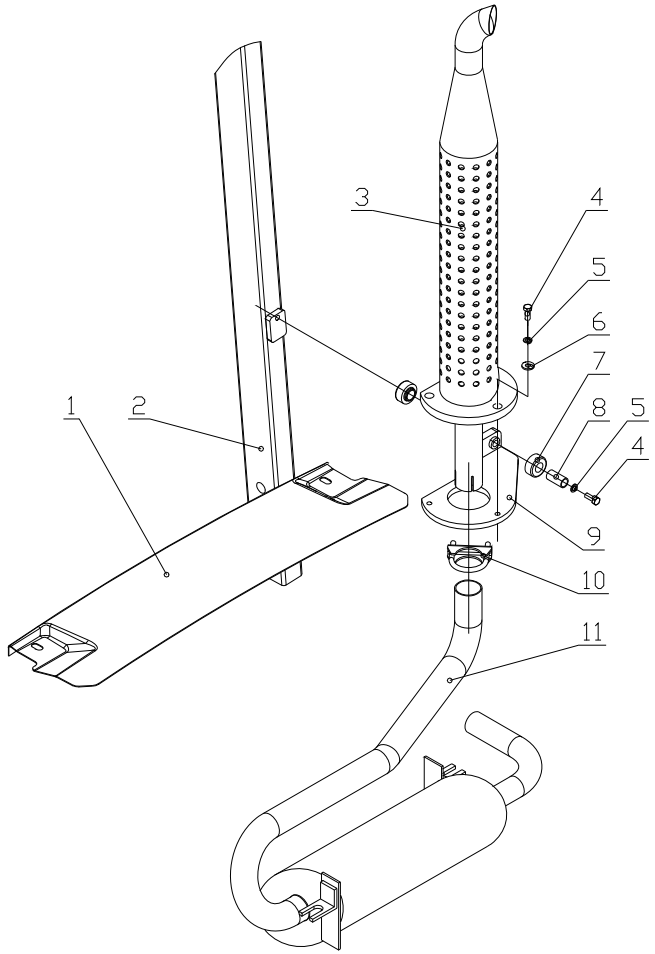


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000805	Exhaust pipe	1	
2	66000098	Nut M8	2	
3	66000454	Ringlike dampener	4	
4	66000132	Bolt M8x1x20	4	
5	66000065	Washer 8	6	
6	66000366	Muffler left bracket	1	
7	66000072	Washer 8	4	
8	66000107	Bolt M8x65	2	
9	66000638	Muffler assy	1	
10	66000651	Muffler right bracket	1	
11	66000595	Clamp	1	
12	66000146	Nut M8	2	

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Fig.15 High exhaust system

Ⓐ UT20/25P (C240) Ⓒ UT20/25P (GM 3.0) Ⓓ UT20/25P (K21 LPG)
Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y Ⓖ UT20/25P (K25 LPG)
Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

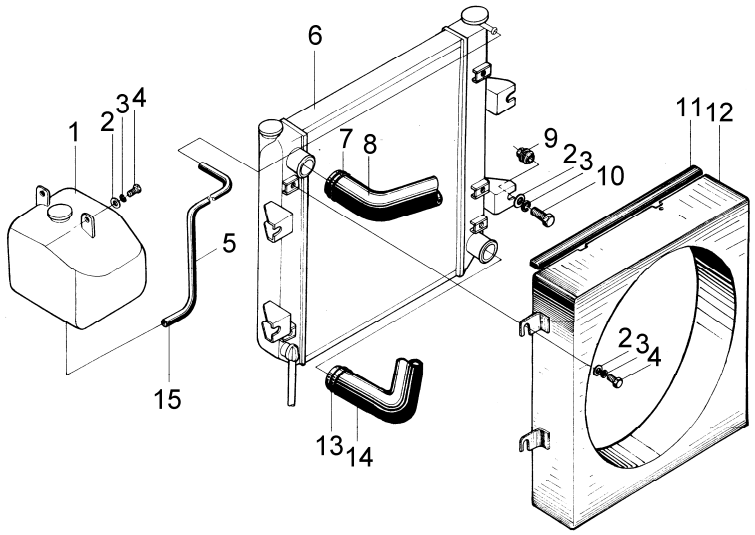


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000691	Radiator assy cover	1	
2	66000719	Right pillar assy	1	
3	66000631	Exhaust pipe	1	
4	66000125	Bolt M10x30	5	
5	66000066	Washer 10	5	
6	66000073	Washer 10	3	
7	66000623	Ringlike dampener	2	
8	66000624	Pipe	2	
9	66000737	Bracket	1	
10	66000788	Clamp	1	
11	66000639	Muffler assy	1	

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Fig.16 Cooling system

Ⓐ UT20/25P (C240)

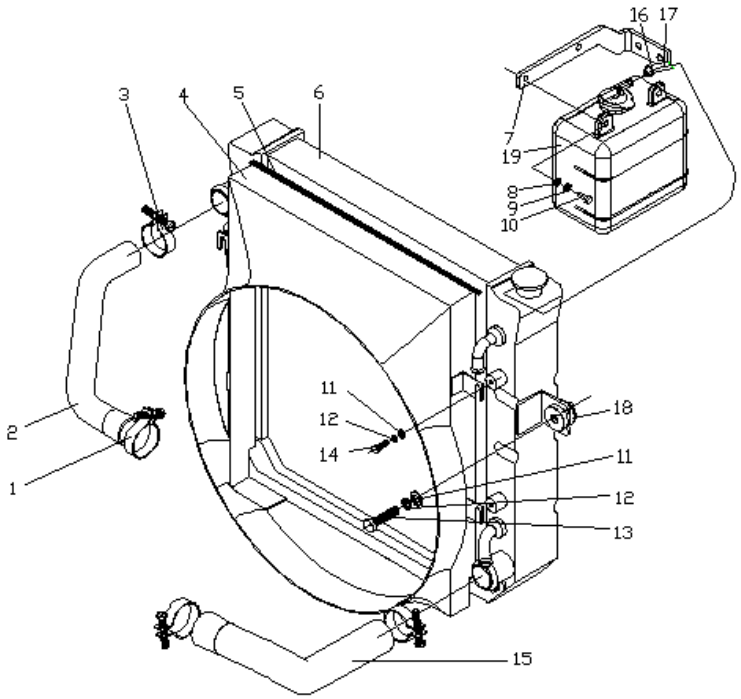


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000456	Expansion water box	1	
2	66000071	Washer 6	6	
3	66000064	Washer 6	10	
4	66000111	Bolt M6x18	6	
5	66000357	Rubber pipe Φ8xΦ12	1	
6	66000375	Radiator assy	1	
7	66000601	Clamp 42	1	
8	66000355	Rubber pipe for intake	1	
9	66000457	Cushion	4	
10	66000104	Bolt M6x30	4	
11	66000455	Seal strip	1	
12	66000358	Fan shroud assy	1	
13	66000602	Clamp 45	3	
14	66000356	Rubber pipe for outtake	1	
15	66000596	Clamp 12	1	

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Fig.17 Cooling system

Ⓑ UT20/25P (4TNE92)

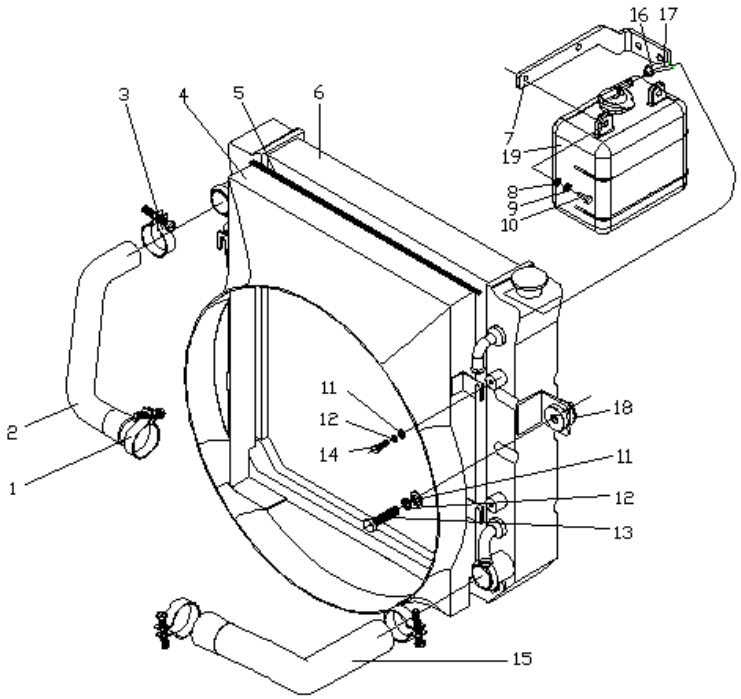


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000601	Clamp 42	1	
2	66000790	Rubber pipe for intake	1	
3	66000602	Clamp 45	3	
4	66000793	Fan shroud assy	1	
5	66000367	Seal strip	1	
6	66000792	Radiator assy	1	
7	66000279	Bracket	1	
8	66000072	Washer 8	2	
9	66000065	Washer 8	2	
10	66000117	Bolt M8x20	2	
11	66000071	Washer 6	8	
12	66000064	Washer 6	8	
13	66000112	Bolt M6x30	4	
14	66000111	Bolt M6x18	4	
15	66000791	Rubber pipe for outtake	1	

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Fig.17 Cooling system

Ⓑ UT20/25P (4TNE92)

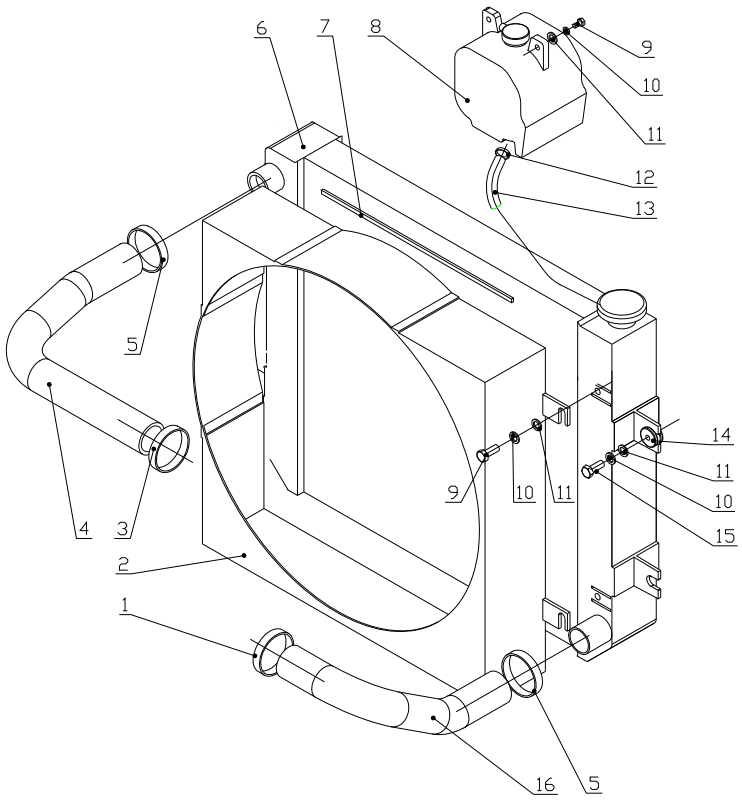


Item	Part No.	Description	Qty	Remarks Or Serial No.
16	66000596	Clamp 12	2	
17	66000357	Rubber pipe Φ8xΦ12	1	
18	66000457	Cushion	4	
19	66000832	Expansion water box	1	

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Fig.18 Cooling system

Ⓒ UT20/25P (GM 3.0)

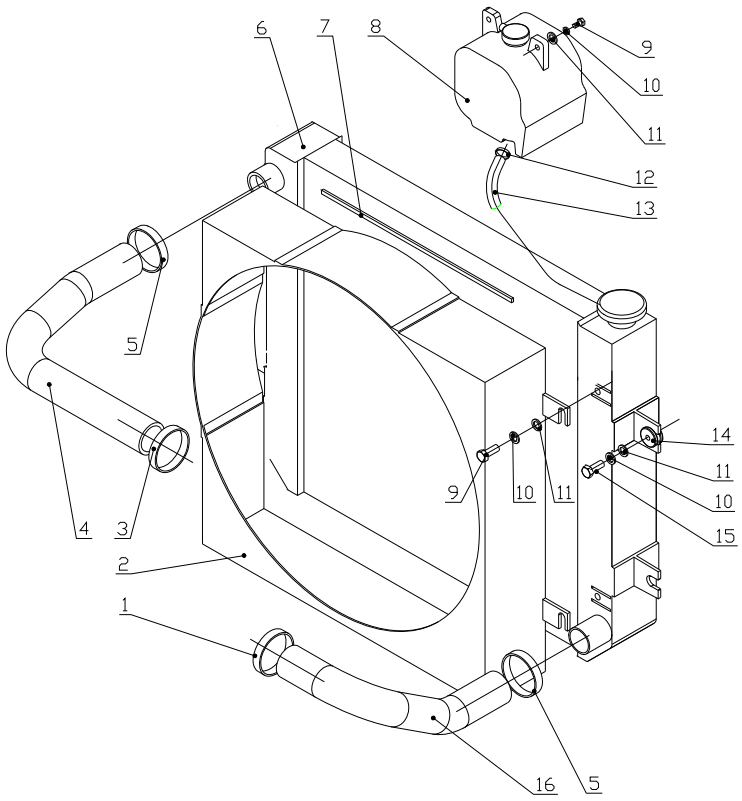


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000604	Clamp 56	1	
2	66000802	Fan shroud assy	1	
3	66000603	Clamp 50	1	
4	66000739	Outlet pipe	1	
5	66000602	Clamp 45	2	
6	66000375	Radiator assy	1	
7	66000455	Seal strip	1	
8	66000456	Expansion water box	1	
9	66000111	Bolt M6x18	4	
10	66000064	Washer 6	10	
11	66000071	Washer 6	10	
12	66000596	Clamp 12	2	
13	66000741	Pipe Φ8xΦ12	1	
14	66000457	Cushion	2	
15	66000104	Bolt M6x30	4	

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Fig.18 Cooling system

Ⓒ UT20/25P (GM 3.0)

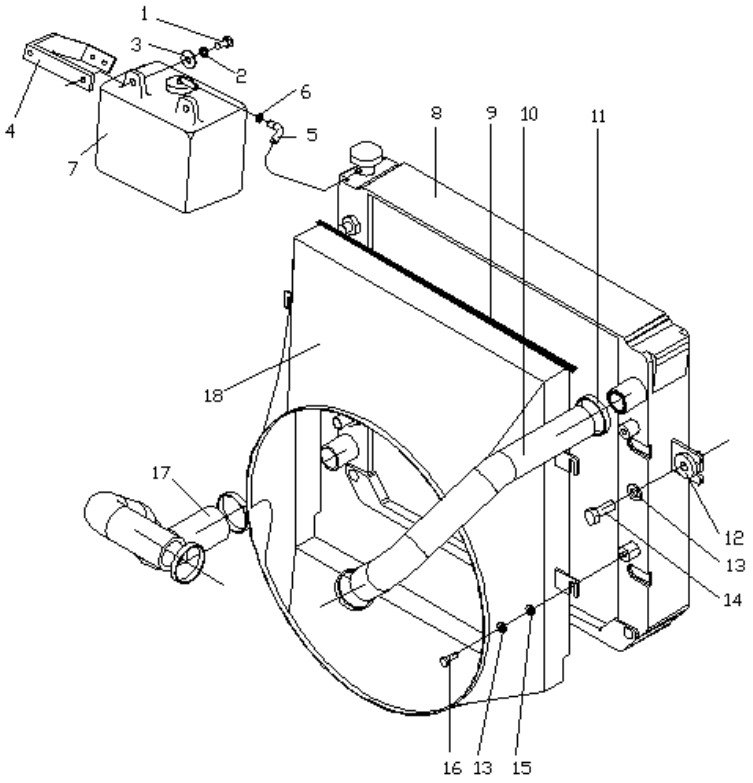


Item	Part No.	Description	Qty	Remarks Or Serial No.
16	66000740	Inlet pipe	1	

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Fig.19 Cooling system

Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

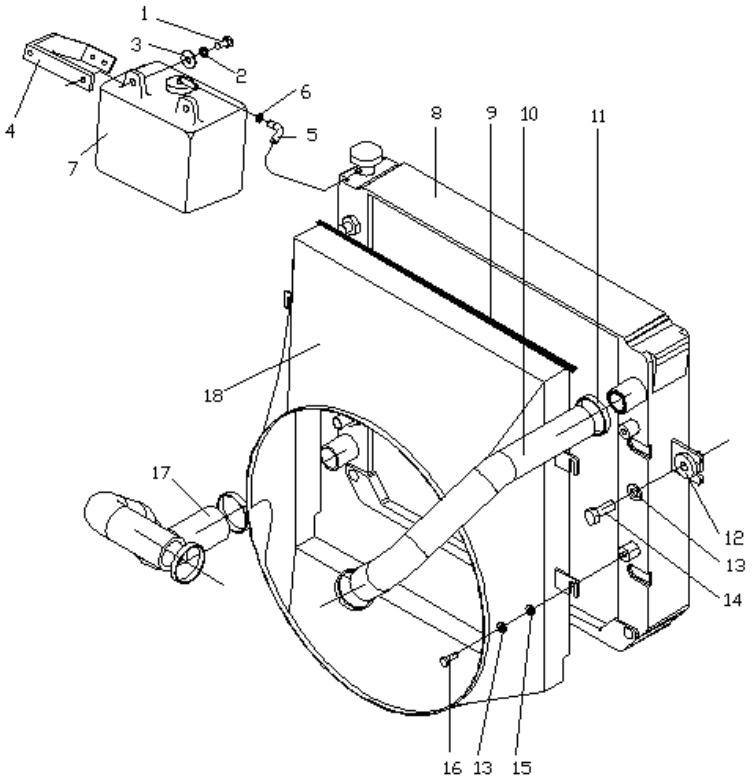


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000117	Bolt M8x20	4	
2	66000065	Washer 8	4	
3	66000072	Washer 8	2	
4	66000307	Bracket	1	
5	66000831	Rubber pipe Φ8xΦ12	1	
6	66000596	Clamp 12	1	
7	66000832	Expansion water box	1	
8	66000894	Radiator assy	1	
9	66000455	Seal strip	1	
10	66000785	Rubber pipe for intake	1	
11	66000602	Clamp 45	4	
12	66000457	Cushion	4	
13	66000064	Washer 6	8	
14	66000104	Bolt M6x30	4	
15	66000071	Washer 6	4	

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Fig.19 Cooling system

Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

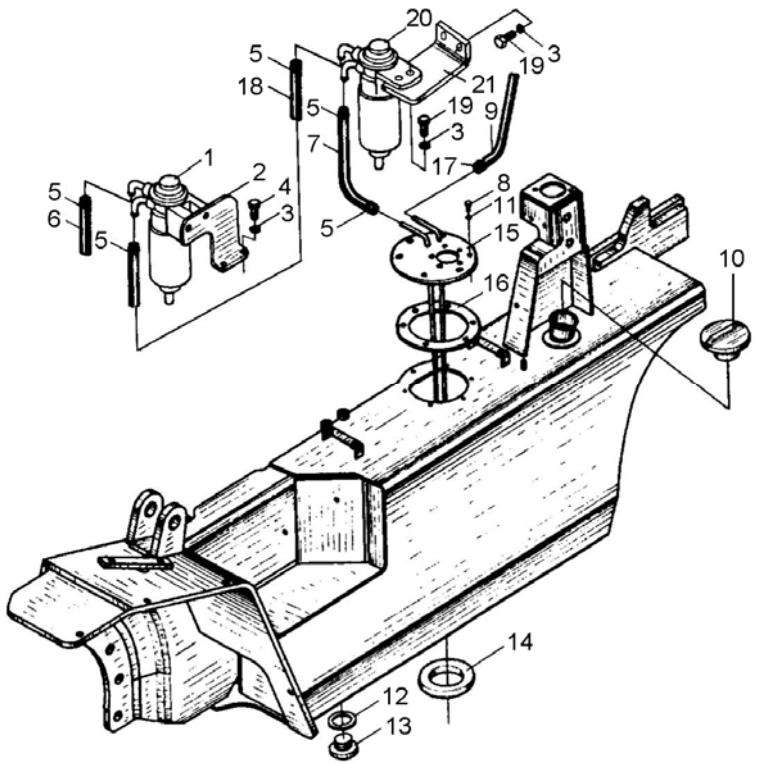


Item	Part No.	Description	Qty	Remarks Or Serial No.
16	66000111	Bolt M6x18	4	
17	66000786	Rubber pipe for outtake	1	
18	66000308	Fan shroud assy	1	

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Fig.20 Fuel system

Ⓐ UT20/25P (C240)

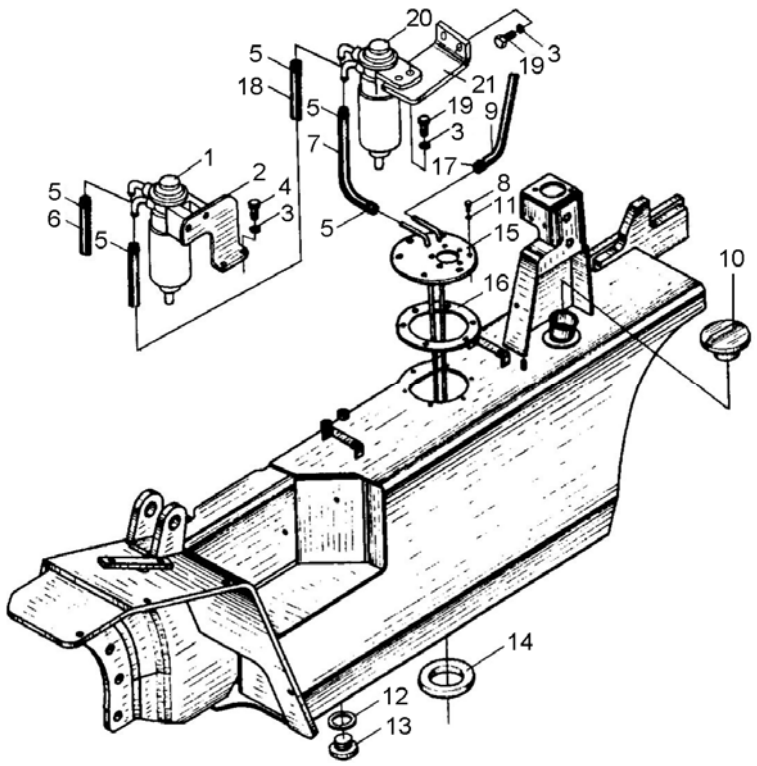


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000904	Fitter assy	1	
2	66000729	Bracket	1	
3	66000065	Washer 8	8	
4	66000117	Bolt M8x20	4	
5	66000598	Clamp 18	6	
6	66000726	Rubber pipe	1	
7	66000725	Rubber pipe	1	
8	66000110	Bolt M6x16	6	
9	66000727	Rubber pipe	2	
10	66000461	Cover of fuel case	1	
11	66000263	Washer 6	6	
12	66000267	Washer 24	1	
13	66000460	Pulg	2	
14	66000458	Ring magnetic iron	1	
15	66000804	Cover of fuel case	1	Inc.15-1

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Fig.20 Fuel system

Ⓐ UT20/25P (C240)

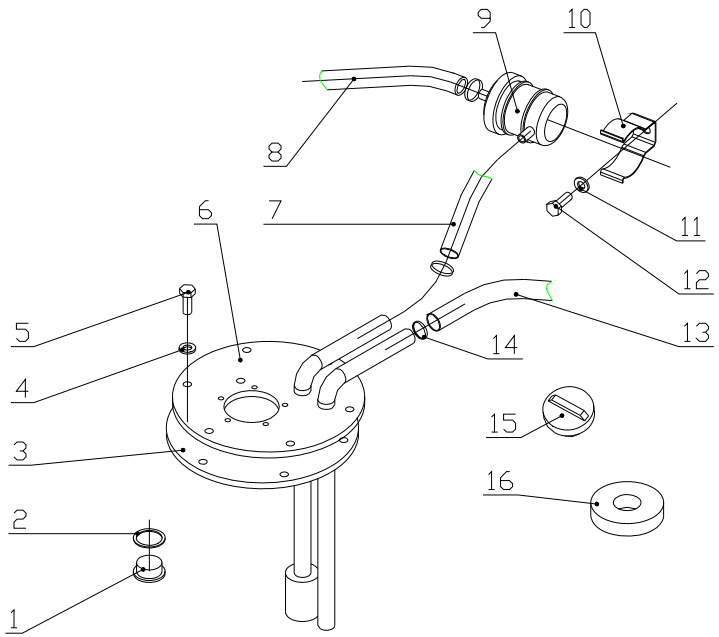


Item	Part No.	Description	Qty	Remarks Or Serial No.
15-1	66000893	Suction filter	1	
16	66000572	Pad	1	
17	66000597	Clamp 16	6	
18	66000728	Rubber pipe	1	
19	66000118	Bolt M8x25	2	
20	66000895	Oil-water separator	1	
21	66000803	Bracket	1	

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Fig.21 Fuel system

Ⓑ UT20/25P (4TNE92)

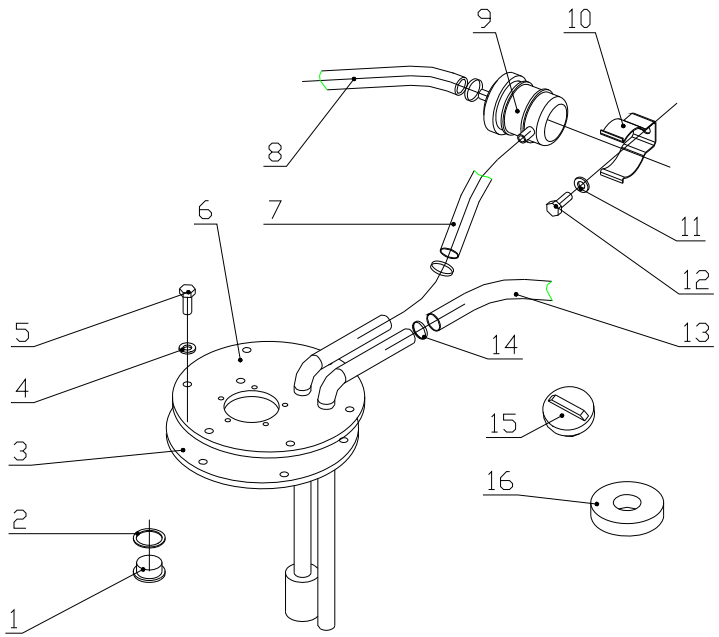


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000460	Pulg	1	
2	66000266	Washer 22	1	
3	66000572	Pad	1	
4	66000263	Washer 6	6	
5	66000110	Bolt M6x16	6	
6	66000686	Cover of fuel case	1	Inc.6-1
6-1	66000893	Suction filter	1	
7	66000796	Rubber pipe	1	
8	66000795	Rubber pipe	1	
9	66000839	Fuel separator	1	
10	66000855	Support	1	
11	66000114	Bolt M8x15	1	
12	66000065	Washer 8	1	
13	66000797	Rubber pipe	1	
14	66000598	Clamp 18	6	

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Fig.21 Fuel system

Ⓑ UT20/25P (4TNE92)

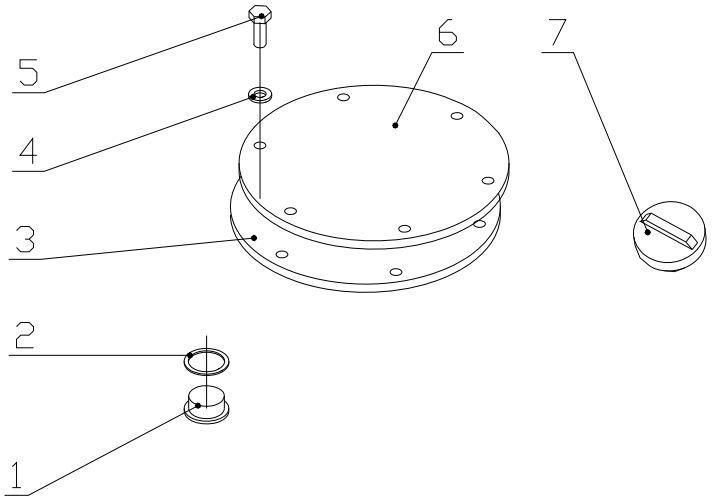


Item	Part No.	Description	Qty	Remarks Or Serial No.
15	66000461	Cover of fuel case	1	
16	66000458	Ring magnetic iron	1	

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Fig.22 Fuel system

Ⓒ UT20/25P (GM 3.0) Ⓔ UT20/25P (K21 GAS) Ⓗ UT20/25P (K25 GAS)

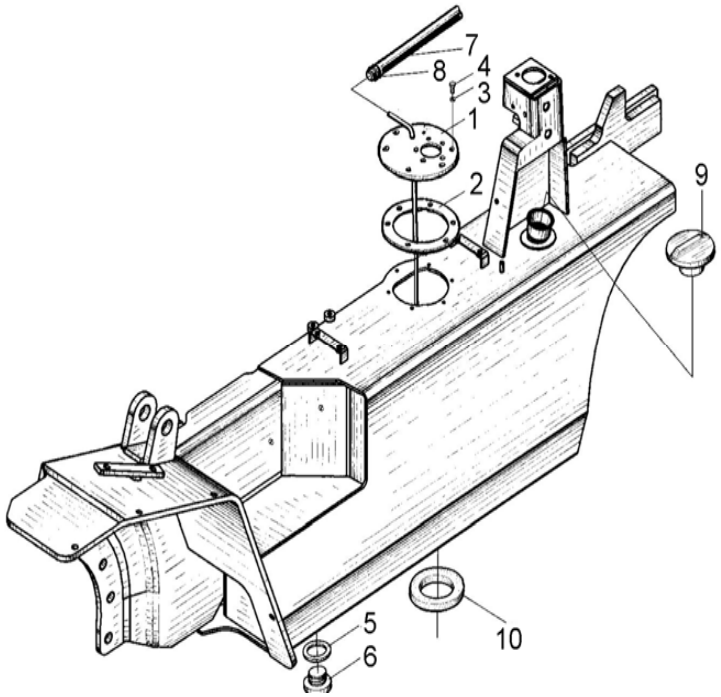


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000460	Pulg	1	
2	66000267	Washer 24	1	
3	66000572	Pad	1	
4	66000263	Washer 6	6	
5	66000110	Bolt M6x16	6	
6	66000626	Filter element	1	
7	66000461	Cover of fuel case	1	

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Fig.23 Fuel system

Ⓓ UT20/25P (K21 LPG) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓘ UT20/25P (K25 LPG)-Y

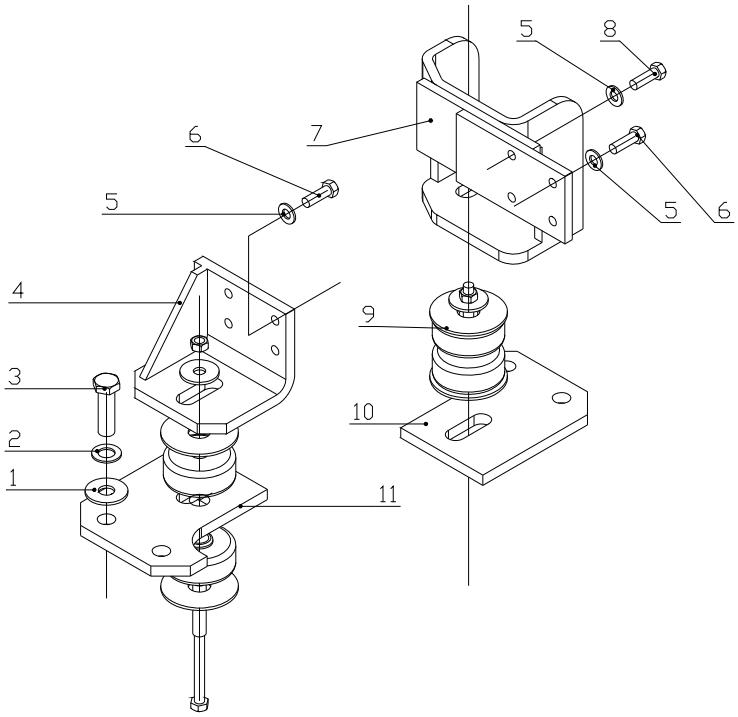


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000807	Cover of fuel case	1	Inc.1-1
1-1	66000893	Suction filter	1	
2	66000572	Pad	1	
3	66000263	Washer 6	6	
4	66000110	Bolt M6x16	6	
5	66000459	Washer	1	
6	66000460	Pulg	1	
7	66000806	Rubber pipe	1	
8	66000598	Clamp 18	2	
9	66000461	Cover of fuel case	1	
10	66000458	Ring magnetic iron	1	

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Fig.24 Engine mount

Ⓐ UT20/25P (C240)

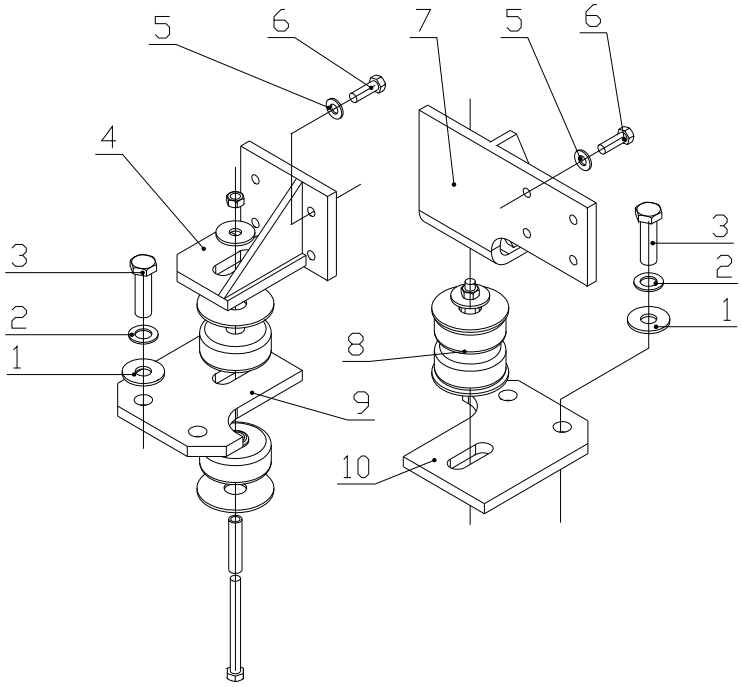


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000462	Washer	4	
2	66000075	Washer 16	4	
3	66000143	Bolt M16x1.5x55	4	
4	66000360	Engine left bracket	1	
5	66000066	Washer 10	8	
6	66000136	Bolt M10x1.25x30	6	
7	66000361	Engine right bracket	1	
8	66000138	Bolt M10x1.25x40	2	
9	66000370	Cushion assy	2	
10	66000369	Engine right mount plate	1	
11	66000368	Engine left mount plate	1	

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Fig.25 Engine mount

Ⓑ UT20/25P (4TNE92)

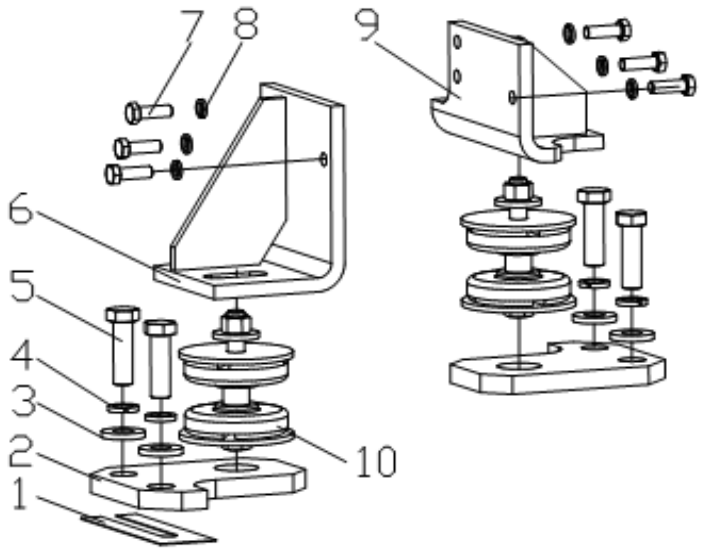


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000462	Washer	4	
2	66000069	Washer 16	4	
3	66000143	Bolt M16x1.5x55	4	
4	66000811	Engine left bracket	1	
5	66000066	Washer 10	8	
6	66000125	Bolt M10x30	8	
7	66000812	Engine right bracket	1	
8	66000370	Cushion assy	2	
9	66000368	Engine left mount plate	1	
10	66000369	Engine right mount plate	1	

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Fig.26 Engine mount

Ⓒ UT20/25P (GM 3.0)

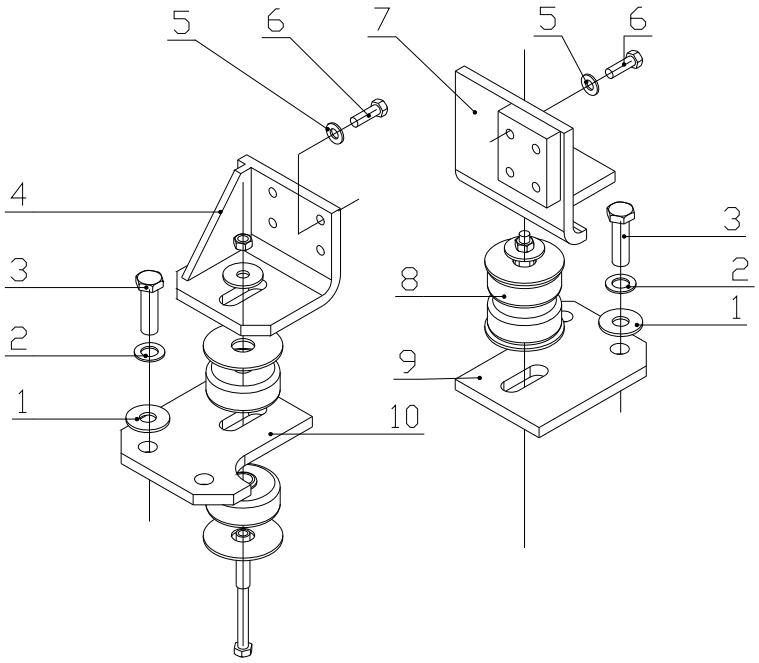


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000464	Washer	1	
2	66000463	Engine right mount plate	2	
3	66000462	Washer	4	
4	66000069	Washer 16	4	
5	66000142	Bolt M16x1.5x55	4	
6	66000749	Engine left bracket	1	
7	66000736	Bolt	6	
8	66000066	Washer 10	6	
9	66000750	Engine right bracket	1	
10	66000465	Cushion assy	2	

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Fig.27 Engine mount

Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

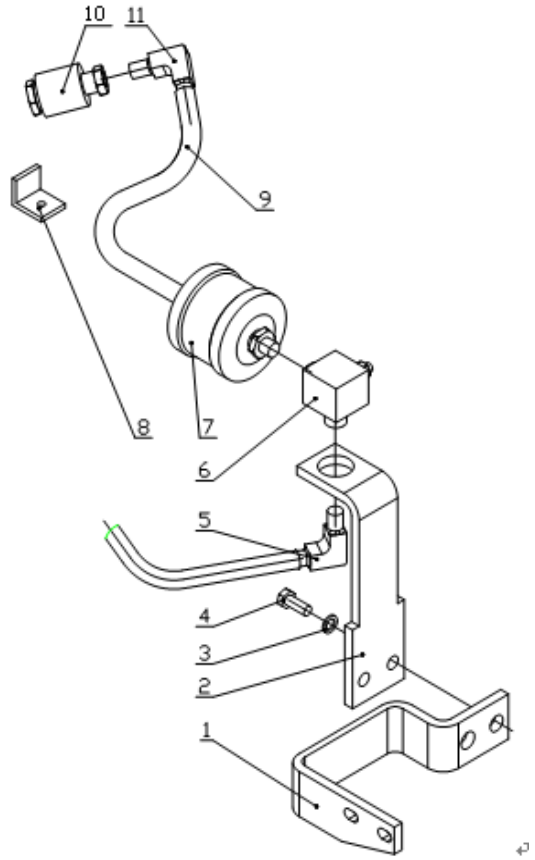


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000462	Washer	4	
2	66000069	Washer 16	4	
3	66000142	Bolt M16x1.5x55	4	
4	66000589	Engine left bracket	1	
5	66000066	Washer 10	8	
6	66000127	Bolt M10x45	8	
7	66000590	Engine right bracket	1	
8	66000370	Cushion assy	2	
9	66000369	Engine right mount plate	1	
10	66000368	Engine left mount plate	1	

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Fig.28 LPG pipeline system

Ⓒ UT20/25P (GM 3.0)

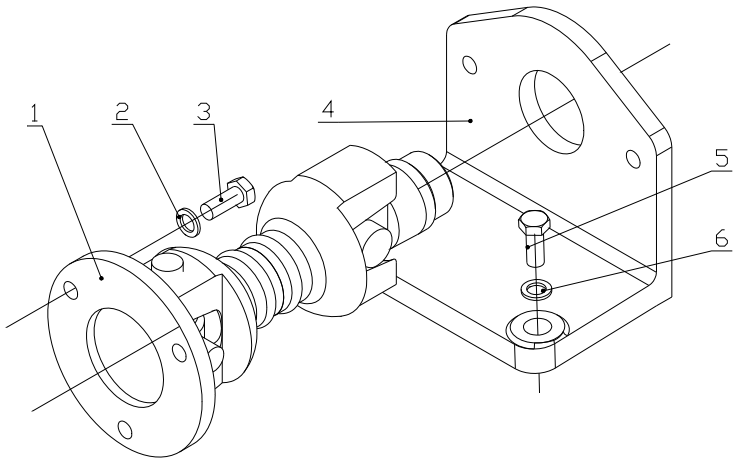


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000779	Support	1	
2	66000780	Support	1	
3	66000065	Washer 8	2	
4	66000117	Bolt M8x20	2	
5	66000745	Pipe	1	
6	66000746	Tri-connector	1	
7	66000781	Filter	1	
8	66000742	Support	1	
9	66000747	Pipe	1	
10	66000744	Connector	1	
11	66000743	Connector	1	

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Fig.29 Device for gear pump

Ⓒ UT20/25P (GM 3.0)

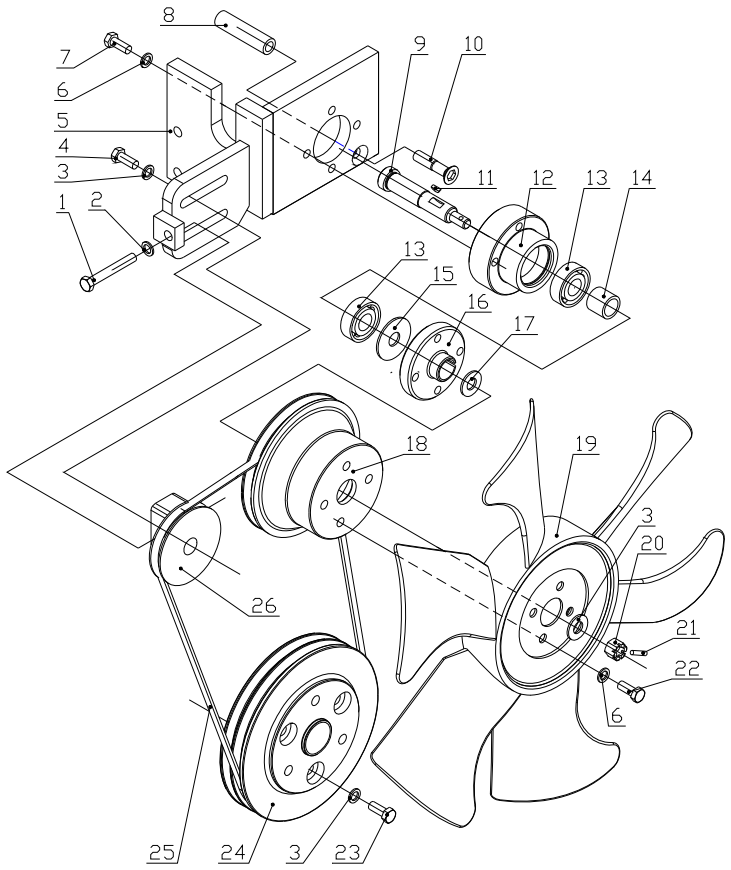


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000763	Transmission shaft	1	
2	66000065	Washer 8	3	
3	66000118	Bolt M8x25	3	
4	66000641	Support	1	
5	66000129	Bolt M12x30	2	
6	66000067	Washer 12	2	

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Fig.30 Device for fan belt

Ⓒ UT20/25P (GM 3.0)

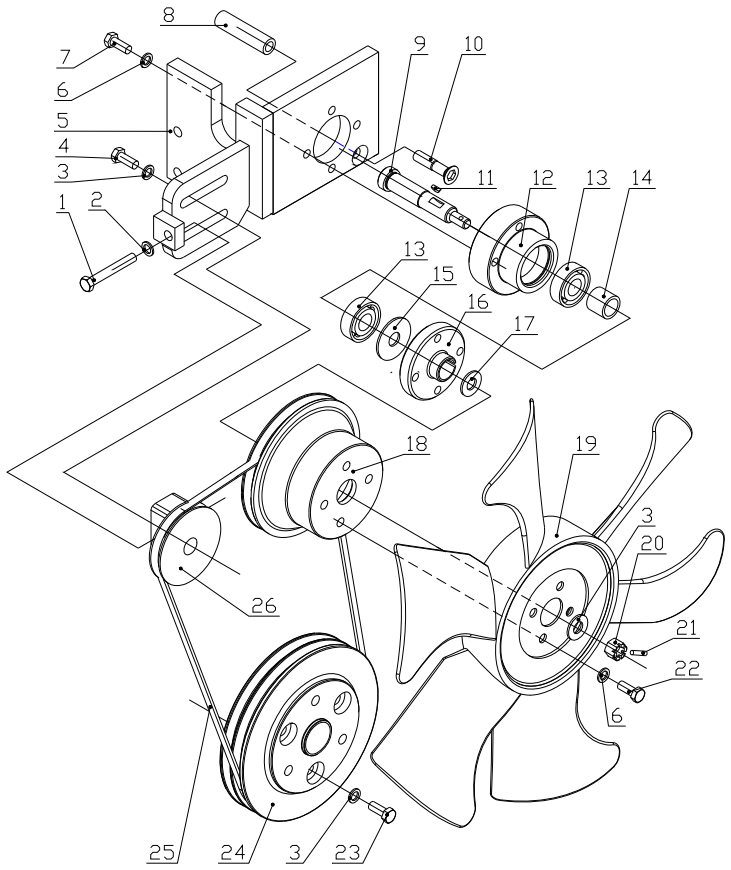


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000128	Bolt M10x100	1	
2	66000073	Washer 10	1	
3	66000066	Washer 10	6	
4	66000125	Bolt M10x30	2	
5	66000761	Support	1	
6	66000065	Washer 8	8	
7	66000106	Bolt M8x30	4	
8	66000752	Pipe	1	
9	66000758	Axes	1	
10	66000751	Bolt	1	
11	66000091	Key 5x19	1	
12	66000754	Seat	1	
13	66000079	Bearing 6203-Z	1	
14	66000755	Pipe	1	
15	66000172	Snap ring 40	1	

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Fig.30 Device for fan belt

Ⓒ UT20/25P (GM 3.0)



Item	Part No.	Description	Qty	Remarks Or Serial No.
16	66000756	Seat	1	
17	66000757	Washer	1	
18	66000753	Belt wheel,Fan	1	
19	66000627	Fan	1	
20	66000156	Nut M10	1	
21	66000057	Pin 2.5x20	1	
22	66000118	Bolt M8x25	4	
23	66000759	Bolt	3	
24	66000760	Belt wheel,Crank	1	
25	66000168	Belt AV10x1215	1	
26	66000762	Tensioning wheel	1	

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Part Ⅳ Body system contents

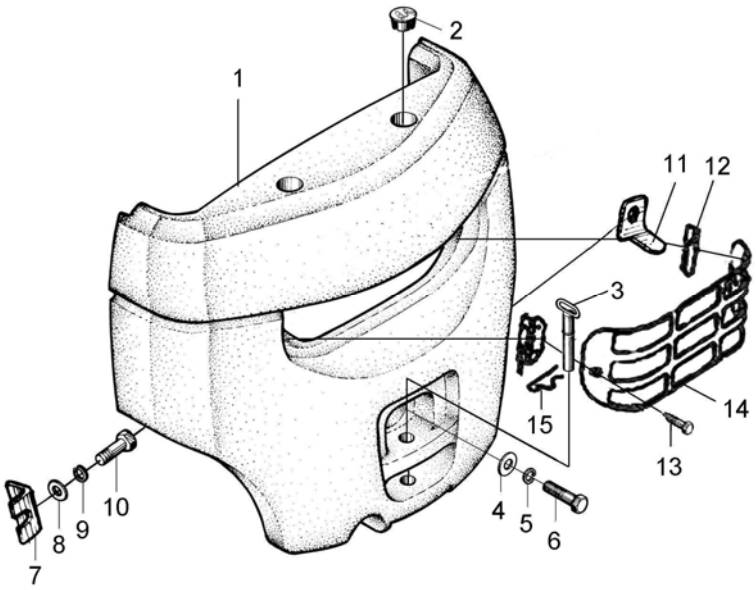
Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

Item	Description	Serial No.	Page
Fig.1	Counter balance assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	4-1
Fig.2	Nameplate	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	4-3
Fig.3	Seat assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	4-7
Fig.4	Body system	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	4-8
Fig.5	Instrument frame assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	4-10
Fig.6	Hood and floor board assy Ⅰ	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	4-11
Fig.7	Hood and floor board assy Ⅱ	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	4-16
Fig.8	Lock catch assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	4-17
Fig.9	Overhead guard	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	4-19

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Fig.1 Counter balance assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

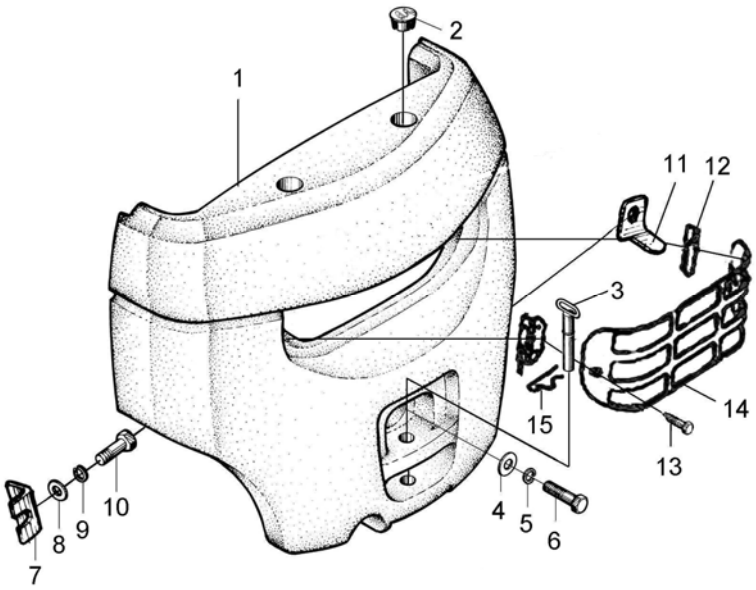


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000632	Counter balance	1	2t
-	66000634	Counter balance	1	2.5t
2	66000386	Plug	2	
3	66000391	Towing pin	1	
4	66000388	Washer	1	
5	66000158	Washer 30	1	
6	66000387	Bolt	1	
7	66000389	Adjust shim	8	
8	66000164	Washer 10	4	
9	66000066	Washer 10	4	
10	66000123	Bolt M10x20	4	
11	66000390	Adjust shim	3	
12	66000654	Bracket	2	
13	66000470	Screw assy	6	

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Fig.1 Counter balance assy

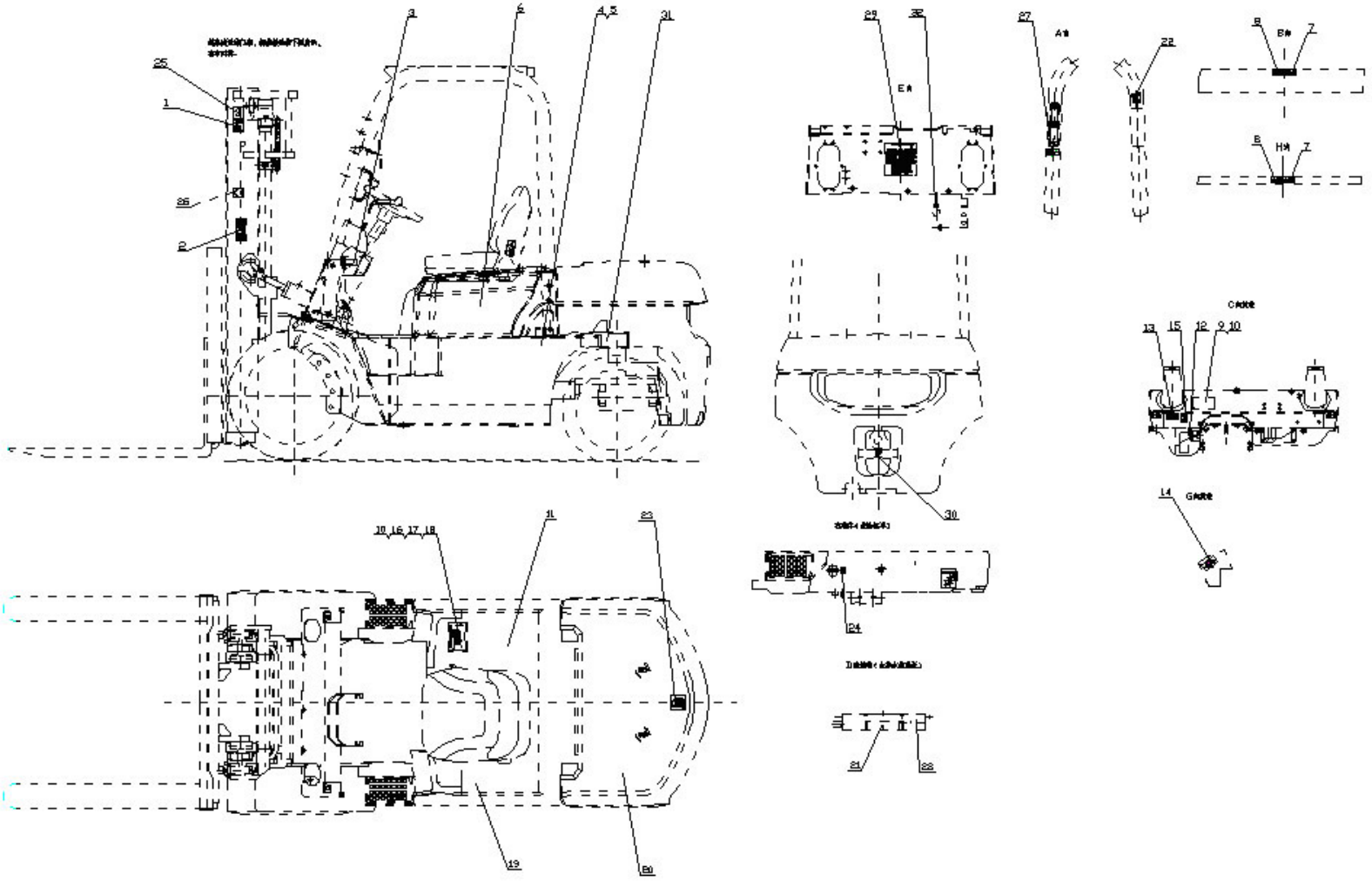
Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y



Item	Part No.	Description	Qty	Remarks Or Serial No.
14	66000652	Counter balance net cover	1	low order/high order exhaust
-	66000653	Counter balance net cover	1	middle order exhaust
15	66000828	Lock pin	1	

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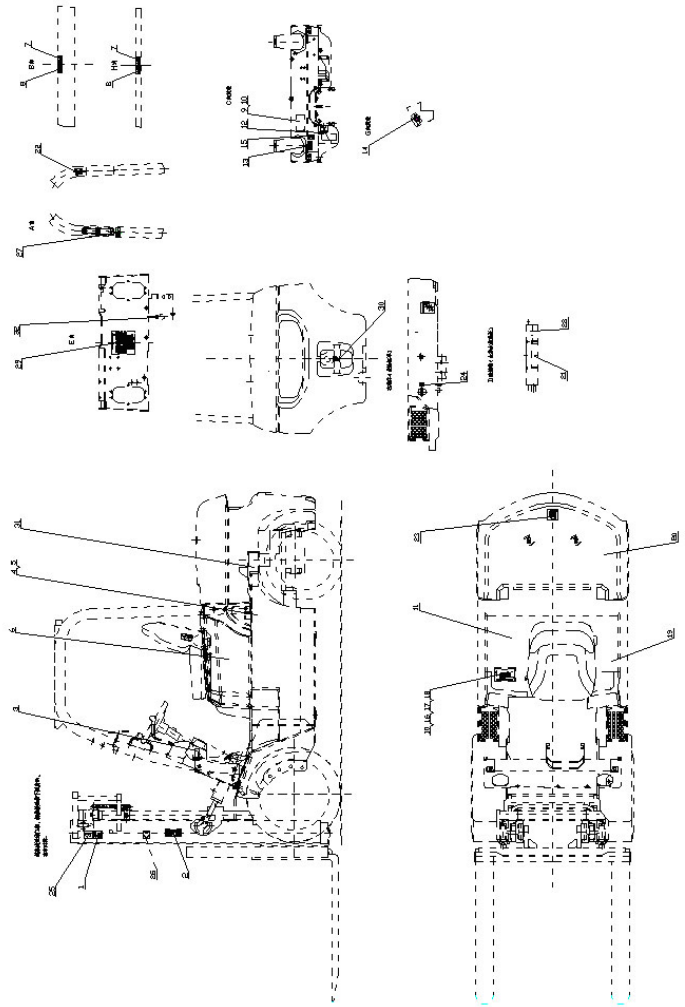
Fig.2 Nameplate	Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0) Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y



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Fig.2 Nameplate

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

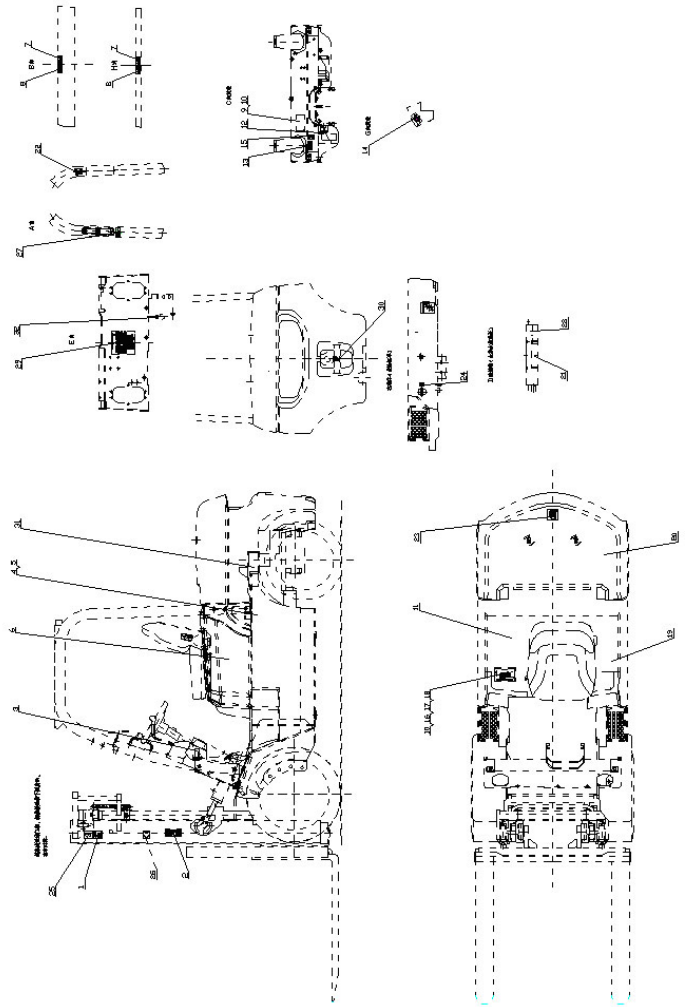


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000665	Lift nameplate	1	
2	66000674	Dangerous nameplate	2	
3	66000656	Fuse nameplate	1	
4	66000672	Diesel oil nameplate	1	Diesel forklift
5	66000657	Gasoline nameplate	1	Gasoline&CNG forklift
6	66000633	Ton nameplate	2	2.0t
-	66000635	Ton nameplate	2	2.5t
7	66000675	Dangerous nameplate	2	
8	66000676	Dangerous nameplate	2	
9	66000272	Product nameplate	1	2.0t
-	66000275	Product nameplate	1	2.5t
10	66000167	Rivet 4x10	8	
11	66000671	Safe belt nameplate	1	
12	66000392	Shift nameplate	1	
13	66000658	Operation nameplate	1	

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Fig.2 Nameplate

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

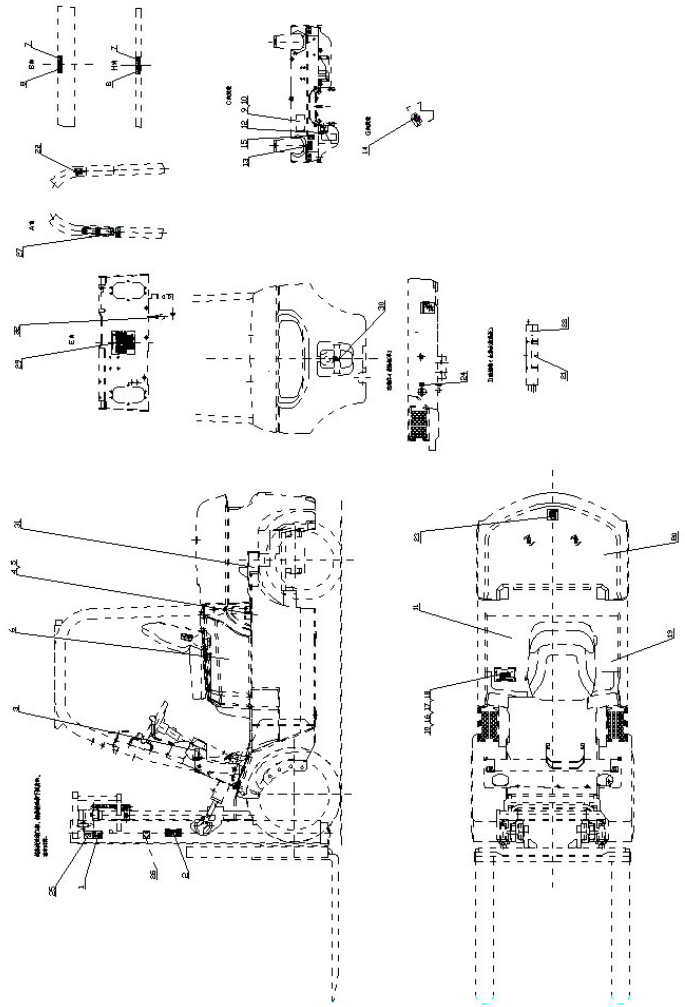


Item	Part No.	Description	Qty	Remarks Or Serial No.
14	66000673	Emergency stop nameplate	1	
15	66000667	Brake nameplate	1	
16	66000320	Load nameplate	1	2.0t
-	66000323	Load nameplate	1	2.5t
17	66000321	Load nameplate	1	2.0t
-	66000324	Load nameplate	1	2.5t
18	66000322	Load nameplate	1	2.0t
-	66000325	Load nameplate	1	2.5t
19	66000659	Warn nameplate	1	
20	66000655	Color nameplate	1	
21	66000677	Hand cut risk label	1	
22	66000660	Noise nameplate	1	
23	66000669	LPG nameplate	1	For Have LPG storage tank
24	66000661	Hydraulic oil nameplate	1	
25	66000678	Lift nameplate	2	

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Fig.2 Nameplate

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

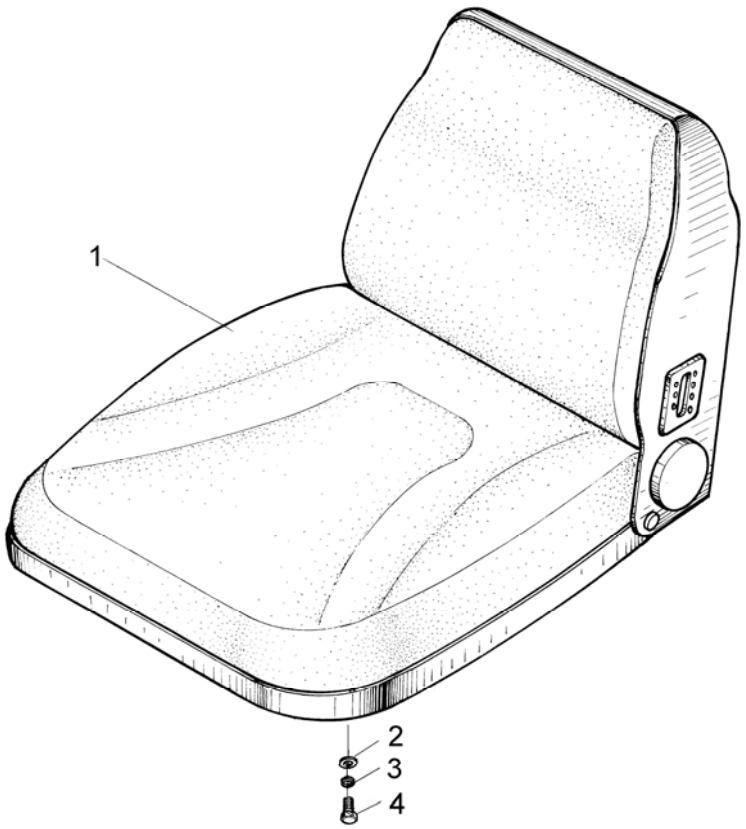


Item	Part No.	Description	Qty	Remarks Or Serial No.
26	66000662	CE nameplate	2	
27	66000663	No swashing nameplate	1	
28	66000664	Antifreeze nameplate	1	
29	66000666	Lubrication nameplate	1	
30	66000668	Tie downpoint nameplate	1	
31	66000592	Tire pressure namepalte	1	
32	66000670	Speaker nameplate	1	

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Fig.3 Seat assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

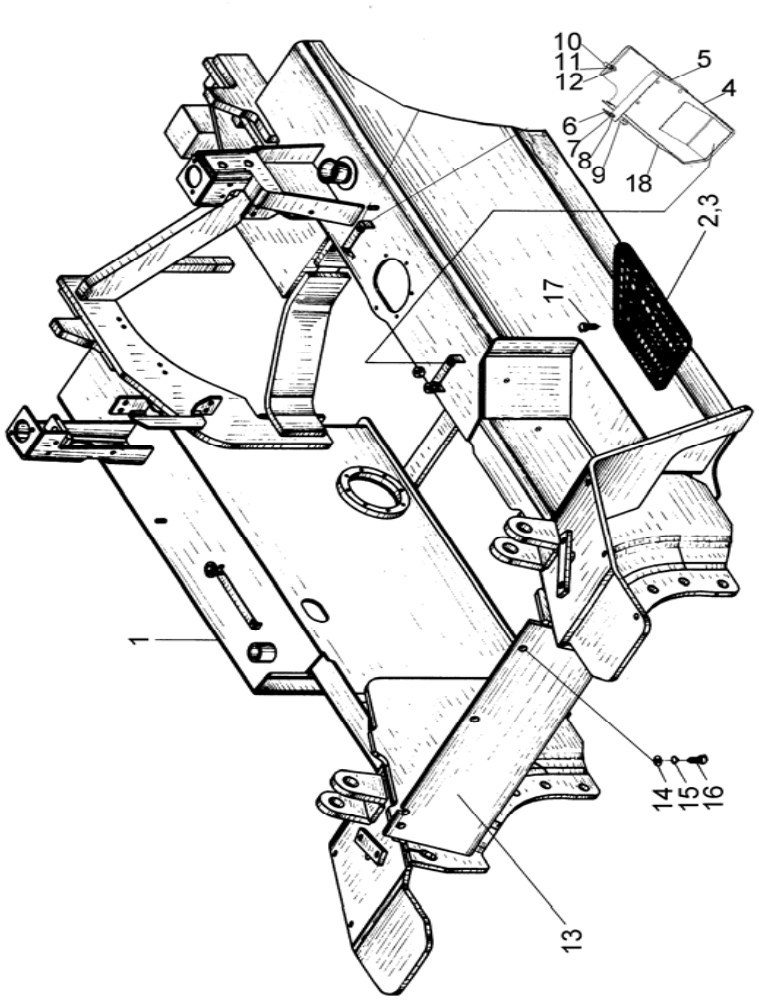


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000679	Seat	1	
2	66000146	Nut M8	4	
3	66000065	Washer 8	4	
4	66000163	Washer 8	4	

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Fig.4 Body system

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

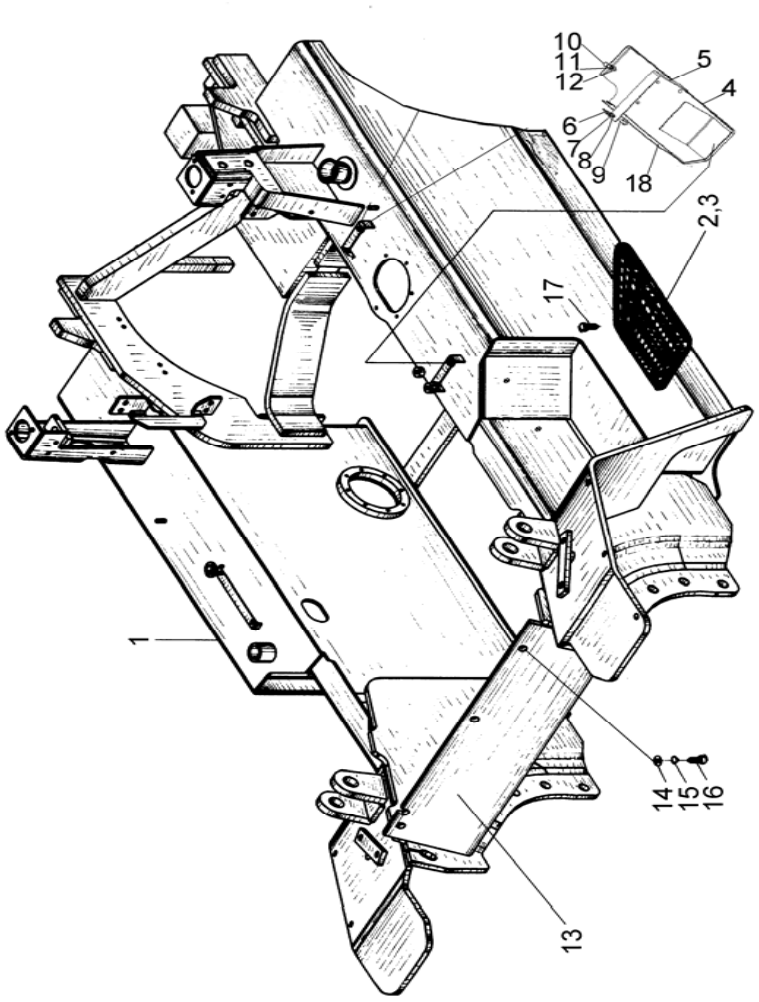


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000280	Frame	1	Ⓐ Ⓑ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ
-	66000273	Frame	1	Ⓒ
A1	66000620	Pedal assy	1	Inc.2,3,17
2	66000621	Left pedal	1	
3	66000622	Right pedal	1	
A2	66000287	Battery box assy	1	Inc.4-12
4	66000291	Battery box bracket	1	
5	66000290	Plate	1	
6	66000049	Nut M6	1	
7	66000064	Washer 6	1	
8	66001064	Washer 6	1	
9	66000288	Pull rod	2	
10	66000117	Bolt M8x20	3	
11	66000065	Washer 8	3	
12	66000163	Washer 8	3	

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Fig.4 Body system

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

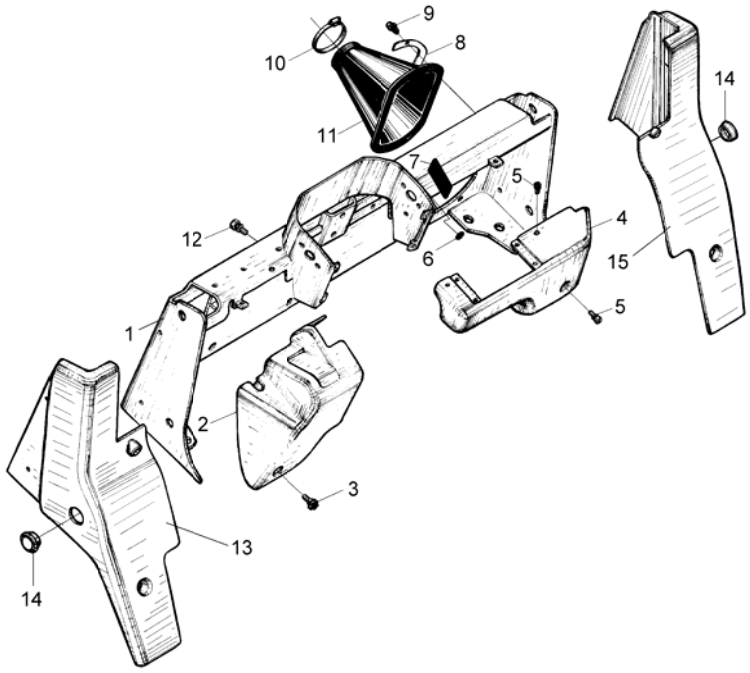


Item	Part No.	Description	Qty	Remarks Or Serial No.
13	66000628	Beam assy	1	
14	66000129	Bolt M12x30	6	
15	66000067	Washer 12	6	
16	66000074	Washer 12	6	
17	66000180	Bolt M8x16	6	
18	66000289	Insulation pad	1	

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Fig.5 Instrument frame assy

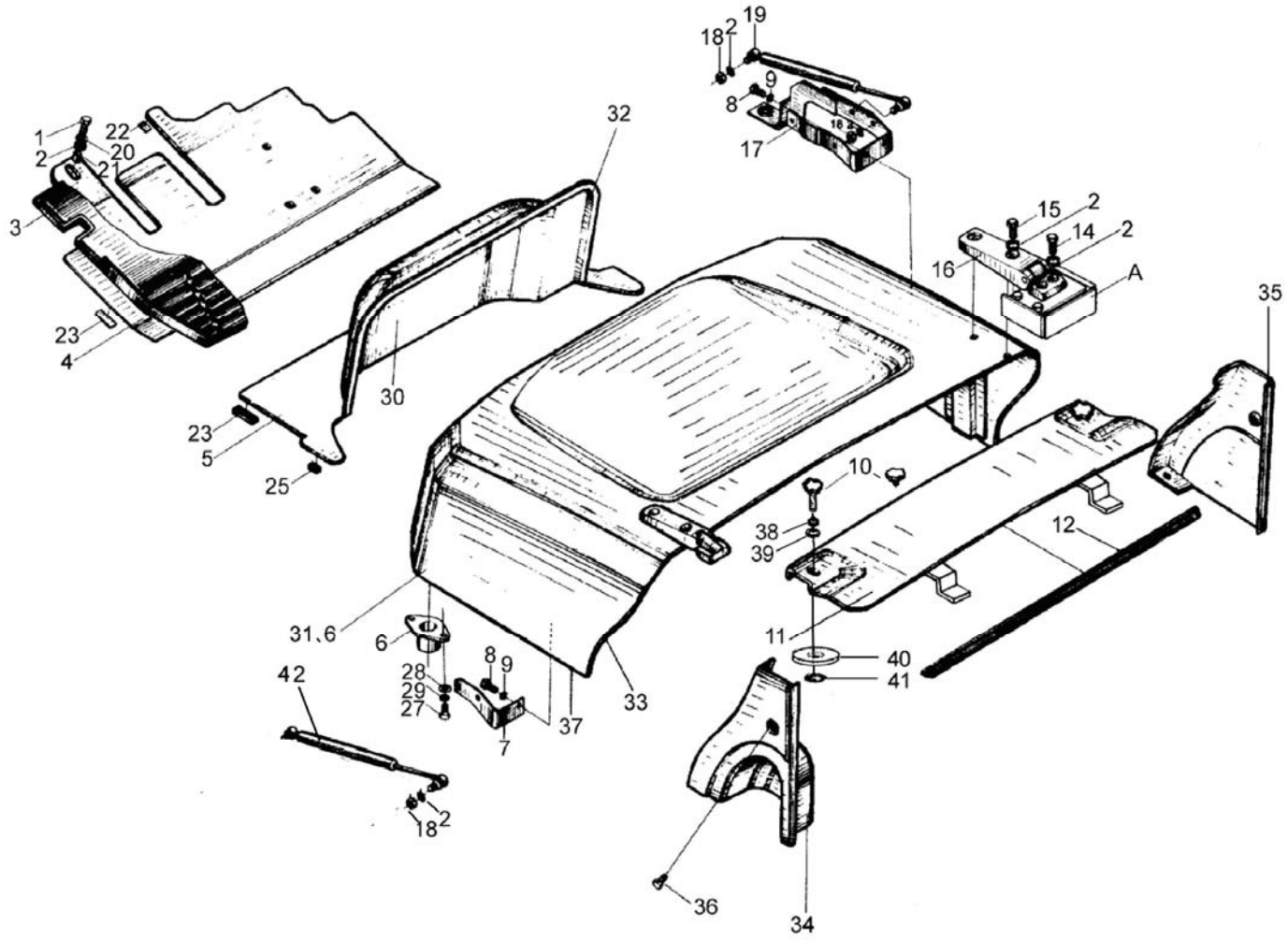
Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y



Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000282	Instrument frame	1	
2	66000281	Left cover	1	
3	66000472	Screw assy	1	
4	66000687	Right cover	1	
5	66000470	Screw assy	11	
6	66000469	Circular seal	2	
7	66000468	Rectangular seal	1	
8	66000467	Pressure plate	4	
9	66000531	Fastener	12	
10	66000471	Clamp	2	
11	66000466	Dustproof hood	2	
12	66000473	Bolt assy	7	
13	66000689	Left front hood	1	
14	66000582	Rubber plug	2	
15	66000688	Right front hood	1	

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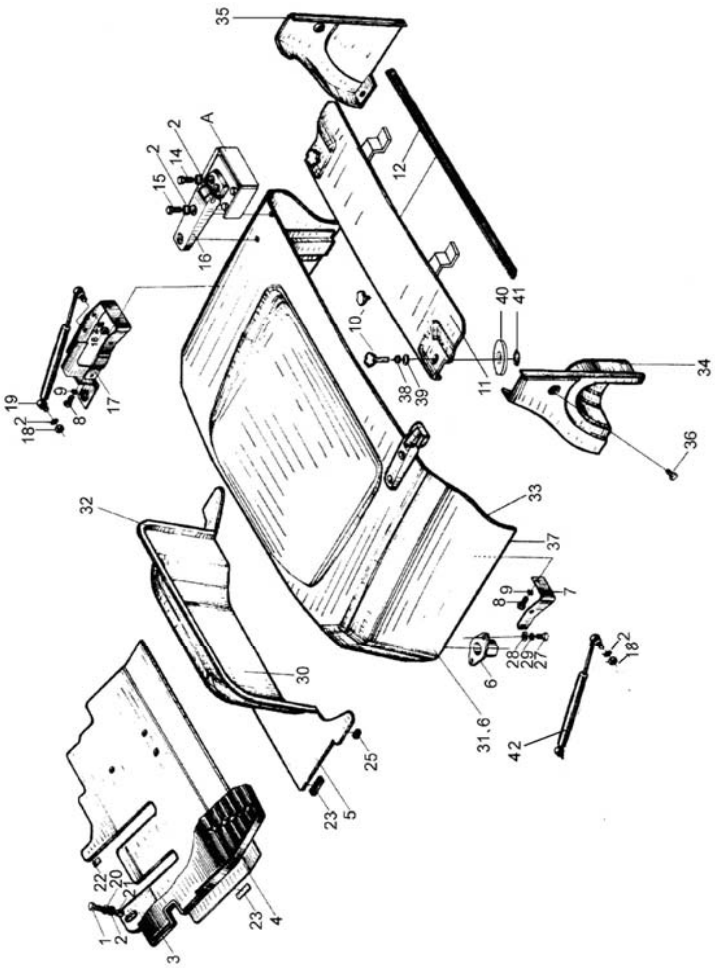
Fig.6 Hood and floor board assy □	Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0) Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y



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Fig.6 Hood and floor board assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

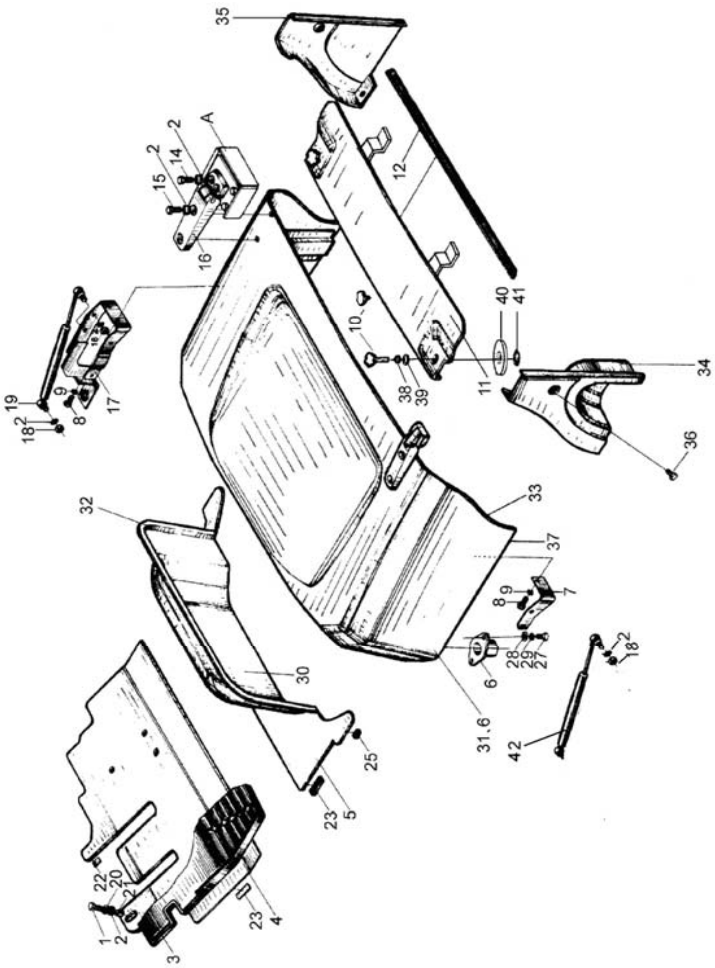


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000102	Bolt M8x30	1	
2	66000163	Washer 8	5	
3	66000696	Pedal pad	1	Ⓐ Ⓑ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ
-	66000474	Pedal pad	1	Ⓒ
4	66000376	Floor board,Front	1	Ⓐ Ⓑ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ
-	66000782	Floor board,Front	1	Ⓒ
5	66000711	Floor board,Rear	1	Ⓐ Ⓑ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ
-	66000709	Floor board,Rear	1	Ⓒ
6	66000710	Hood assy	1	
7	66000475	Left bracket	1	
8	66000117	Bolt M8x20	4	
9	66000065	Washer 8	12	
10	66000833	Screw	2	
11	66000690	Cover plate	1	Ⓐ Ⓑ Ⓓ Ⓖ
-	66000764	Cover plate	1	Ⓒ

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Fig.6 Hood and floor board assy □

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

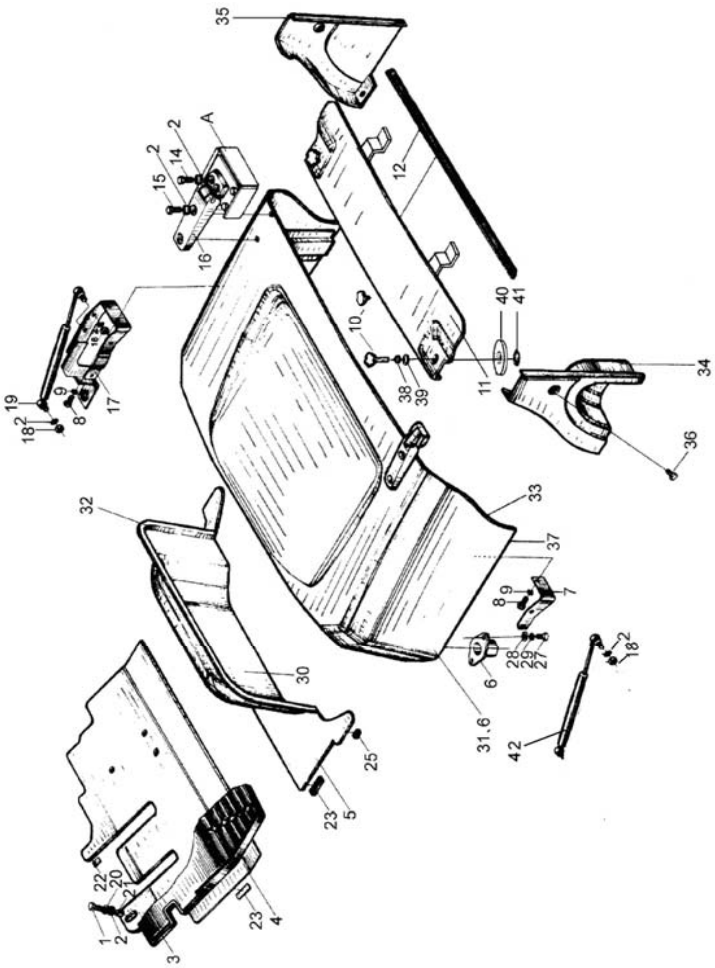


Item	Part No.	Description	Qty	Remarks Or Serial No.
-	66000814	Cover plate	1	Ⓔ Ⓕ Ⓗ Ⓘ
12	66000477	Seal strip	1	
13	66000478	Seal strip	2	
14	66000118	Bolt M8x25	4	
15	66000101	Bolt M8x25	4	
16	66000487	Hinge	2	
17	66000284	Right bracket	1	
18	66000155	Nut M8	4	
19	66000698	Air spring	1	
20	66000481	Mounting insulator	1	
21	66000482	Sleeve	1	
22	66000480	Insulator	2	
23	66000479	Insulator	2	
24	66000484	Insulator	2	
25	66000483	Insulator	2	

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Fig.6 Hood and floor board assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

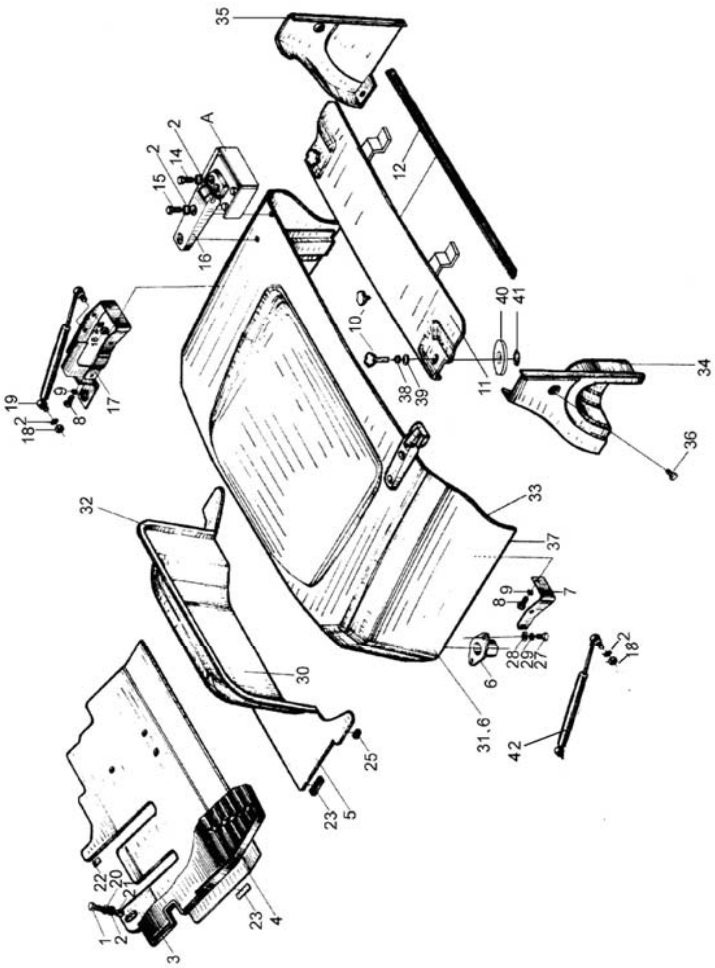


Item	Part No.	Description	Qty	Remarks Or Serial No.
26	66000486	Cab mounting insulator	2	
27	66000115	Bolt M8x16	4	
28	66000163	Washer 8	4	
29	66000065	Washer 8	4	
30	66000697	Hood insulation blanket	1	Ⓐ Ⓑ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ
-	66000693	Hood insulation blanket	1	Ⓒ
31	66000695	Hood insulation blanket	1	
32	66000485	Seal strip	1	
33	66000692	Seal strip	1	
34	66001067	Left rear hood	1	
35	66000285	Right rear hood	1	
36	66000699	Screw	2	Black galvanizing
37	66000694	Seal strip	2	
38	66000065	Washer 8	2	
39	66000072	Washer 8	2	

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Fig.6 Hood and floor board assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

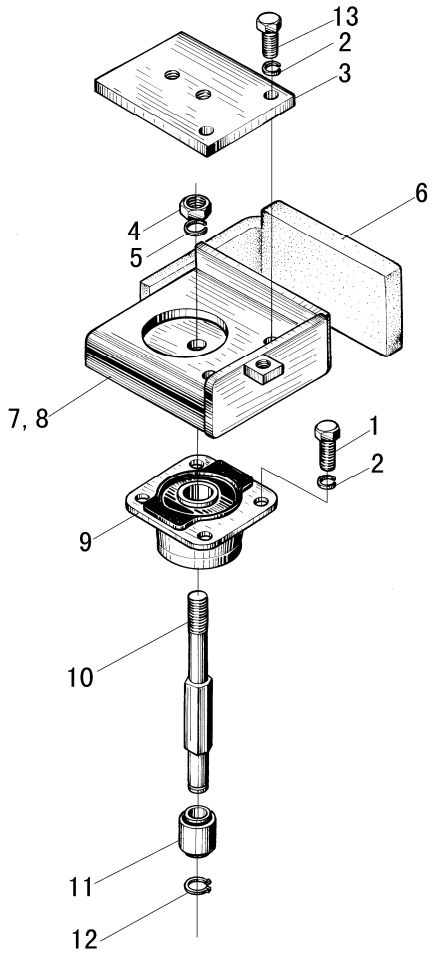


Item	Part No.	Description	Qty	Remarks Or Serial No.
40	66000700	Washer	2	
41	66000087	Snap ring 6	2	
42	66000286	Air spring at left	1	

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Fig.7 Hood and floor board assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

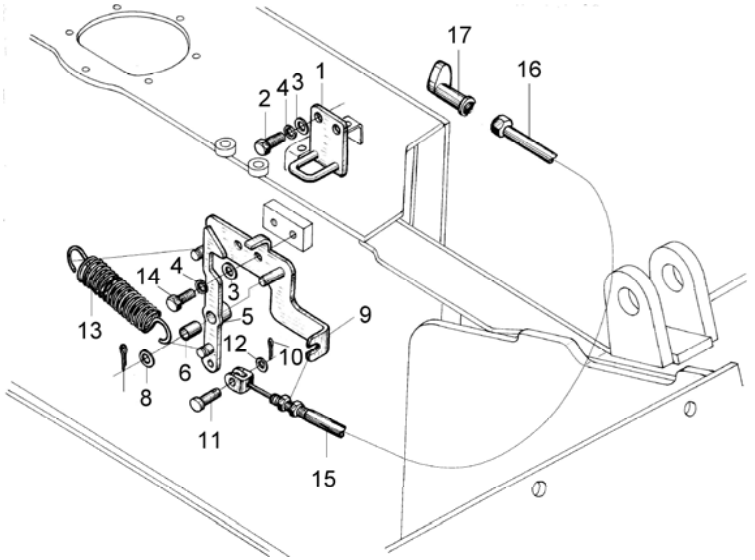


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000117	Bolt M8x20	4	
2	66000065	Washer 8	8	
3	66000489	Connector plate	2	
4	66000148	Nut M10x1.25	2	
5	66000066	Washer 10	2	
6	66000490	Insulator	2	
7	66000494	Bracket	1	
8	66000492	Bracket	1	
9	66000491	Seat	2	
10	66000488	Rod	2	
11	66000493	Bush	2	
12	66000088	Snap ring 8	2	
13	66000118	Bolt M8x25	4	

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Fig.8 Lock catch assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

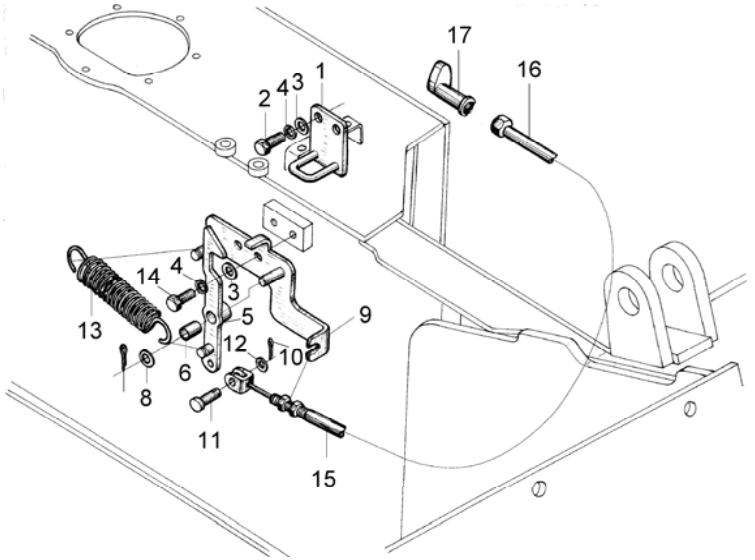


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000703	Lock catch	1	
2	66000115	Bolt M8x16	2	
3	66000163	Washer 8	4	
4	66000065	Washer 8	4	
5	66000704	Lock hook	1	
6	66000822	Bush 1020	1	
7	66000164	Washer 10	1	
8	66000059	Pin 3.2x20	1	
9	66000705	Bracket	1	
10	66000053	Pin 2x12	1	
11	66000082	Pin shaft B6x18	1	
12	66001064	Washer 6	1	
13	66000701	Spring	1	Not CE
-	66000702	Spring	1	For CE
14	66000117	Bolt M8x20	2	

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Fig.8 Lock catch assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

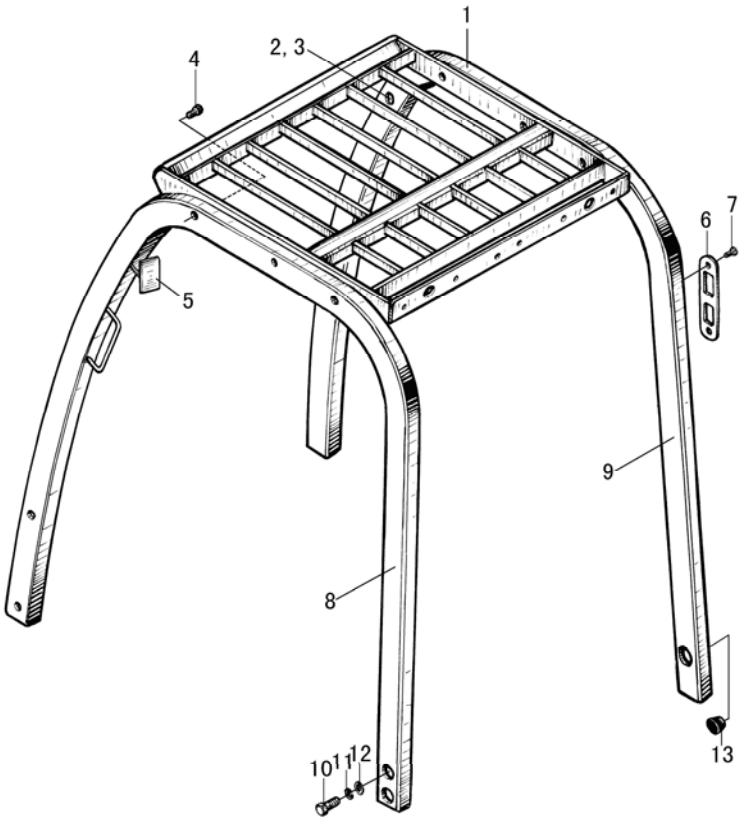


Item	Part No.	Description	Qty	Remarks Or Serial No.
15	66000706	Lock catch guy wire assy	1	Not CE
16	66000708	Lock catch guy wire assy	1	For CE
17	66000707	Guy wire pothook	1	For CE

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Fig.9 Overhead guard

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y



Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000717	Overhead guard	1	
2	66000581	Rubber pipe	1	
3	66000271	Clamp	1	
4	66000473	Bolt assy	6	
5	66000896	Rearview mirror	1	
6	66000580	Cover plate	1	
7	66000080	Screw M5x12	3	
8	66000723	Left pillar assy	1	
9	66000718	Right pillar assy	1	Ⓐ Ⓑ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ
-	66000770	Right pillar assy	1	Ⓒ
10	66000583	Bolt	8	
11	66000069	Washer 16	8	
12	66000584	Washer	8	
13	66000582	Rubber plug	2	For Right pilla

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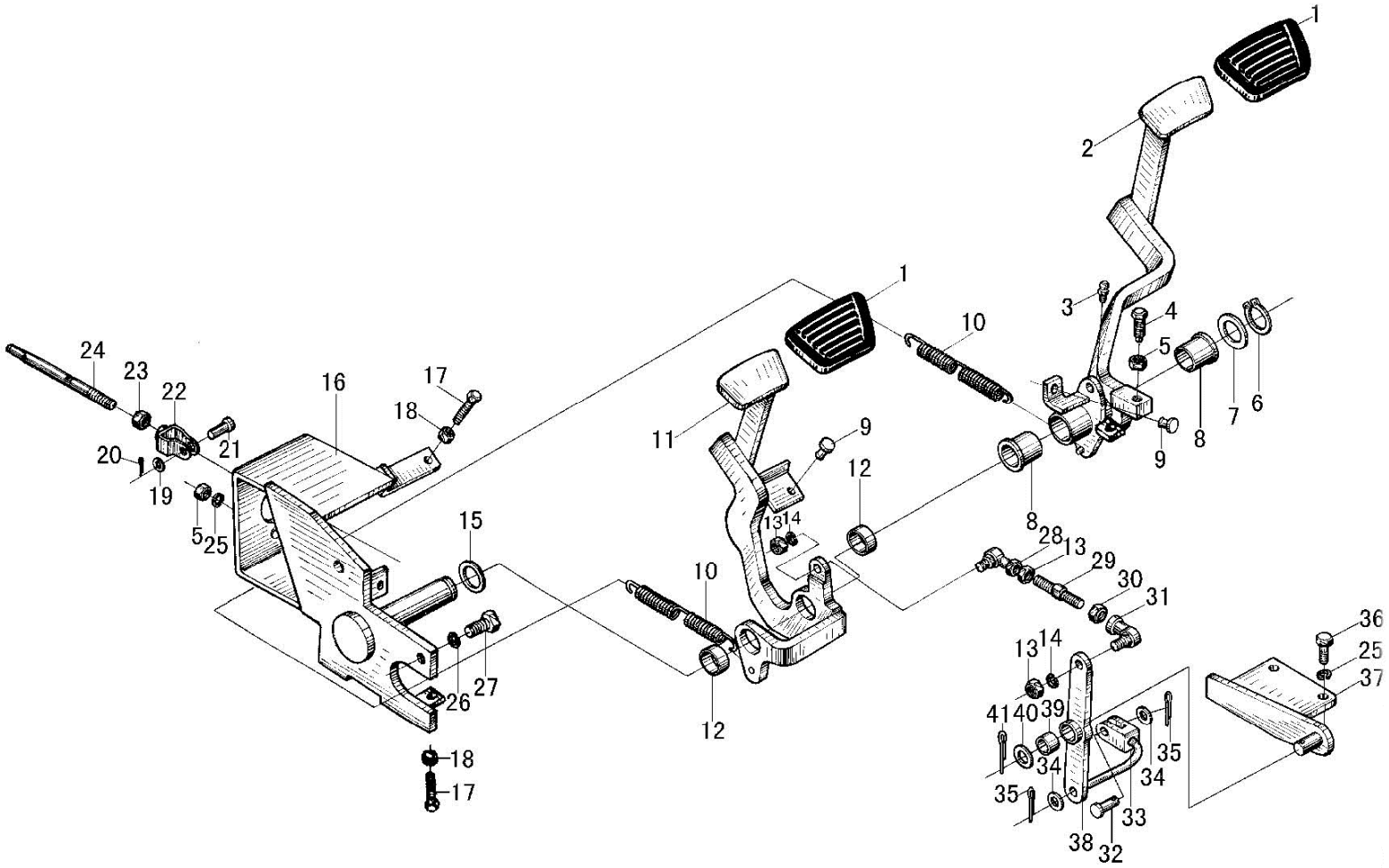
Part Ⅴ　Control system contents

Ⓐ UT20/25P (C240)　Ⓑ UT20/25P (4TNE92)　Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG)　Ⓔ UT20/25P (K21 GAS)　Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG)　Ⓗ UT20/25P (K25 GAS)　Ⓘ UT20/25P (K25 LPG)-Y

Item	Description	Serial No.	Page
Fig.1	Brake and inching pedal assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	5-1
Fig.2	Brake pedal assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	5-5
Fig.3	Throttle control assy	Ⓐ	5-6
Fig.4	Throttle control assy	Ⓑ	5-8
Fig.5	Throttle control assy	Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	5-10
Fig.6	Hand brake control	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	5-12

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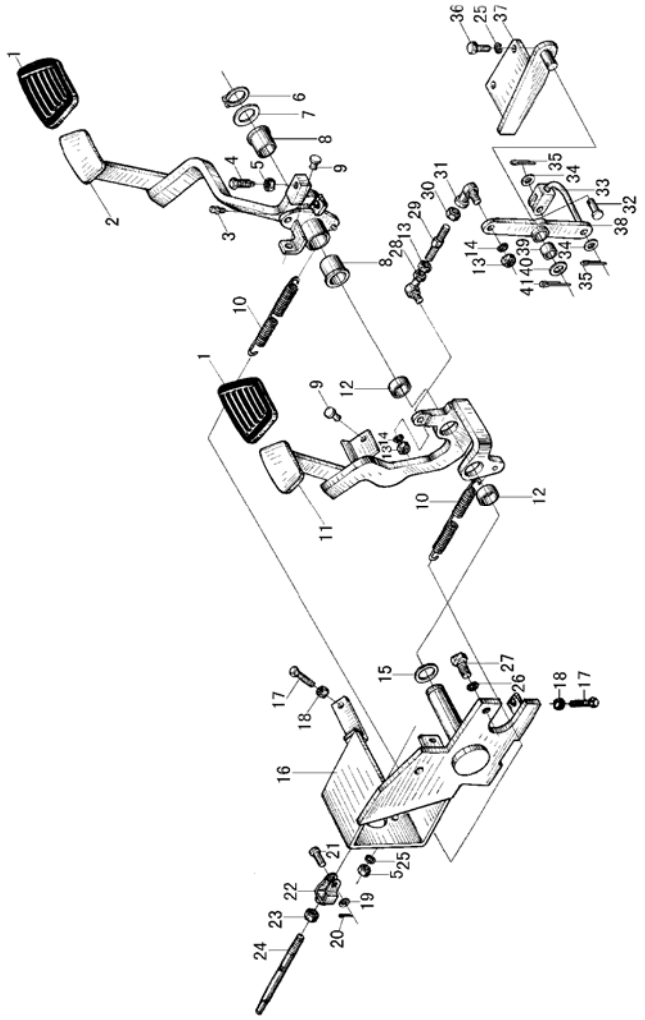
Fig.1 Brake and inching pedal assy	Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0) Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y



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Fig.1 Brake and inching pedal assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

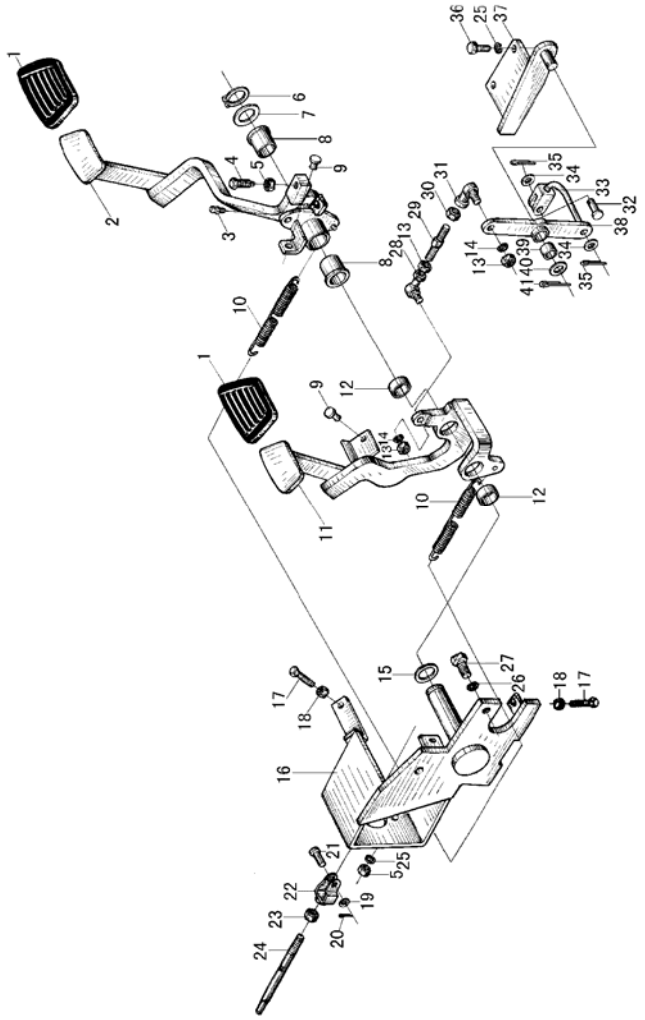


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000500	Pedal pad	2	
2	66000381	Brake pedal	1	
3	66000092	Oil cup M6	1	
4	66000496	Bolt	1	
5	66000147	Nut M10	3	
6	66000177	Snap ring 28	1	
7	66000498	Shim	1	
8	66000505	Bushing	2	
9	66000501	Thrust ring	2	
10	66000497	Spring	2	
11	66000378	Inching pedal	1	
12	66000502	Bushing	2	
13	66000151	Nut M8	3	
14	66000065	Washer 8	2	
15	66000495	Pad	1	

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Fig.1 Brake and inching pedal assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

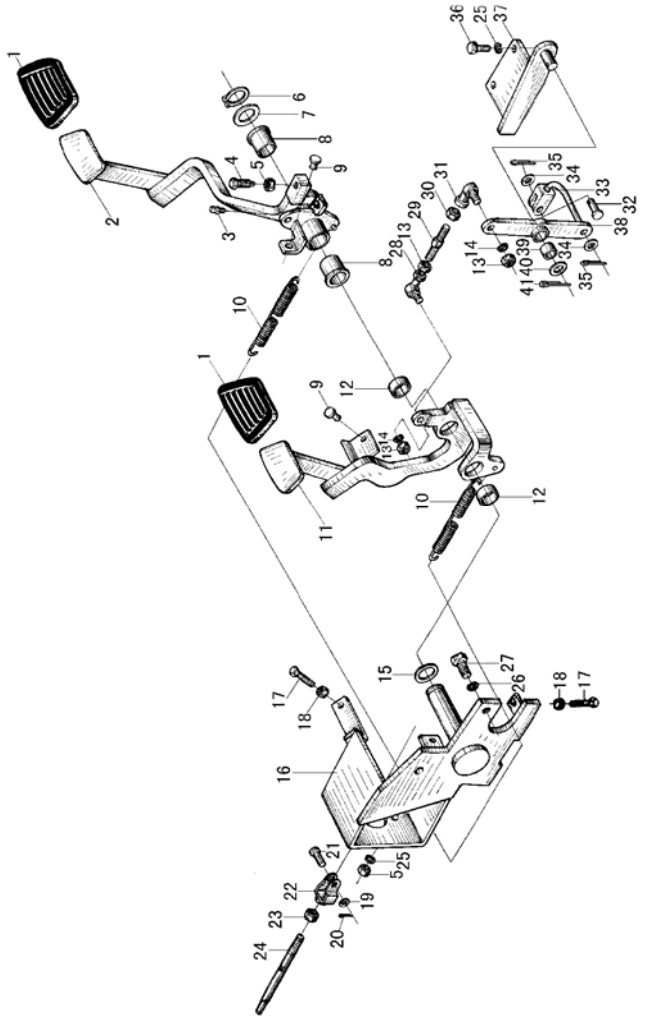


Item	Part No.	Description	Qty	Remarks Or Serial No.
16	66000499	Seat	1	
17	66000119	Bolt M8x30	2	
18	66000146	Nut M8	2	
19	66000081	Washer 8	1	
20	66000058	Pin 3.2x16	1	
21	66000084	Pin shaft B8x24	1	
22	66000504	Push bracket	1	
23	66000147	Nut M10		
24	66000503	Thrust rod	1	
25	66000066	Washer 10	4	
26	66000067	Washer 12	2	
27	66000139	Bolt M12x1.25x25	2	
28	66000382	Bearing	1	
29	66000365	Adjusting rod	1	
30	66000152	Nut M8-Left	1	

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Fig.1 Brake and inching pedal assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

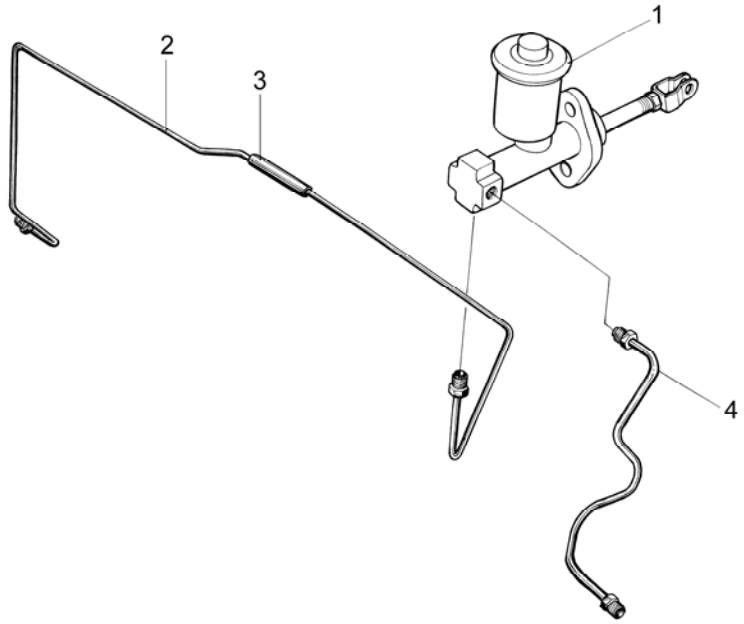


Item	Part No.	Description	Qty	Remarks Or Serial No.
31	66000383	Bearing	1	
32	66000085	Pin shaft B8x32	1	
33	66000384	Rod	1	
34	66000163	Washer 8	2	
35	66000061	Pin 3.2x24	2	
36	66000124	Bolt M10x25	2	
37	66000379	Seat	1	
38	66000380	Rocker arm	1	
39	66000377	Bushing	1	
40	66000166	Washer 16	1	
41	66000055	Pin 4x45	1	

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Fig.2 Brake pedal assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

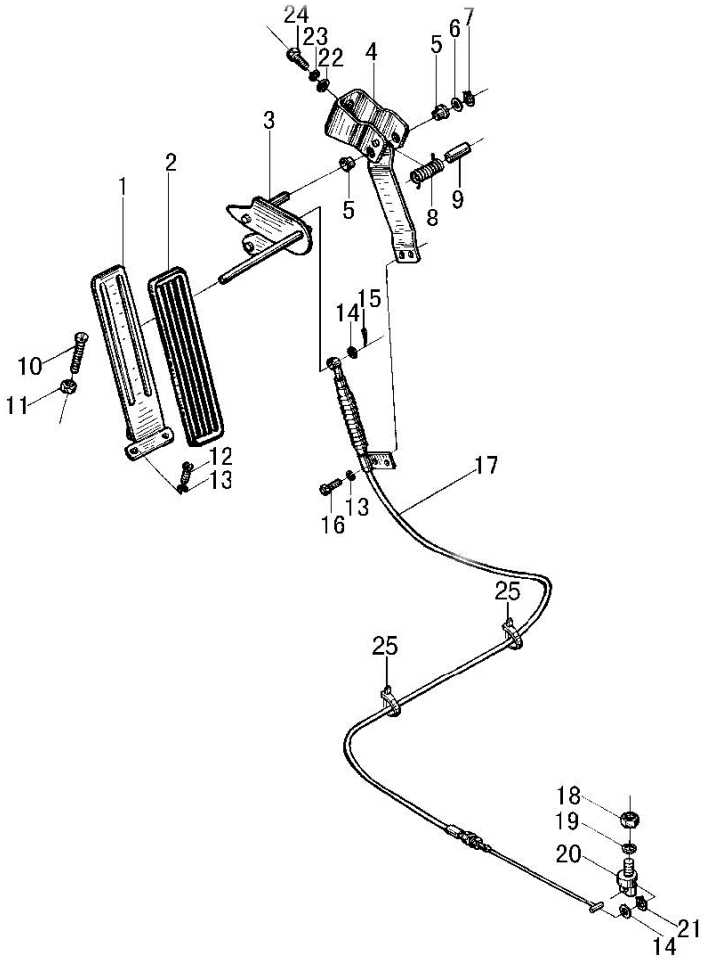


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66002632	Brake pump assy	1	
2	66000521	Right brake pipe	1	
3	66000520	Bushing	1	
4	66000519	Left brake pipe	1	

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Fig.3 Throttle control assy

Ⓐ UT20/25P (C240)

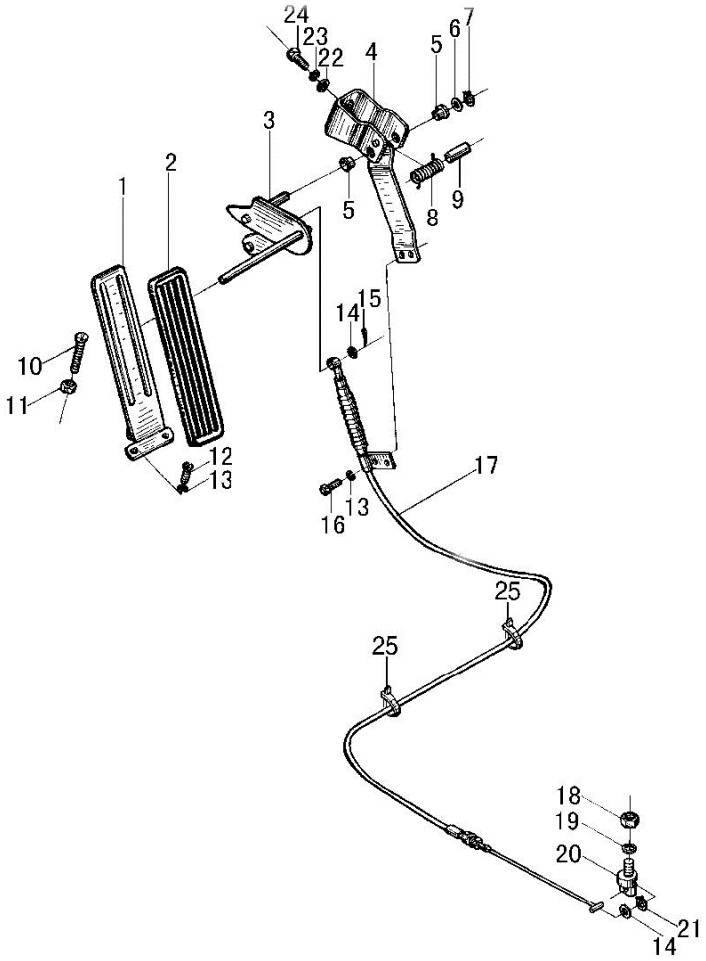


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000515	Pedal assy	1	
2	66000508	Pedal pad	1	
3	66000514	Rocker rod assy	1	
4	66000513	Bracket	1	
5	66000511	Bushing	2	
6	66000512	Washer	1	
7	66000174	Snap ring 8	1	
8	66000509	Tension spring	1	
9	66000510	Bushing	1	
10	66000507	Screw	1	
11	66000146	Nut M8	1	
12	66000099	Screw M6x16	2	
13	66000064	Washer 6	4	
14	66001064	Washer 6	1	
15	66000056	Pin 1.2x20	1	

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Fig.3 Throttle control assy

Ⓐ UT20/25P (C240)

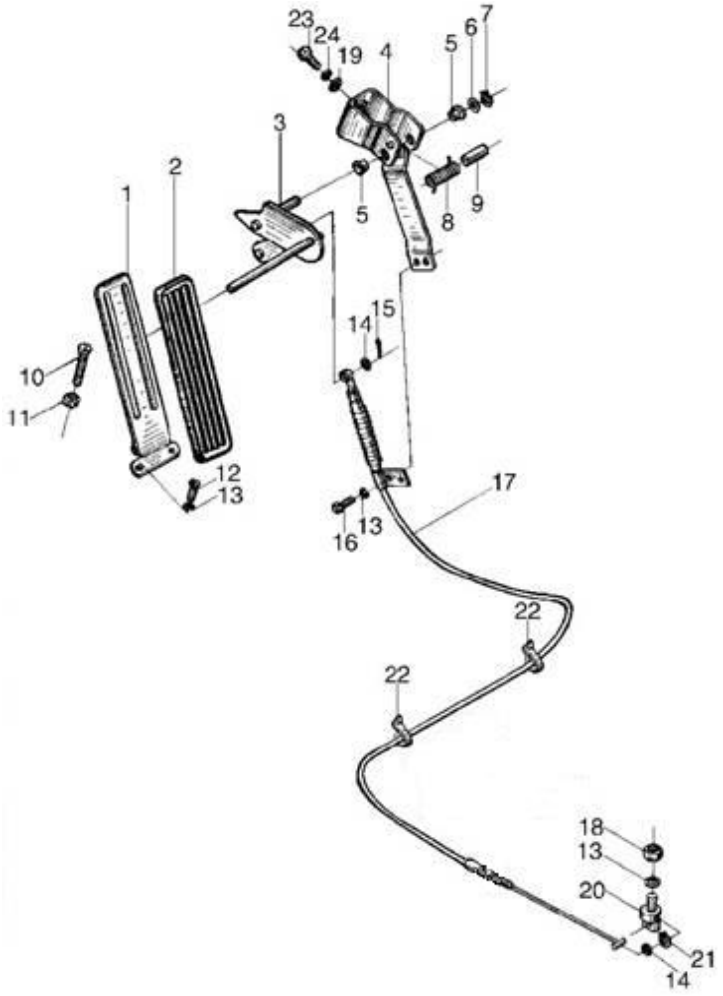


Item	Part No.	Description	Qty	Remarks Or Serial No.
16	66000109	Bolt M6x12	2	
17	66000363	Throttle line assy	1	
18	66000144	Nut M5	1	
19	66000063	Washer 5	2	
20	66000362	Guy wire pin	1	
21	66000086	Snap ring 4	1	
22	66000163	Washer 8	2	
23	66000065	Washer 8	2	
24	66000117	Bolt M8x20	2	
25	66000593	Wire PKD-170	2	

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Fig.4 Throttle control assy

Ⓑ UT20/25P (4TNE92)

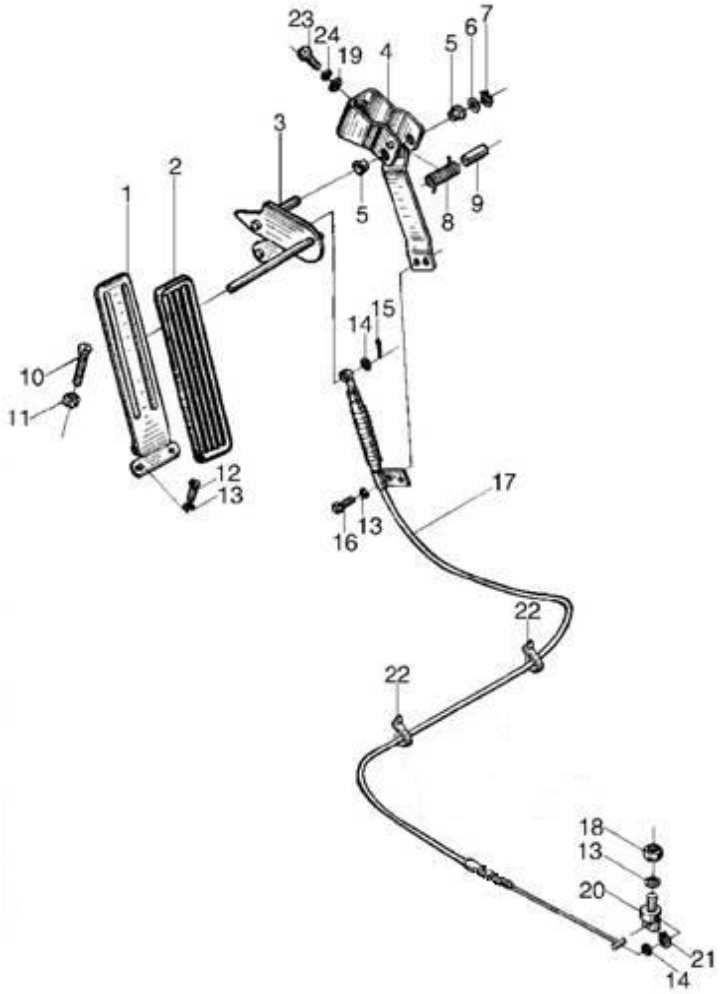


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000515	Pedal assy	1	
2	66000508	Pedal pad	1	
3	66000514	Rocker rod assy	1	
4	66000513	Bracket	1	
5	66000511	Bushing	2	
6	66000512	Washer	1	
7	66000174	Snap ring 8	1	
8	66000509	Tension spring	1	
9	66000510	Bushing	1	
10	66000507	Screw	1	
11	66000146	Nut M8	1	
12	66000099	Screw M6x16	2	
13	66000064	Washer 6	5	
14	66001064	Washer 6	2	
15	66000056	Pin 1.2x20	1	

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Fig.4 Throttle control assy

Ⓑ UT20/25P (4TNE92)

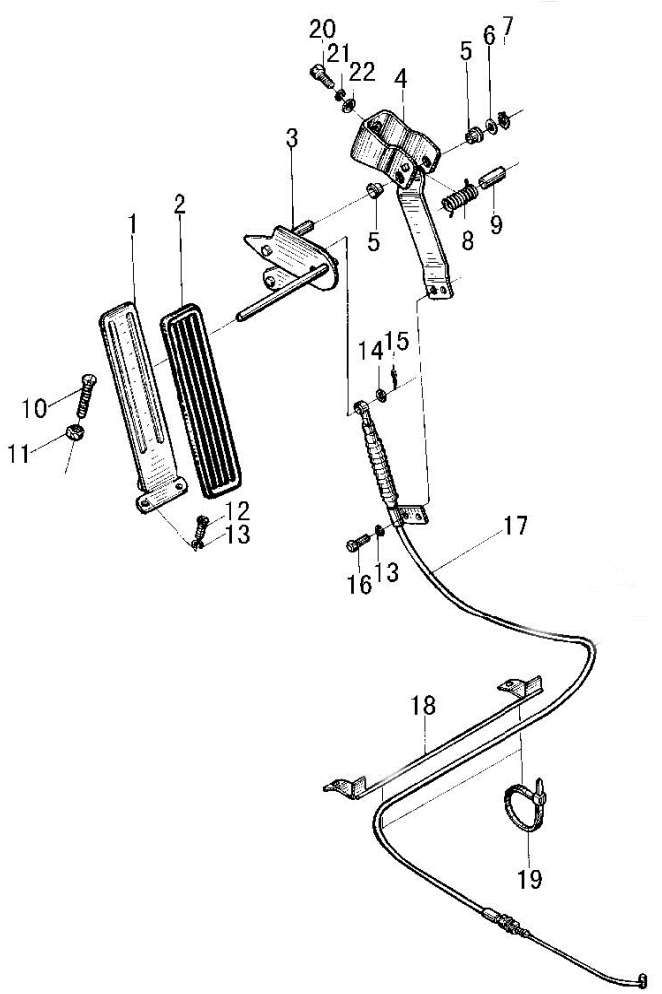


Item	Part No.	Description	Qty	Remarks Or Serial No.
16	66000109	Bolt M6x12	2	
17	66000813	Throttle line	1	
18	66000145	Nut M6	1	
19	66000163	Washer 8	2	
20	66000041	Guy wire pin	1	
21	66000086	Snap ring 4	1	
22	66000593	Wire PKD-170	1	
23	66000117	Bolt M8x20	2	
24	66000065	Washer 8	2	

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Fig.5 Throttle control assy

Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

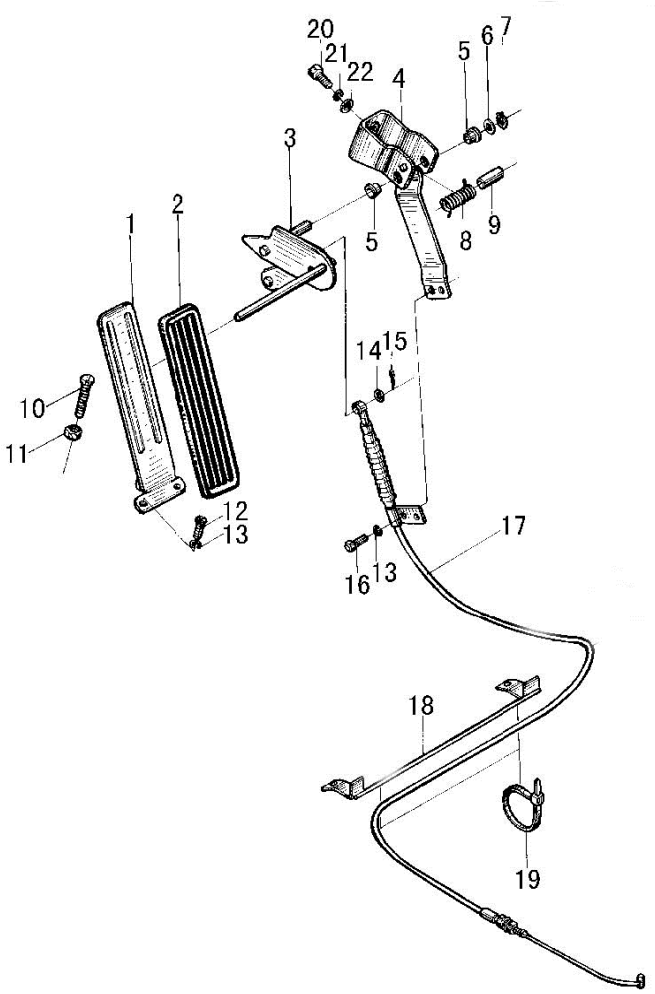


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000515	Pedal assy	1	
2	66000508	Pedal pad	1	
3	66000514	Rocker rod assy	1	
4	66000513	Bracket	1	
5	66000511	Bushing	2	
6	66000512	Washer	1	
7	66000174	Snap ring 8	1	
8	66000509	Tension spring	1	
9	66000510	Bushing	1	
10	66000507	Screw	1	
11	66000146	Nut M8	1	
12	66000099	Screw M6x16	2	
13	66000064	Washer 6	5	
14	66001064	Washer 6	2	
15	66000056	Pin 1.2x20	1	

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Fig.5 Throttle control assy

Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

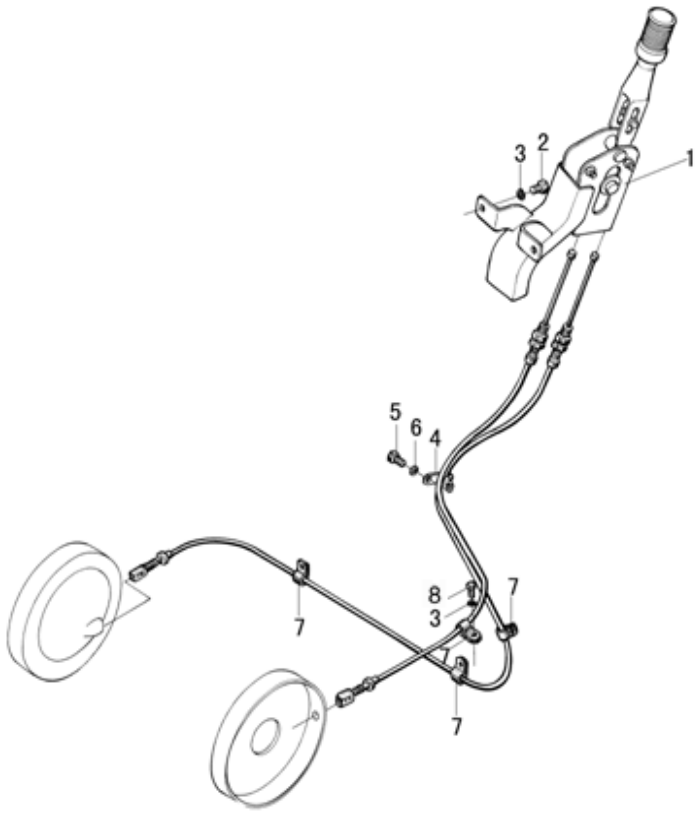


Item	Part No.	Description	Qty	Remarks Or Serial No.
16	66000109	Bolt M6x12	2	
17	66000591	Throttle line	1	
18	66000516	Throttle line assy	1	
19	66000593	Wire PKD-170	2	
20	66000115	Bolt M8x16	2	
21	66000065	Washer 8	2	
22	66000163	Washer 8	2	

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Fig.6 Hand brake control

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y



Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000292	Device assy-parking brake control	1	
2	66000123	Bolt M10x20	2	
3	66000066	Washer 10	6	
4	66000517	Clip	1	
5	66000115	Bolt M8x16	1	
6	66000065	Washer 8	1	
7	66000518	Clip	4	
8	66000122	Bolt M10x16	4	

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Part Ⅵ Hydraulic system contents

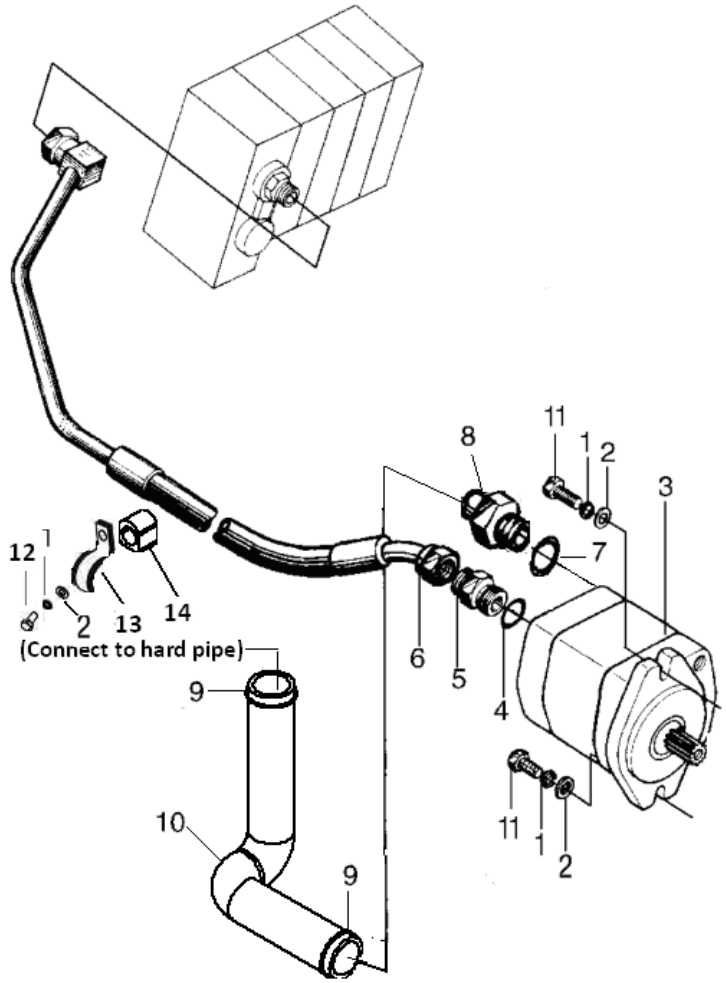
Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

Item	Description	Serial No.	Page
Fig.1	Oil pump assy	Ⓐ Ⓑ	6-1
Fig.2	Oil pump assy	Ⓒ	6-3
Fig.3	Oil pump assy	Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	6-4
Fig.4	Hydraulic tank accessory	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	6-6
Fig.5	Multi-way valve control	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	6-7
Fig.6	Multi-way valve assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	6-9
Fig.7	Tilting oil pipe	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	6-10
Fig.8	Steering oil pipe	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	6-11
Fig.9	Strainer assy	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	6-13

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Fig.1 Oil pump assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92)

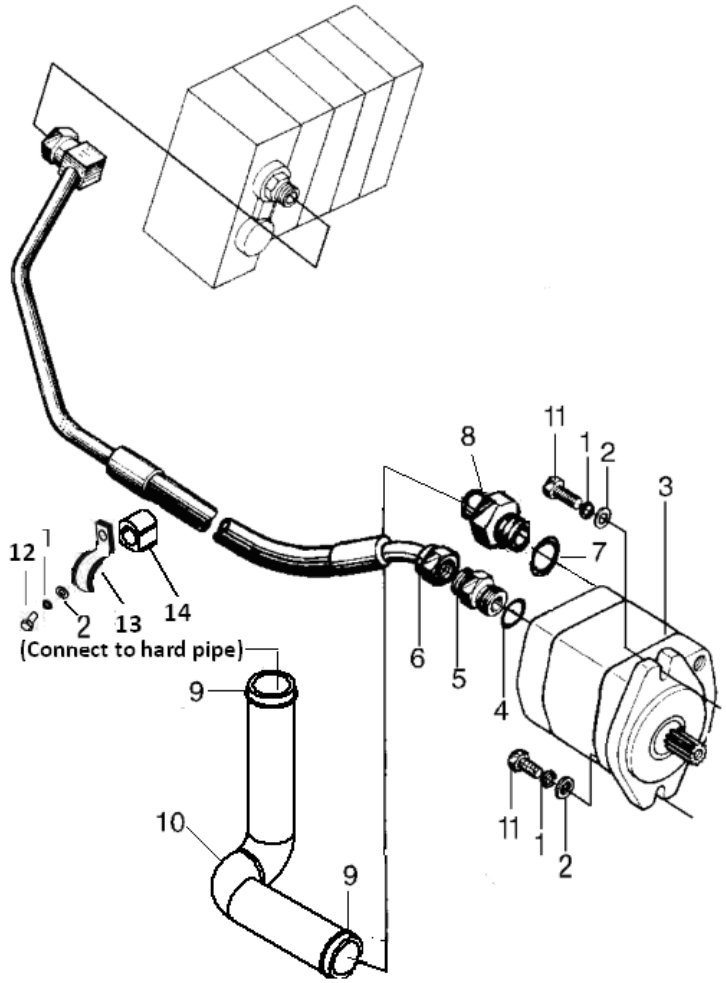


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000066	Washer 10	3	
2	66000164	Washer 10	3	
3	66000364	Gear pump	1	Ⓐ
-	66000798	Gear pump	1	Ⓑ
4	66000094	O-ring 24x2.4	1	
5	66000536	Connector	1	
6	66000349	Oil pipe assy	1	
7	66000190	O-ring P29	1	
8	66000296	Connector	1	
9	66000602	Clamp 45	2	
10	66000304	Suction pipe	1	Ⓐ
-	66000293	Suction pipe	1	Ⓑ
11	66000125	Bolt M10x30	2	
12	66000123	Bolt M10x20	1	
13	66000295	Clamp	1	

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Fig.1 Oil pump assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92)

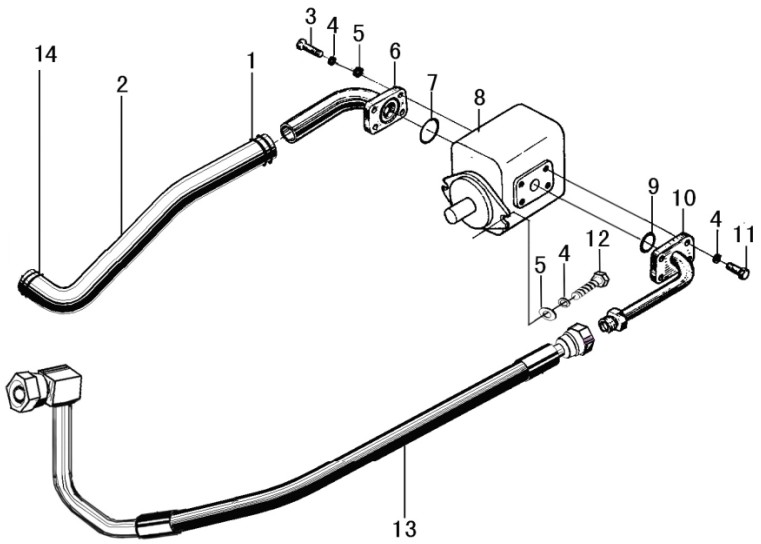


Item	Part No.	Description	Qty	Remarks Or Serial No.
14	66000294	Bush	1	

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Fig.2 Oil pump assy

Ⓒ UT20/25P (GM 3.0)

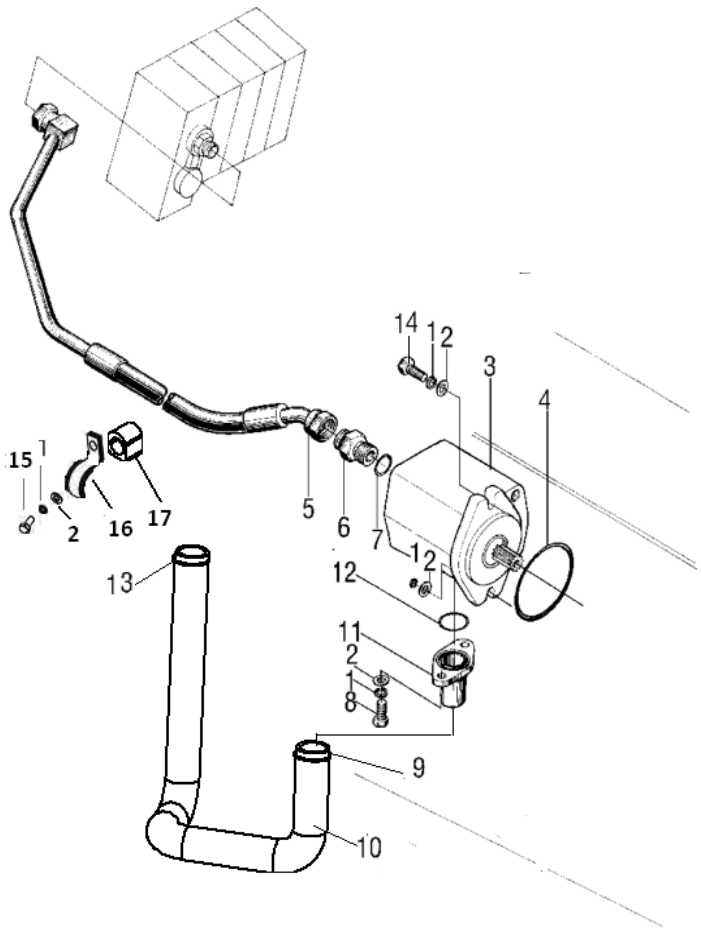


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000600	Clamp 38	1	
2	66000303	Suction pipe	1	
3	66000135	Bolt M10x1.25x25	4	
4	66000066	Washer 10	10	
5	66000164	Washer 10	6	
6	66000766	Flange	1	
7	66000187	O-ring G30	1	
8	66000767	Gear pump	1	
9	66000095	O-ring 35x3.1	1	
10	66000765	Flange	1	
11	66000137	Bolt M10x1.25x35	4	
12	66000125	Bolt M10x30	2	
13	66000642	Rubber pipe assy	1	
14	66000602	Clamp 45	1	

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Fig.3 Oil pump assy

Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

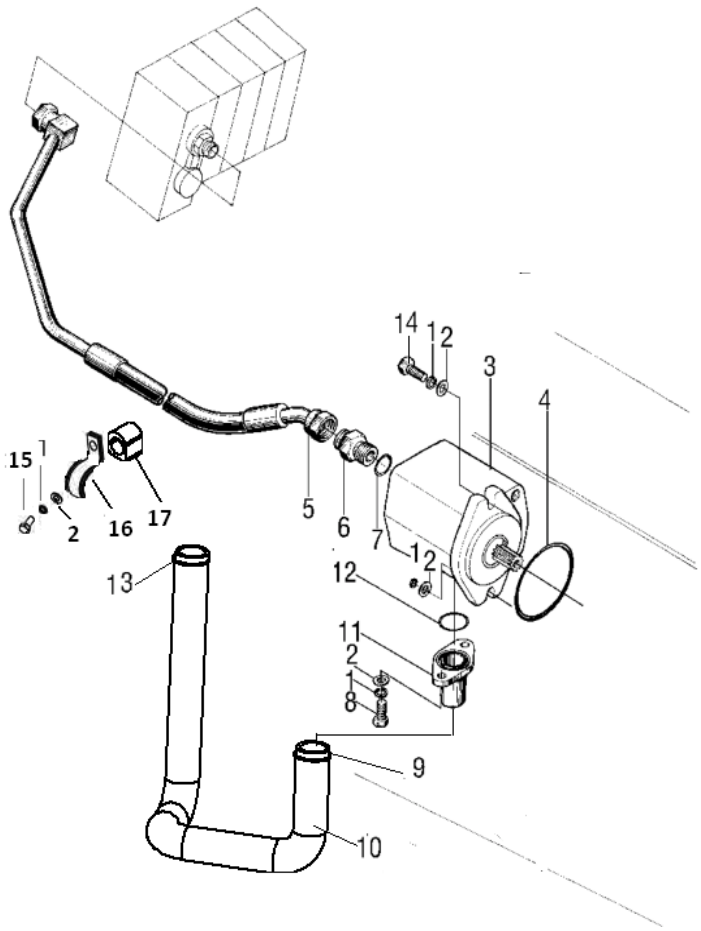


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000066	Washer 10	5	
2	66000164	Washer 10	5	
3	66000319	Gear pump	1	
4	66000002	O-ring AS568-236	1	
5	66000310	Oil pipe assy	1	
6	66000523	Pipe connector	1	
7	66000189	O-ring P18	1	
8	66000124	Bolt M10x25	2	
9	66000600	Clamp 38	1	
10	66000309	Suction pipe	1	
11	66000522	Flange	1	
12	66000187	O-ring G30	1	
13	66000602	Clamp 45	1	
14	66000125	Bolt M10x30	2	
15	66000123	Bolt M10x20	1	

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Fig.3 Oil pump assy

Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

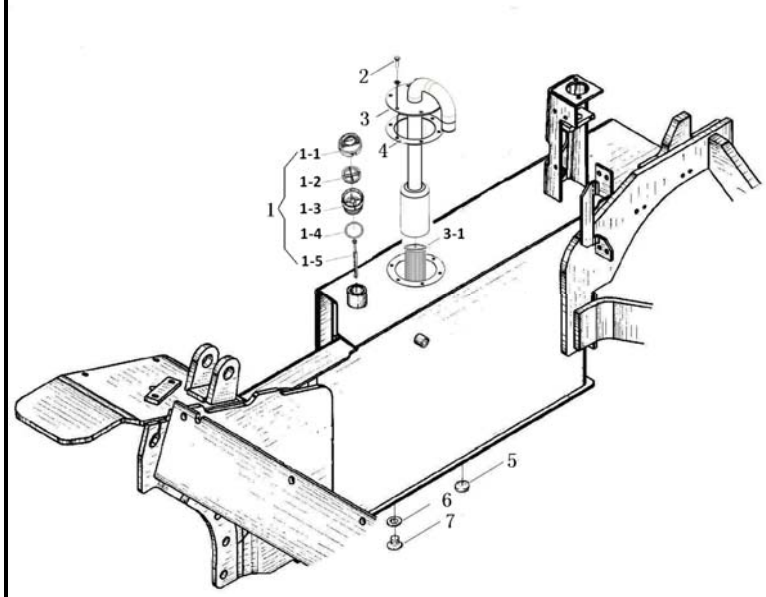


Item	Part No.	Description	Qty	Remarks Or Serial No.
16	66000295	Clamp	1	
17	66000294	Bush	1	

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Fig.4 Hydraulic tank accessory

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

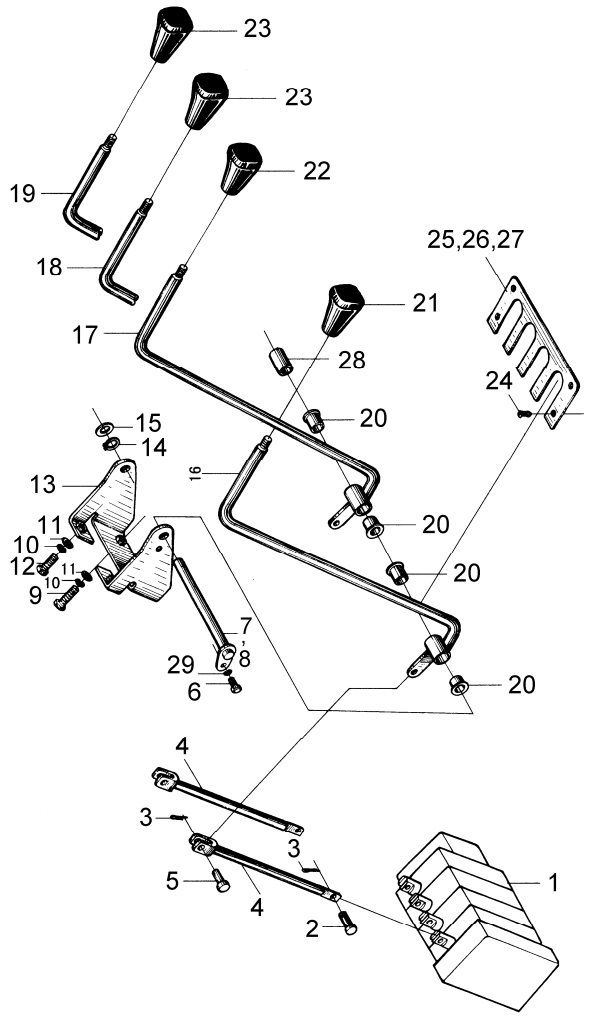


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000300	Cap assy		
1-1	No Part No.	Cap	1	
1-2	66000835	Breather filter	1	
1-3	No Part No.	Cap body	1	
1-4	66000179	O-ring 46.2x3.55	1	
1-5	No Part No.	Fuel dipstick	1	
2	66000181	Bolt M8x25	4	
3	66000301	Cover plate assy	1	Inc.3-1
3-1	66000871	Suction filter	1	
4	66000610	Seal pad	1	
5	66000458	Ring magnetic iron	1	
6	66000267	Washer 24	1	
7	66000460	Plug	1	

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Fig.5 Multi-way valve control

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

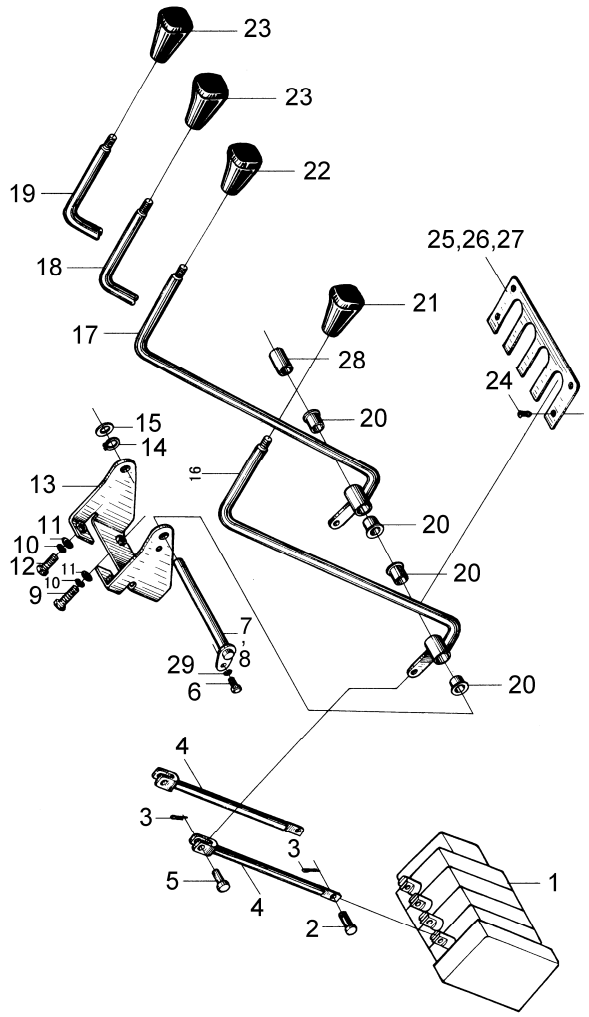


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000532	Multi-way valve assy		
2	66000530	Pin shaft	2	Three-spool valve/Qty 3 Four-spool valve /Qty 4
3	66000054	Pin 2x16	4	Three-spool valve/Qty 6 Four-spool valve /Qty 8
4	66000547	Connector rod	2	Three-spool valve/Qty 3 Four-spool valve /Qty 4
5	66000083	Pin shaft B6x22	2	Three-spool valve /Qty 3 Four-spool valve /Qty 4
6	66000109	Bolt M6x12	1	
7	66000548	Pin shaft	1	For two or three-spool valve
8	66000549	Pin shaft	1	For four-spool valve
9	66000119	Bolt M8x30	2	
10	66000065	Washer 8	4	
11	66000163	Washer 8	2	
12	66000117	Bolt M8x20	1	
13	66000542	Bracket	1	
14	66000175	Snap ring 12	1	For four-spool valve
15	66000261	Washer		For four-spool valve

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Fig.5 Multi-way valve control

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

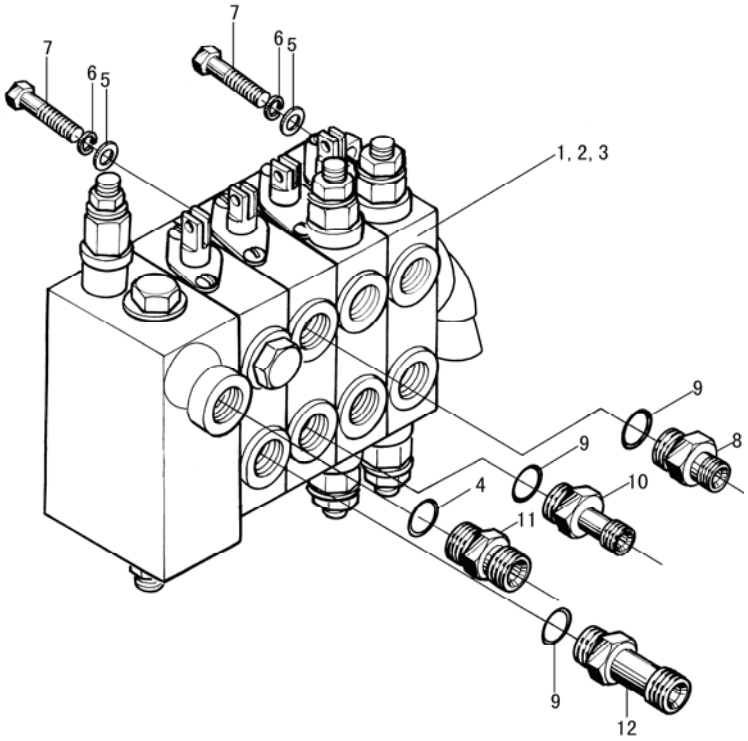


Item	Part No.	Description	Qty	Remarks Or Serial No.
16	66000543	Multi-way valve hand	1	
17	66000544	Multi-way valve hand	1	
18	66000545	Multi-way valve hand	1	For three-spool valve
19	66000546	Multi-way valve hand	1	For four-spool valve
20	66000540	Bush	4	Three-spool valve /Qty 6 Four-spool valve /Qty 8
21	66000524	Lifting knob	1	
22	66000525	Tilting knob	1	
23	66000526	Knob attachment	1	Three-spool valve /Qty 1 Four-spool valve /Qty 4
24	66000531	Fastener	4	
25	66000527	Cover plate	1	For two-spool valve
26	66000528	Cover plate	1	For three-spool valve
27	66000529	Cover plate	1	For four-spool valve
28	66000541	Shaft collar	1	For two-spool valve
29	66000064	Washer 6	1	

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Fig.6 Multi-way valve assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

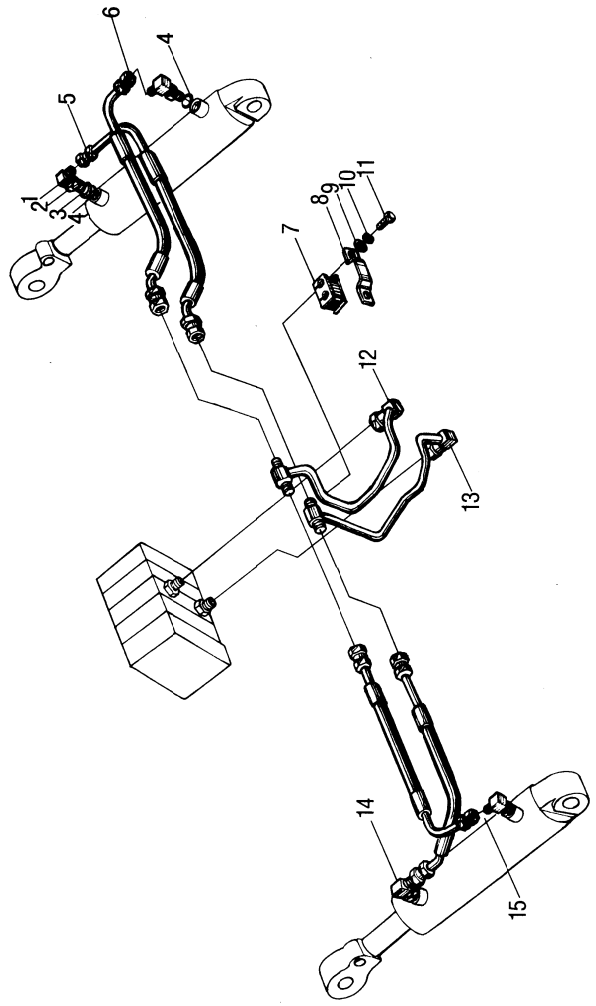


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000533	Two-spool valve	1	
2	66000534	Three-spool valve	1	
3	66000535	Four-spool valve	1	
4	66000094	O-ring 24x2.4	1	
5	66000164	Washer 10	3	
6	66000066	Washer 10	3	
7	66000136	Bolt M10x1.25x30	3	
8	66000539	Connector	1	
9	66000093	O-ring 22x2.4	3	
10	66000538	Connector	1	
11	66000536	Connector	1	
12	66000537	Connector	1	

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Fig.7 Tilting oil pipe

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

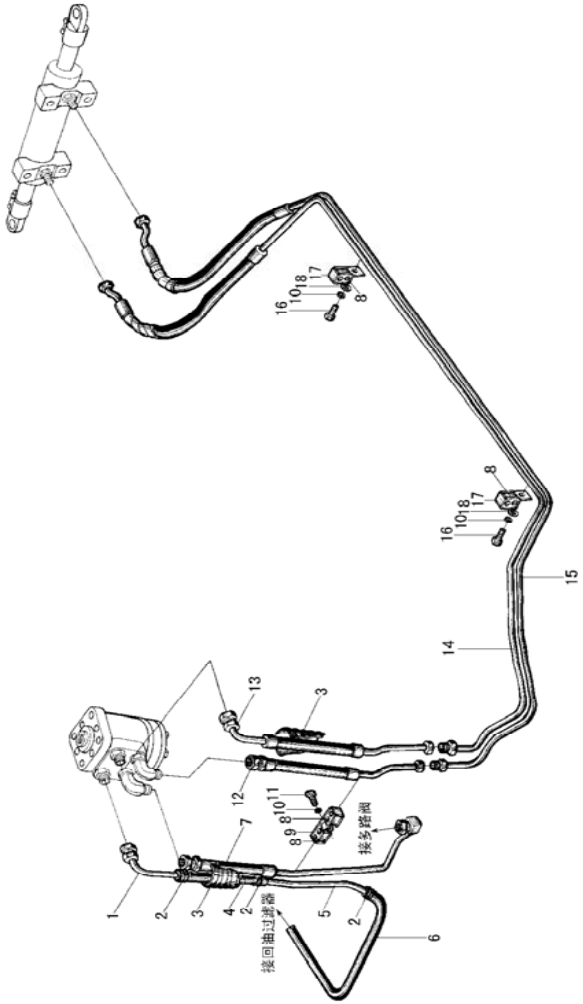


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000558	Connector	4	
2	66000559	Locking nut	4	
3	66000560	Snap ring	4	
4	66000188	O-ring P11	4	
5	66000554	Rubber pipe assy	1	
6	66000555	Rubber pipe assy	1	
7	66000551	Fixed block	1	
8	66000550	Clamp	1	
9	66000163	Washer 8	2	
10	66000065	Washer 8	2	
11	66000115	Bolt M8x16	2	
12	66000553	Tilting oil pipe	1	
13	66000552	Tilting oil pipe	1	
14	66000556	Rubber pipe assy	1	
15	66000557	Rubber pipe assy	1	

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Fig.8 Steering oil pipe

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

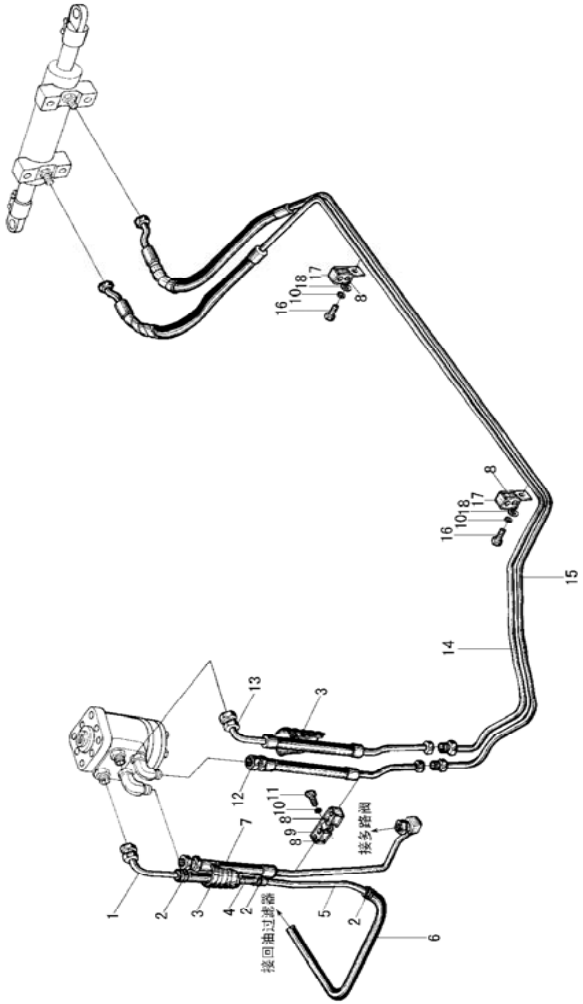


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000569	Connector	1	
2	66000598	Clamp 18	4	
3	66000561	Sleeve 17x1	2	
4	66000562	Lower pressure pipe	1	
5	66000563	Pipe	1	
6	66000564	Lower pressure pipe	1	
7	66000568	Rubber pipe assy	1	
8	66000551	Fixed block	4	
9	66000567	Plate	1	
10	66000065	Washer 8	3	
11	66000103	Bolt M8x30	1	
12	66000566	Rubber pipe assy	1	
13	66000565	Rubber pipe assy	1	
14	66000350	Rubber pipe assy	1	ⒶⒷⒹⒺⒻⒼⒽⒾ
-	66002631	Rubber pipe assy	1	Ⓒ

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Fig.8 Steering oil pipe

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

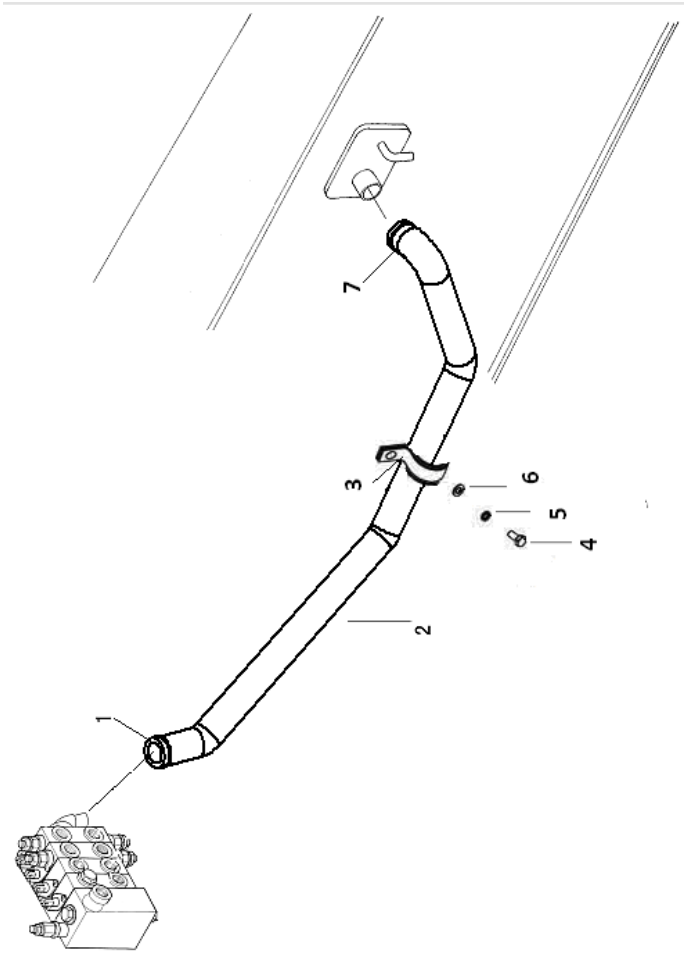


Item	Part No.	Description	Qty	Remarks Or Serial No.
15	66000351	Rubber pipe assy	1	ⒶⒷⒹⒺⒻⒼⒽⒾ
-	66000769	Rubber pipe assy	1	Ⓒ
16	66000115	Bolt M8x16	2	
17	66000517	Clip	2	
18	66000163	Washer 8	2	

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Fig.9 Strainer assy

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y



Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000602	Clamp 45	1	
2	66000297	Hose	1	For two spool valve
-	66000298	Hose	1	For three-spool valve
-	66000299	Hose	1	For four-spool valve
3	66000834	Clamp	1	
4	66000115	Bolt M8x16	1	
5	66000065	Washer 8	1	
6	66000163	Washer 8	1	
7	66000600	Clamp 38	1	

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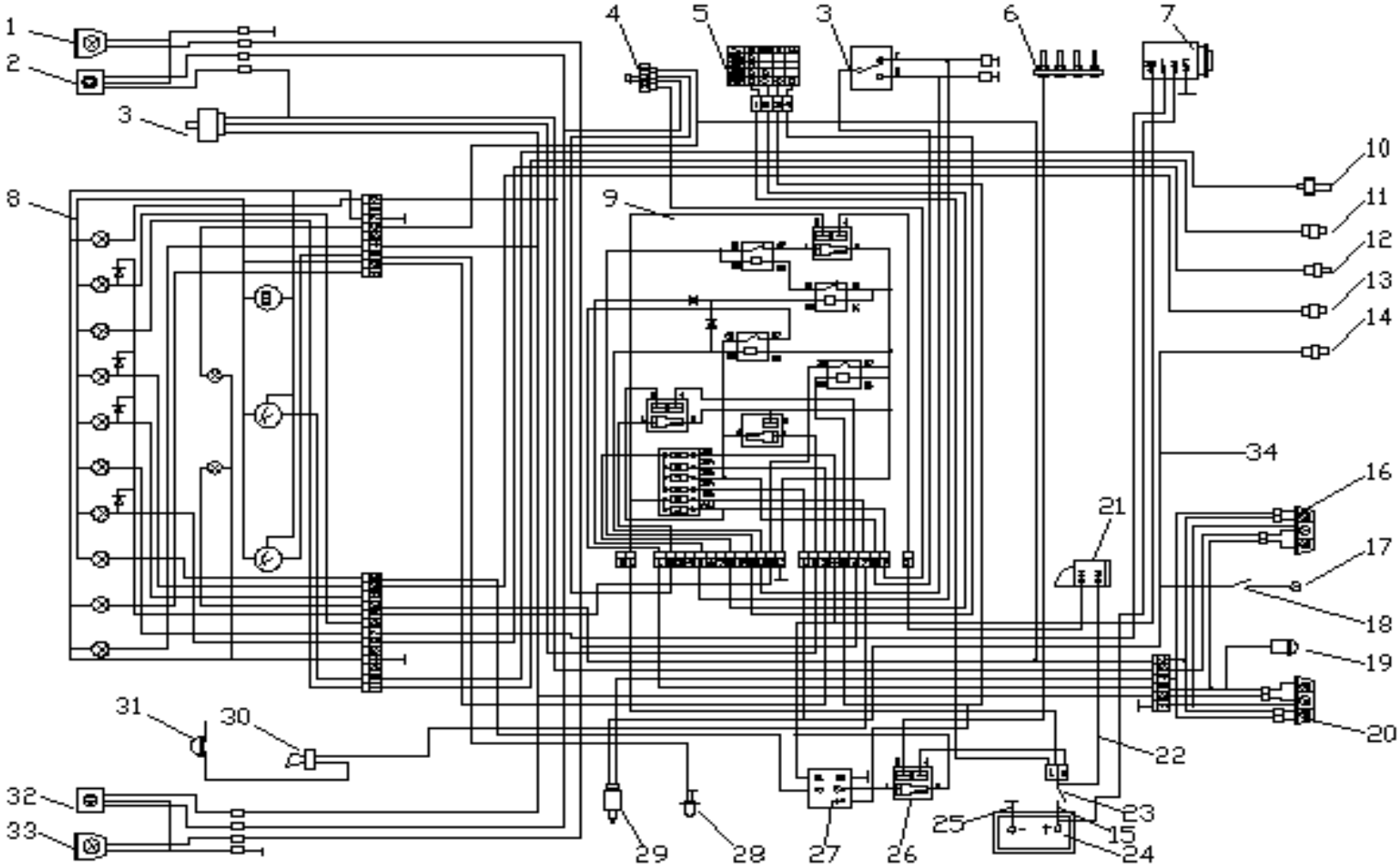
Part Ⅶ Electrical system contents

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

Item	Description	Serial No.	Page
Fig.1	Electrical system	Ⓐ	7-1
Fig.2	Electrical system	Ⓑ	7-5
Fig.3	Electrical system	Ⓒ	7-9
Fig.4	Electrical system	Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	7-13
Fig.5	Control box	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	7-17
Fig.6	Rear combination lamp	Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ	7-19

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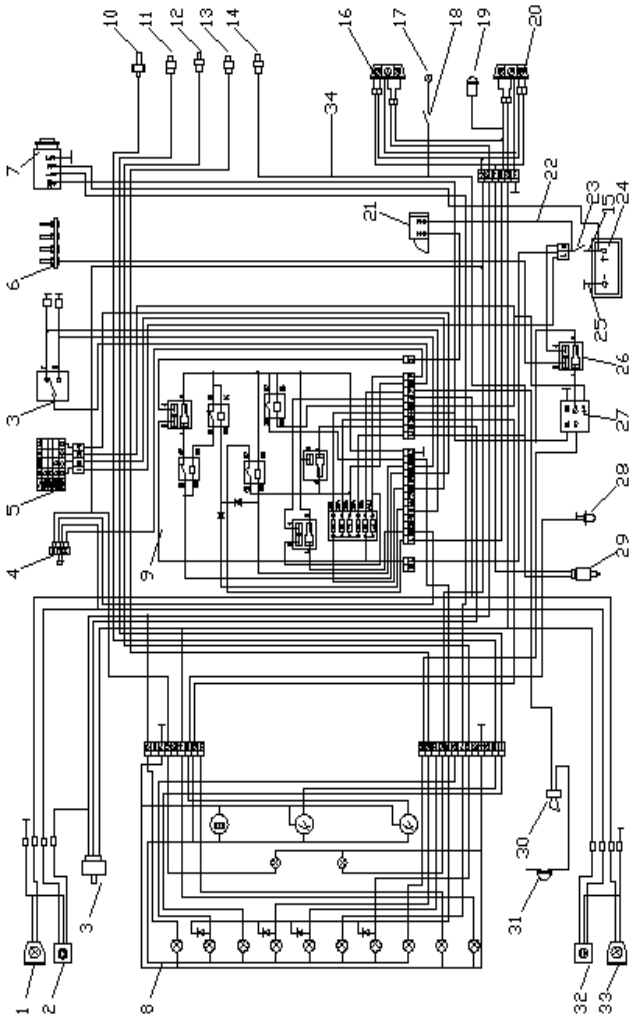
Fig.1 Electrical system	Ⓐ UT20/25P (C240)



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Fig.1 Electrical system

Ⓐ UT20/25P (C240)

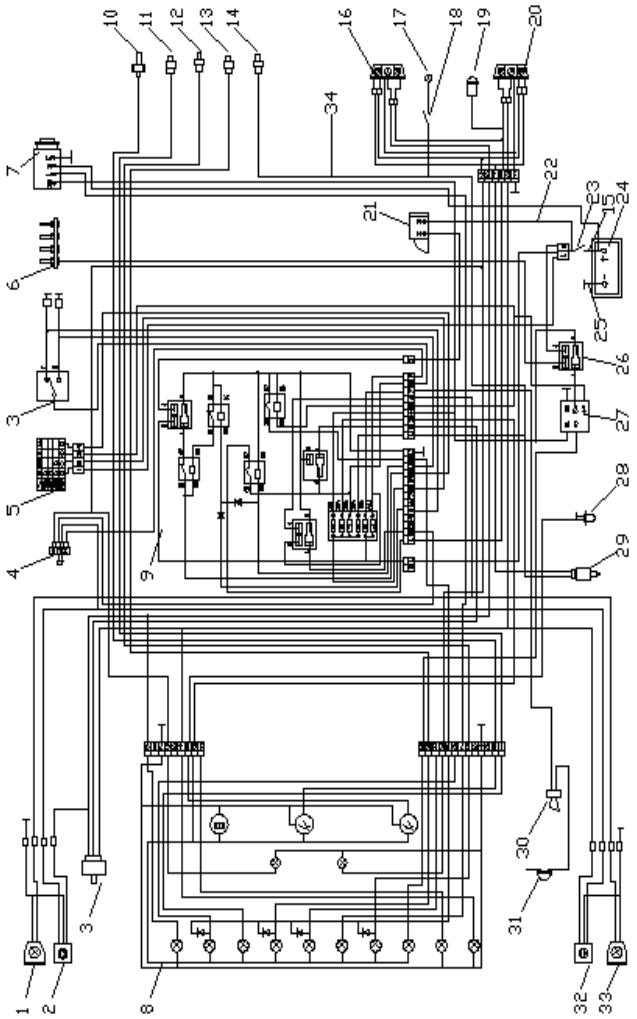


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000824	Head lamp	1	Include bulb
1-1	66000186	Bulb	1	
2	66000838	Front combination lamp	1	Include bulb
2-1	66000850	Bulb	1	
3	66000714	Switch assy,Combination	1	
4	66000194	Head light & signal lamp switch	1	
5	66000195	Pre-heat & start switch	1	
6	66000905	Glow plug	1	Supply by engine
7	66000902	Alternator 12V/35A	1	Supply by engine
8	66000578	Instrument assy	1	
9	66000302	Control box	1	
10	66000826	Water temperature sensor	1	supply by combined meters
11	66000903	Fuel pressure warning switch	1	Supply by engine
12	66000897	Oil warning switch	1	
13	66000853	Water separate warner	1	Supply by engine

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Fig.1 Electrical system

Ⓐ UT20/25P (C240)

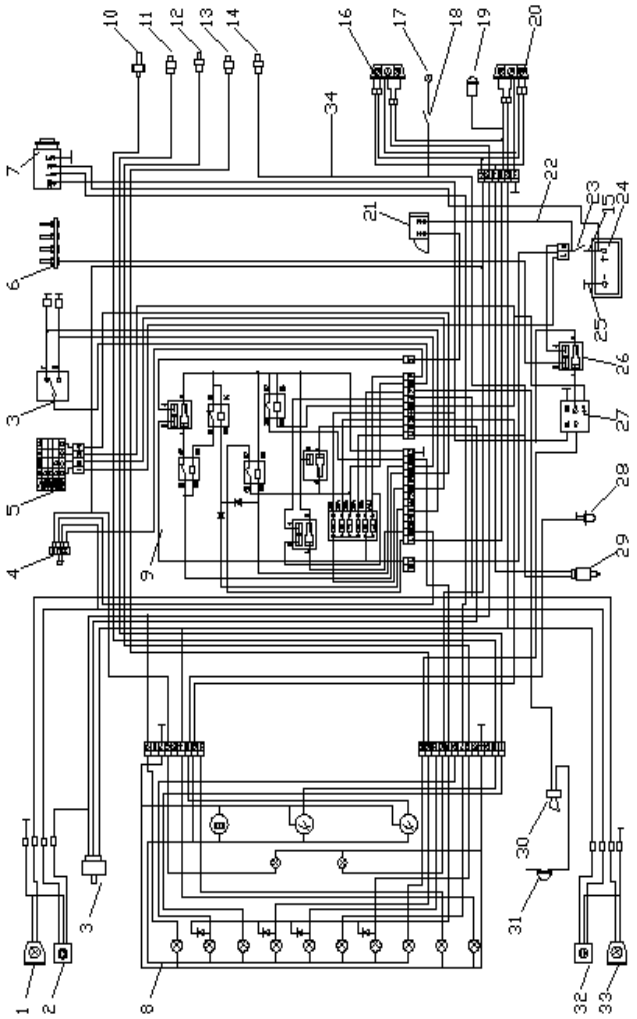


Item	Part No.	Description	Qty	Remarks Or Serial No.
14	No Part No.	Fule outoff switch	1	Supply by engine
15	66000800	Battery to Master disconnect	1	
16	66000612	Rear combination lamp,Right	1	
17	66000715	Lamp	1	
18	66000193	Lamp switch	1	
19	66000575	Buzzer,Back	1	
20	66000611	Rear combination lamp,Left	1	
21	66000906	Starter 12V/2kW	1	Supply by engine
22	66000787	Master disconnect to Starter	1	
23	66000013	Master disconnect	1	
24	66000712	Battery	1	
25	66000574	Battery negative cable	1	
26	66000577	Preheat relay	1	
27	66000840	Time relay	1	Supply by engine
28	66000713	Oil quality switch	1	

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Fig.1 Electrical system

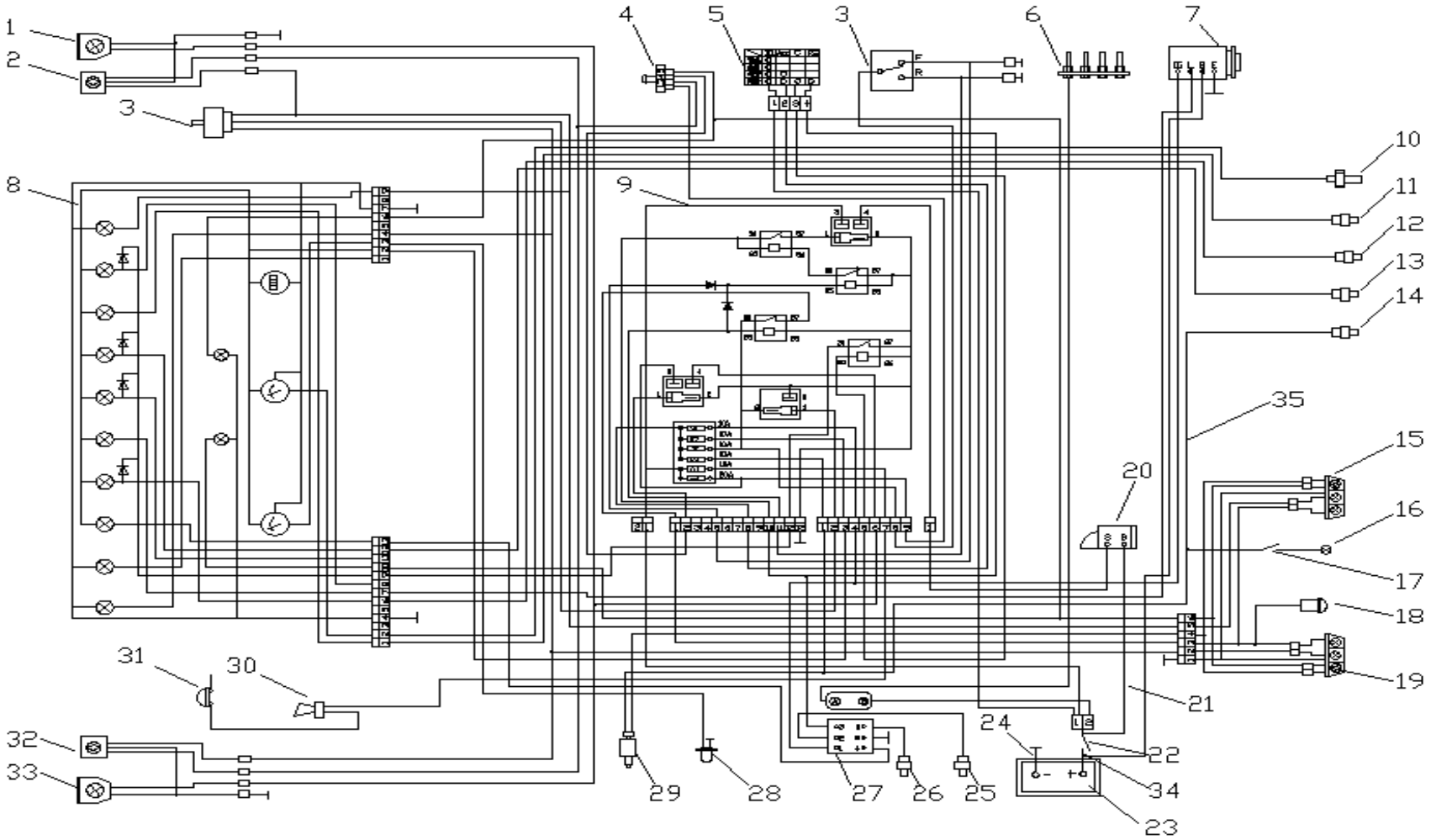
Ⓐ UT20/25P (C240)



Item	Part No.	Description	Qty	Remarks Or Serial No.
29	66000576	Brake switch	1	
30	66000573	Horn	1	
31	No Part No.	Horn button	1	Supply by steering wheel
32	66000838	Front combination lamp	1	Include bulb
32-1	66000850	Bulb	1	
33	66000824	Head lamp	1	Include bulb
33-1	66000186	Bulb	1	
34	66000311	Cable	1	

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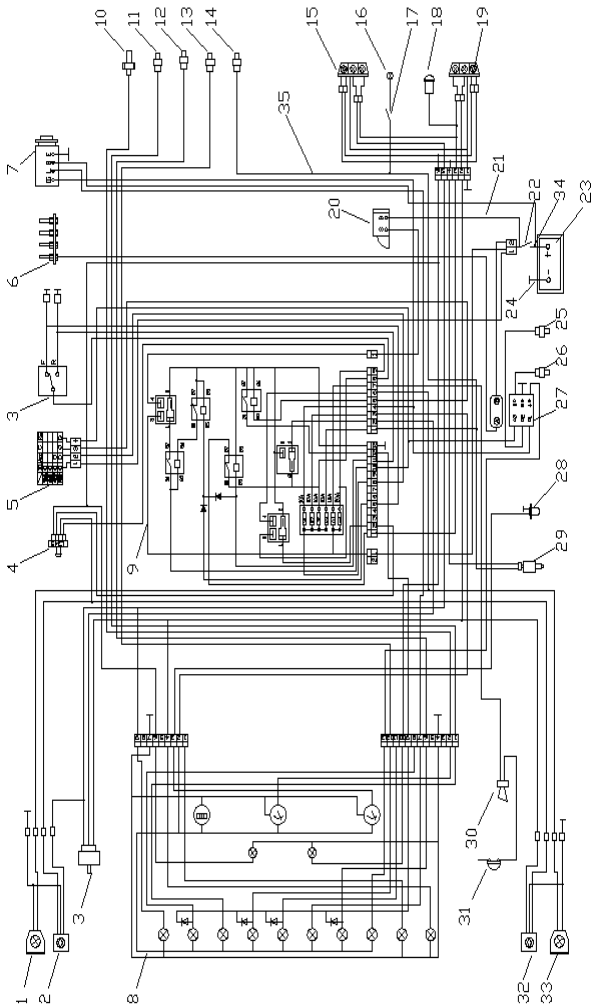
Fig.2 Electrical system	Ⓑ UT20/25P (4TNE92)



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Fig.2 Electrical system

Ⓑ UT20/25P (4TNE92)

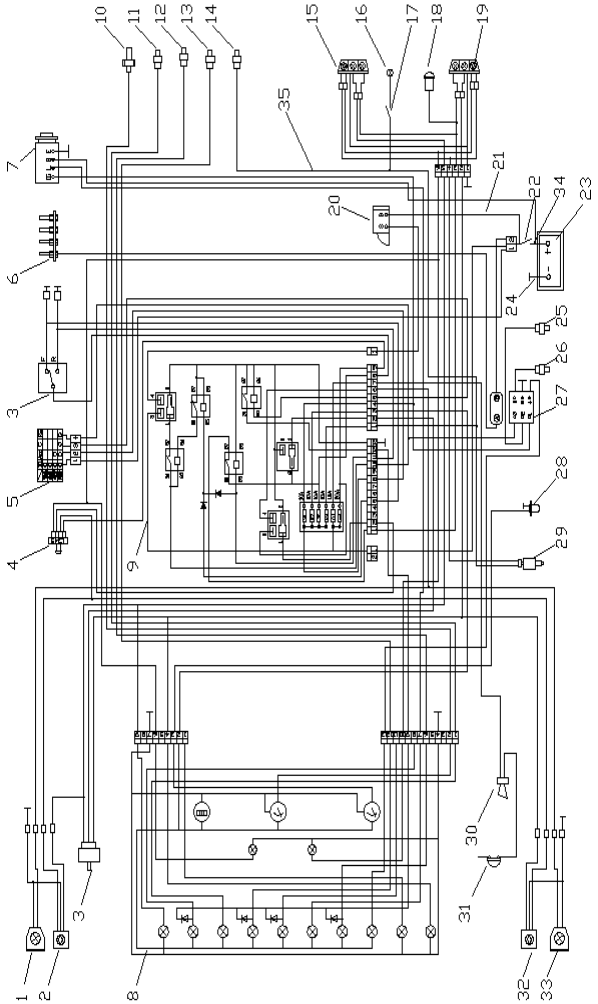


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000824	Head lamp	1	Include bulb
1-1	66000186	Bulb	1	
2	66000838	Front combination lamp	1	Include bulb
2-1	66000850	Bulb	1	
3	66000714	Switch assy,Combination	1	
4	66000194	Head light & signal lamp switch	1	
5	66000195	Pre-heat & start switch	1	
6	66000847	Preheater	1	Supply by engine
7	66000848	Alternator 12V/40A	1	Supply by engine
8	66000578	Instrument assy	1	
9	66000302	Control box	1	
10	66000826	Water temperature sensor	1	Supply by combined meters
11	66000846	Fuel pressure warning switch	1	Supply by engine
12	66000827	Oil warning switch	1	
13	66000853	Watet separate warner	1	Supply by engine

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Fig.2 Electrical system

Ⓑ UT20/25P (4TNE92)

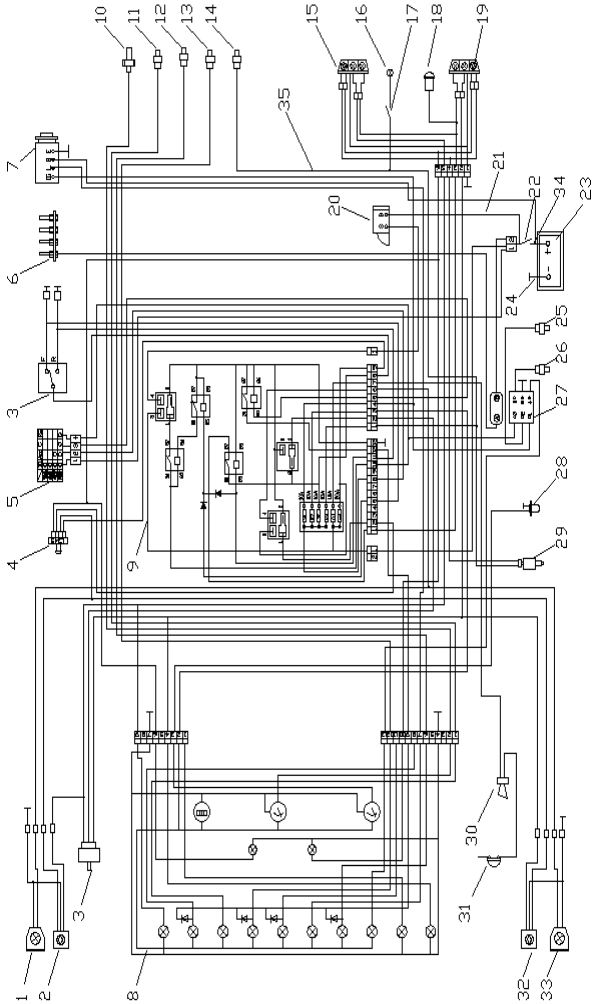


Item	Part No.	Description	Qty	Remarks Or Serial No.
14	No Part No.	Fule outoff switch	1	Supply by engine
15	66000612	Rear combination lamp,Right	1	
16	66000715	Lamp	1	
17	No Part No.	Lamp switch	1	
18	66000575	Buzzer,Back	1	
19	66000611	Rear combination lamp,Left	1	
20	66000852	Starter 12V 2.3KW	1	Supply by engine
21	66000787	Master disconnect to Starter	1	
22	66000013	Master disconnect	1	
23	66000712	Battery		
24	66000574	Battery negative cable	1	
27	66000854	QGS controller	1	Supply by engine
28	66000713	Oil qualiyt switch	1	
29	66000576	Brake switch	1	
30	66000573	Horn	1	

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Fig.2 Electrical system

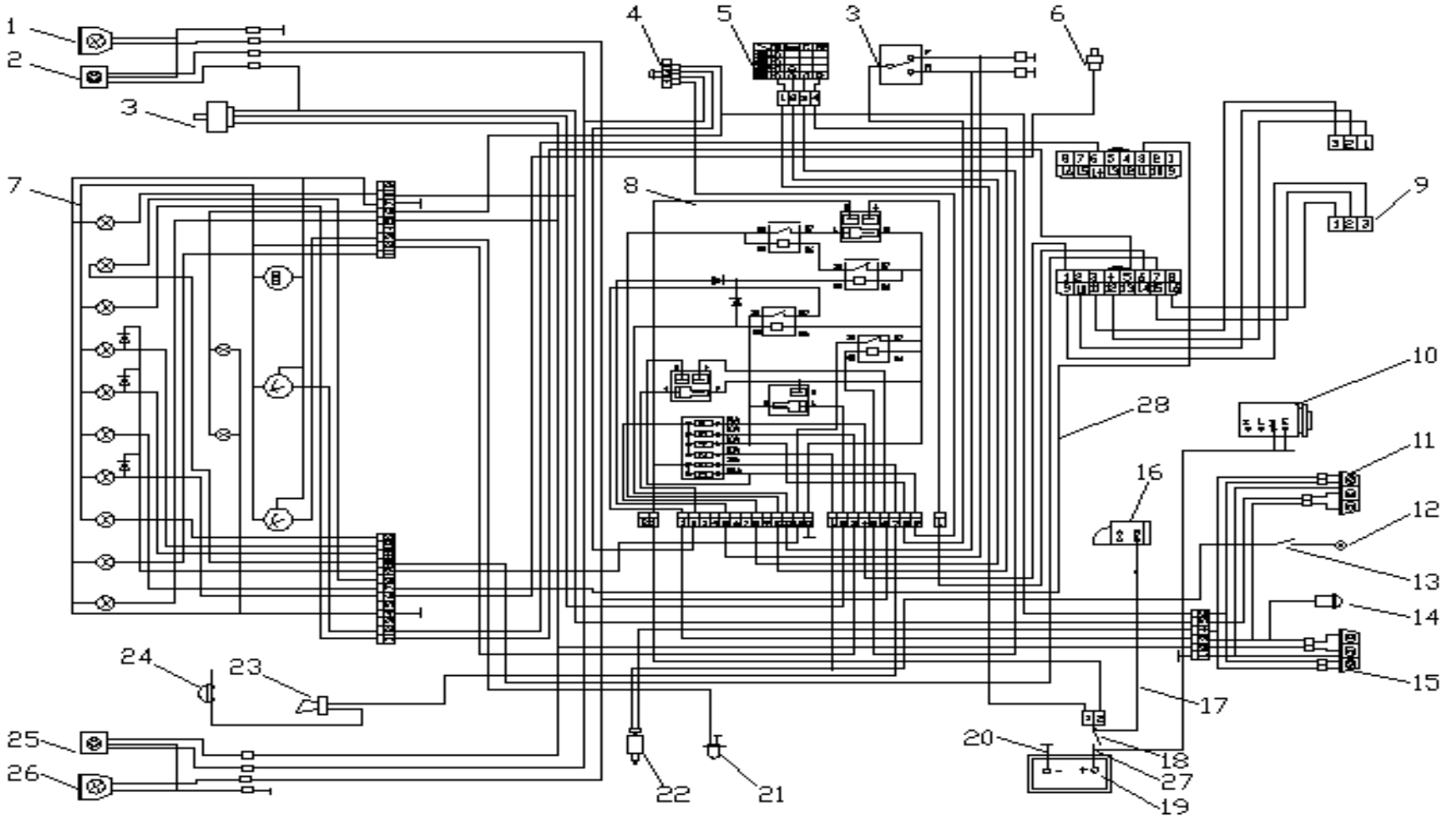
Ⓑ UT20/25P (4TNE92)



Item	Part No.	Description	Qty	Remarks Or Serial No.
31	No Part No.	Horn button	1	Supply by steering wheel
32	66000838	Front combination lamp	1	Include bulb
32-1	66000850	Bulb	1	
33	66000824	Head lamp	1	Include bulb
33-1	66000186	Bulb	1	
34	66000800	Battery to Master disconnect	1	
35	66000314	Cable	1	

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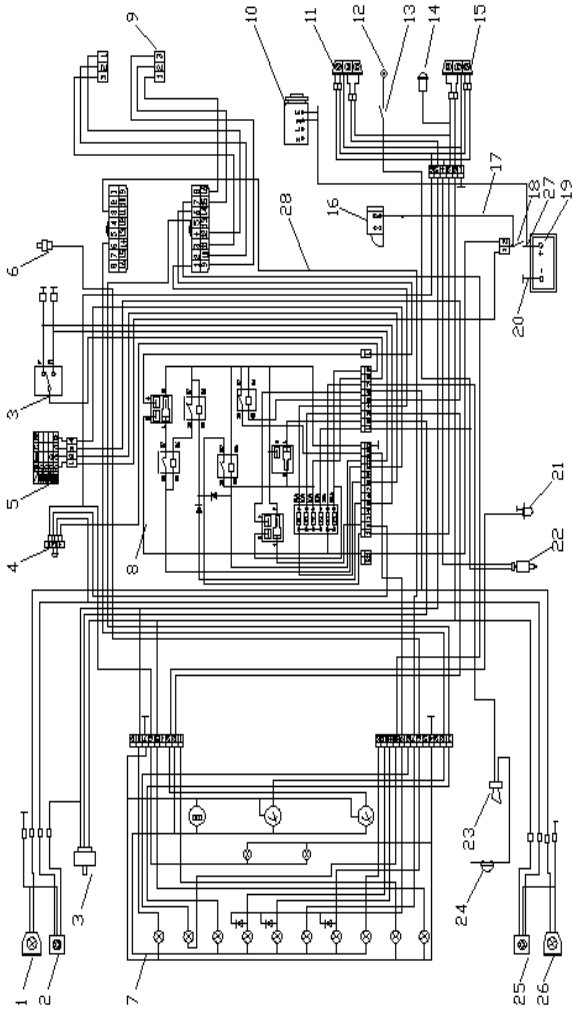
Fig.3 Electrical system	Ⓒ UT20/25P (GM 3.0)



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Fig.3 Electrical system

Ⓒ UT20/25P (GM 3.0)

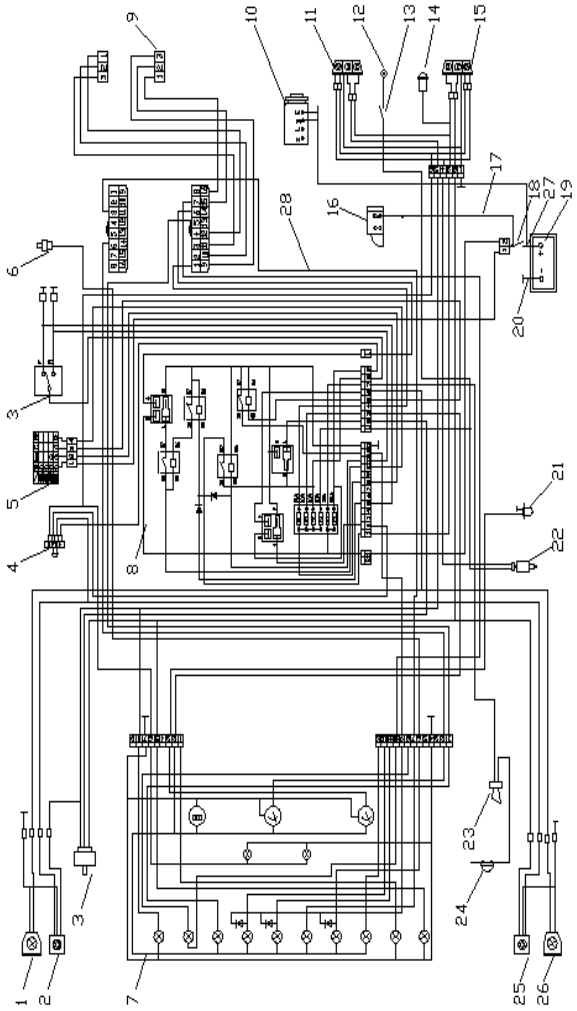


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000824	Head lamp	1	Include bulb
1-1	66000186	Bulb	1	
2	66000838	Front combination lamp	1	Include bulb
2-1	66000850	Bulb	1	
3	66000714	Switch assy,Combination	1	
4	66000194	Head light & signal lamp switch	1	
5	66000195	Pre-heat & start switch	1	
6	66000827	Oil warning switch	1	
7	66000578	Instrument assy	1	
8	66000302	Control box	1	
9	66000898	Accelerator pedal	1	
10	66000902	Alternator 12V/35A	1	Supply by engine
11	66000612	Rear combination lamp,Right	1	
12	66000715	Lamp	1	
13	No Part No.	Lamp switch	1	

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Fig.3 Electrical system

Ⓒ UT20/25P (GM 3.0)

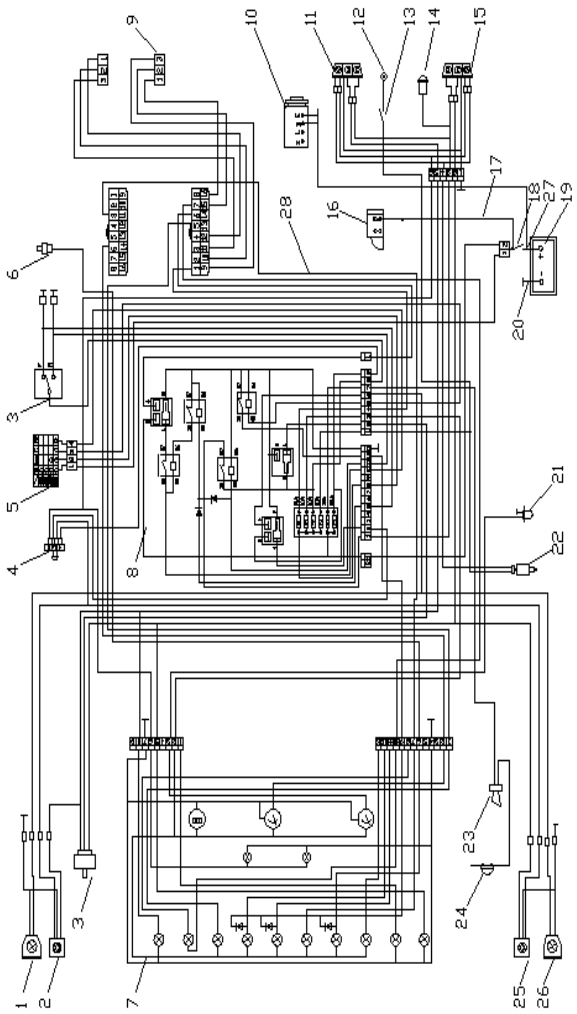


Item	Part No.	Description	Qty	Remarks Or Serial No.
14	66000575	Buzzer,Back	1	
15	66000611	Rear combination lamp,Left	1	
16	66000906	Starter 12V 2KW	1	Supply by engine
17	66000799	Master disconnect to Starter	1	
18	66000013	Master disconnect	1	
19	66000630	Battery	1	
20	66000784	Battery negative cable	1	
21	66000713	Oil qualiyt switch	1	
22	66000576	Brake switch	1	
23	66000573	Horn	1	
24	No Part No.	Horn button	1	Supply by steering wheel
25	66000838	Front combination lamp	1	Include bulb
25-1	66000850	Bulb	1	
26	66000824	Head lamp	1	Include bulb
26-1	66000186	Bulb	1	

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Fig.3 Electrical system

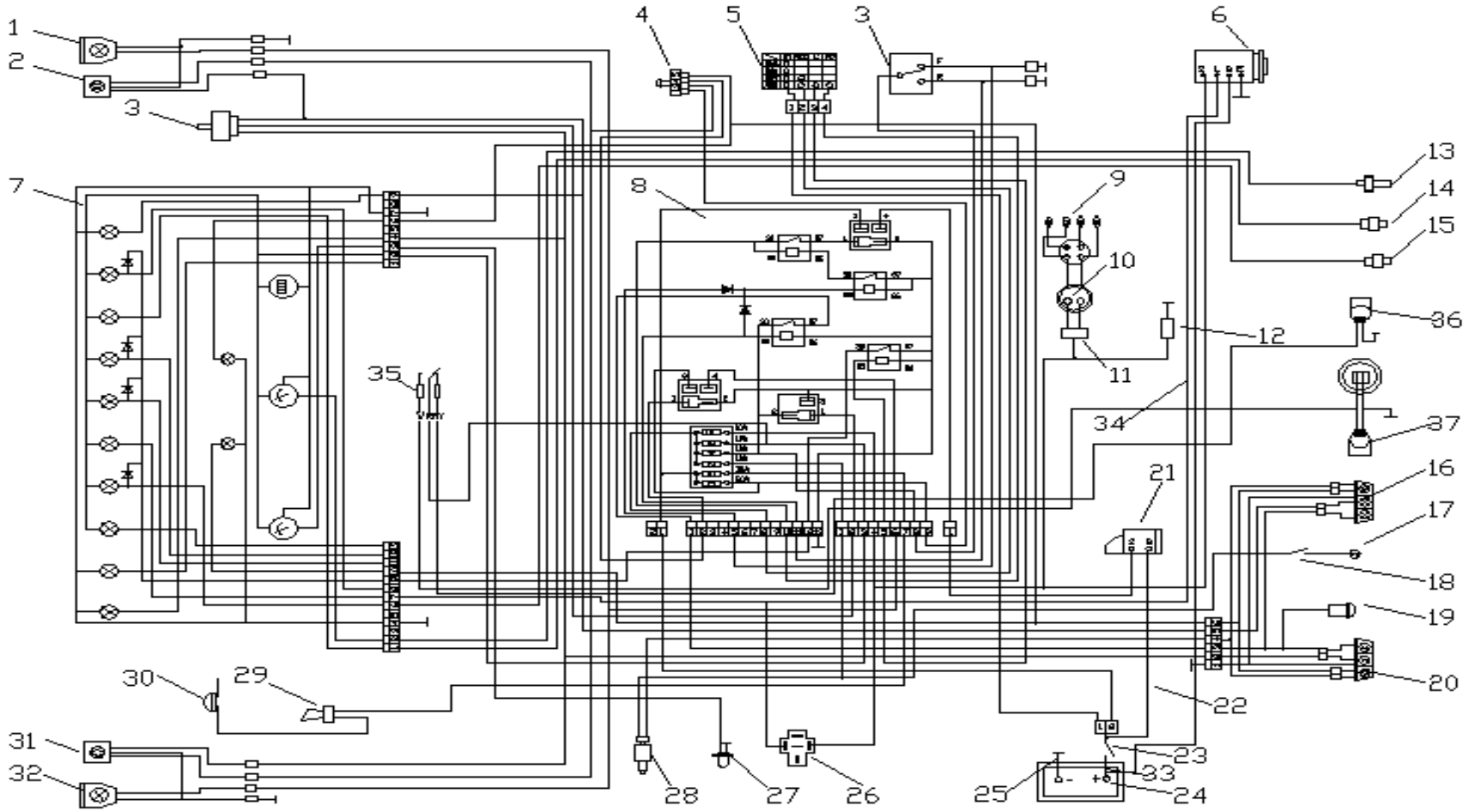
Ⓒ UT20/25P (GM 3.0)



Item	Part No.	Description	Qty	Remarks Or Serial No.
27	66000783	Battery to Master disconnect	1	
28	66000312	Cable	1	

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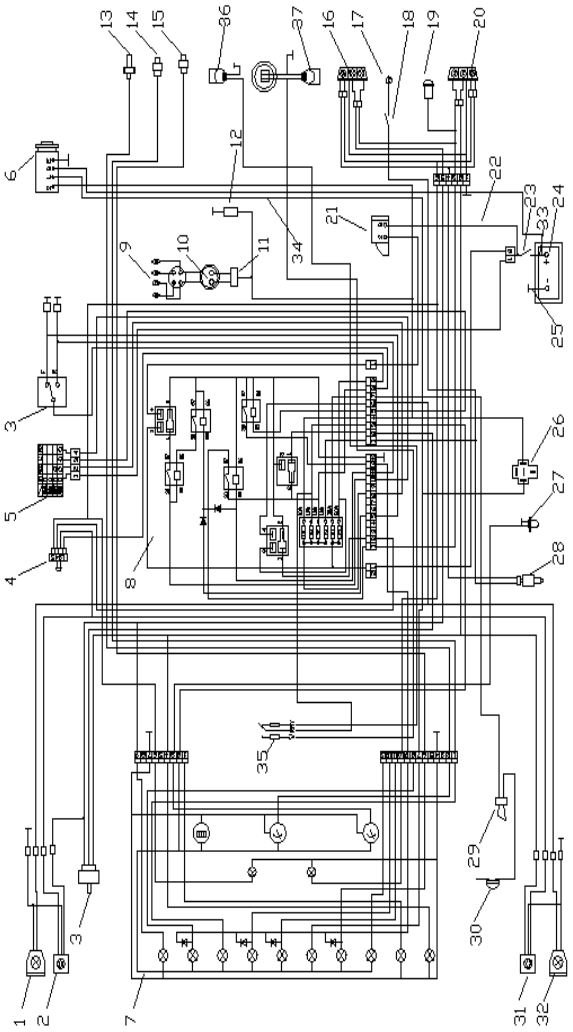
Fig.4 Electrical system	Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y



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Fig.4 Electrical system

Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

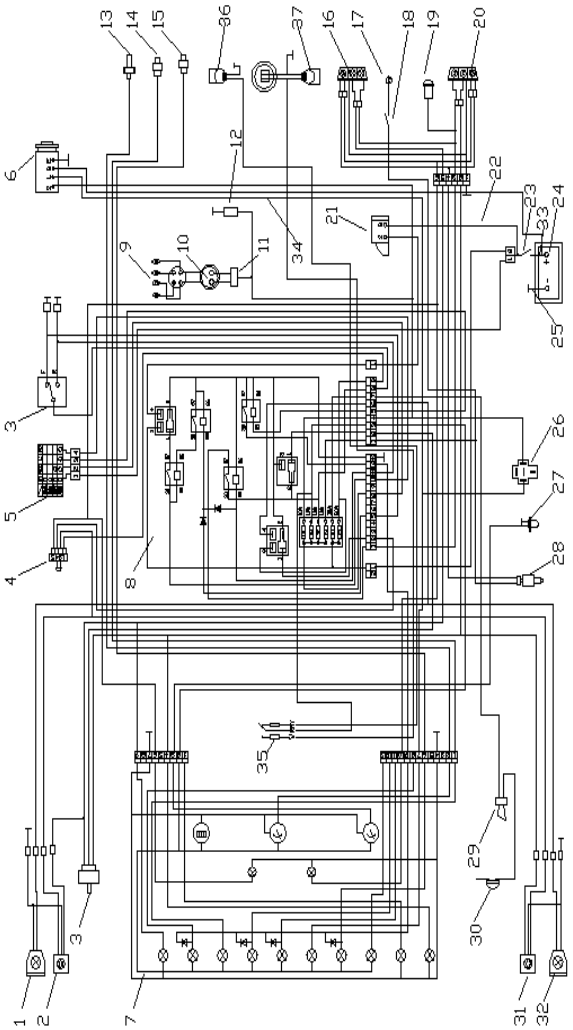


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000824	Head lamp	1	Include bulb
1-1	66000186	Bulb	1	
2	66000838	Front combination lamp	1	Include bulb
2-1	66000850	Bulb	1	
3	66000714	Switch assy,Combination	1	
4	66000194	Head light & signal lamp switch	1	
5	66000195	Pre-heat & start switch	1	
6	66000869	Alternator	1	Supply by engine
7	66000578	Instrument assy	1	
8	66000302	Control box	1	
9	66000860	Spark plug	1	Supply by engine
10	66000857	Current separator	1	Supply by engine
11	66000856	Ignition winding	1	Supply by engine
12	No Part No.	Vaporization	1	Supply by engine
13	66000825	Water temperature sensor	1	Supply by combined meters

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Fig.4 Electrical system

Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

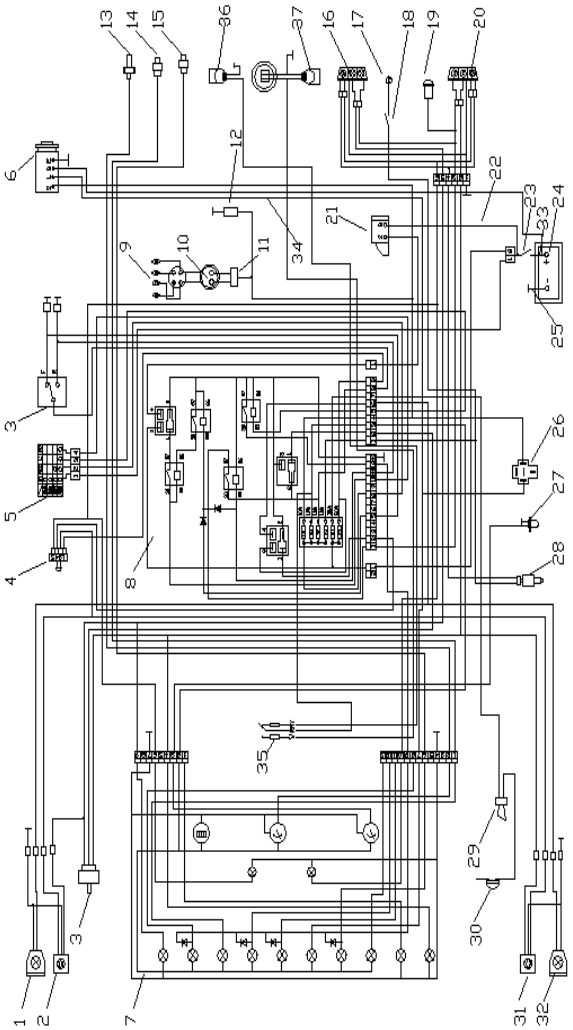


Item	Part No.	Description	Qty	Remarks Or Serial No.
14	66000891	Fuel pressure warning switch	1	Supply by engine
15	66000827	Oil warning switch	1	
16	66000612	Rear combination lamp,Right	1	
17	66000715	Lamp	1	
18	66000193	Lamp switch	1	
19	66000575	Buzzer,Back	1	
20	66000611	Rear combination lamp,Left	1	
21	66000870	Starter	1	Supply by engine
22	66000787	Master disconnect to Starter	1	
23	66000013	Master disconnect	1	
24	66000630	Battery	1	
25	66000574	Battery negative cable	1	
26	66000837	Auto-choke relay	1	Supply by engine
27	66000713	Oil qualiyt switch	1	Ⓓ Ⓕ Ⓖ Ⓘ
28	66000576	Brake switch	1	

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Fig.4 Electrical system

Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

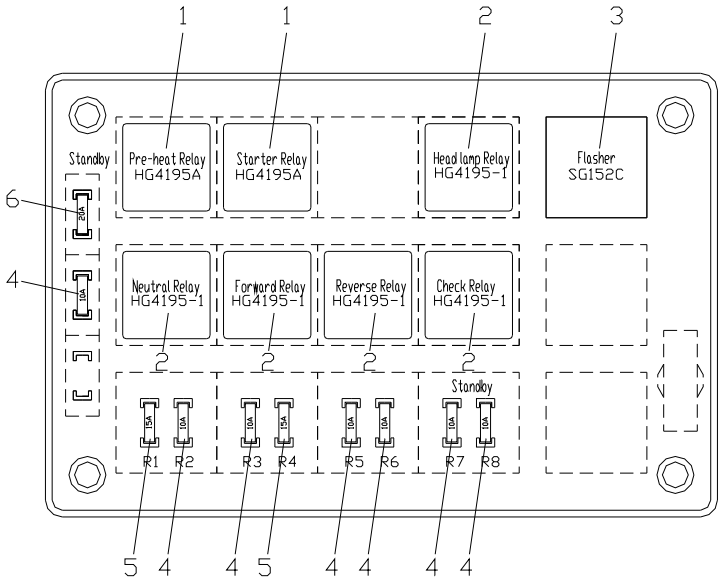


Item	Part No.	Description	Qty	Remarks Or Serial No.
29	66000573	Horn	1	
30	No Part No.	Horn button	1	Supply by steering wheel
31	66000838	Front combination lamp	1	Include bulb
31-1	66000850	Bulb	1	
32	66000824	Head lamp	1	Include bulb
32-1	66000186	Bulb	1	
33	66000800	Battery to Master disconnect	1	
34	66000313	Cable	1	Ⓓ Ⓖ
-	66000315	Cable	1	Ⓔ Ⓗ
-	66000316	Cable	1	Ⓕ Ⓘ
35	66000816	Switch	1	Ⓕ Ⓘ
36	66000820	Oil vavle	1	Ⓕ Ⓘ
37	66000821	LPG valve	1	Ⓕ Ⓘ

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Fig.5 Control box

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y

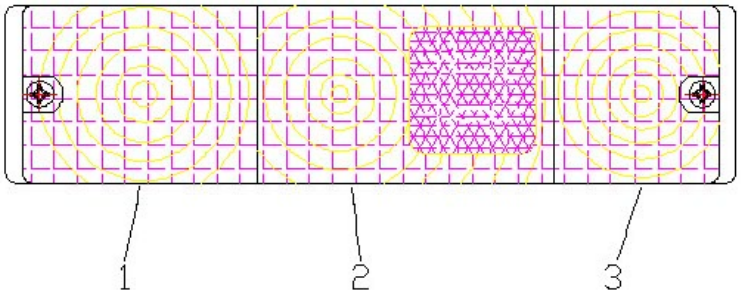


Item	Part No.	Description	Qty	Remarks Or Serial No.
A1	66000302	Control box	1	Inc.1-6
1	66000185	Relay	2	
2	66000184	Relay	5	
3	66000184	Flasher	1	
4	66000004	Fuse 10A	7	
5	66000005	Fuse 15A	2	
6	66000006	Fuse 20A	1	

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Fig.6 Rear combination lamp

Ⓐ UT20/25P (C240) Ⓑ UT20/25P (4TNE92) Ⓒ UT20/25P (GM 3.0)
Ⓓ UT20/25P (K21 LPG) Ⓔ UT20/25P (K21 GAS) Ⓕ UT20/25P (K21 LPG)-Y
Ⓖ UT20/25P (K25 LPG) Ⓗ UT20/25P (K25 GAS) Ⓘ UT20/25P (K25 LPG)-Y



Item	Part No.	Description	Qty	Remarks Or Serial No.
A1	66000611	Rear combination lamp,Left	1	Inc.1-3
A2	66000612	Rear combination lamp,Right	1	Inc.1-3
1	66000851	Bulb	1	
2	66000850	Bulb	1	
3	66000849	Reverse Bulb	1	

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Part Ⅷ Cab system contents

Item	Description	Serial No.	Page
Fig.1	Overall of cab	1.5t～3.5t	8-1
Fig.2	Frame system	1.5t～3.5t	8-3
Fig.3	Top windows system	1.5t～3.5t	8-9
Fig.4	Front windows system	1.5t～3.5t	8-10
Fig.5	Left door system	1.5t～3.5t	8-12
Fig.6	Right door system	1.5t～3.5t	8-14
Fig.7	Rear windows system	1.5t～3.5t	8-17

Note：Cab used for all R series 1.5t ~ 3.5t forklift, height standard overhead guards frame based on 40mm heightening the height.

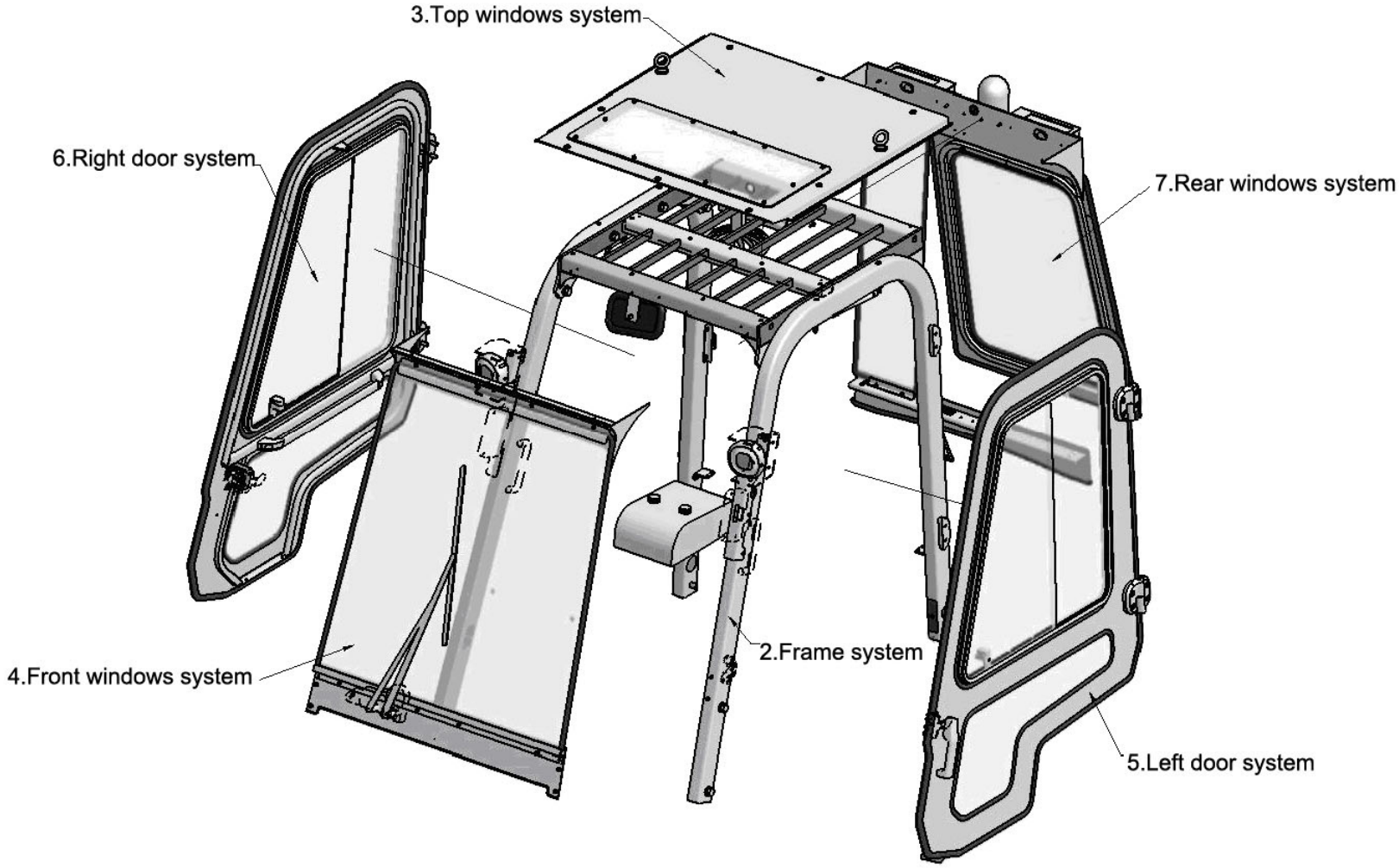
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Fig.1 Overall of cab	1.5t～3.5t



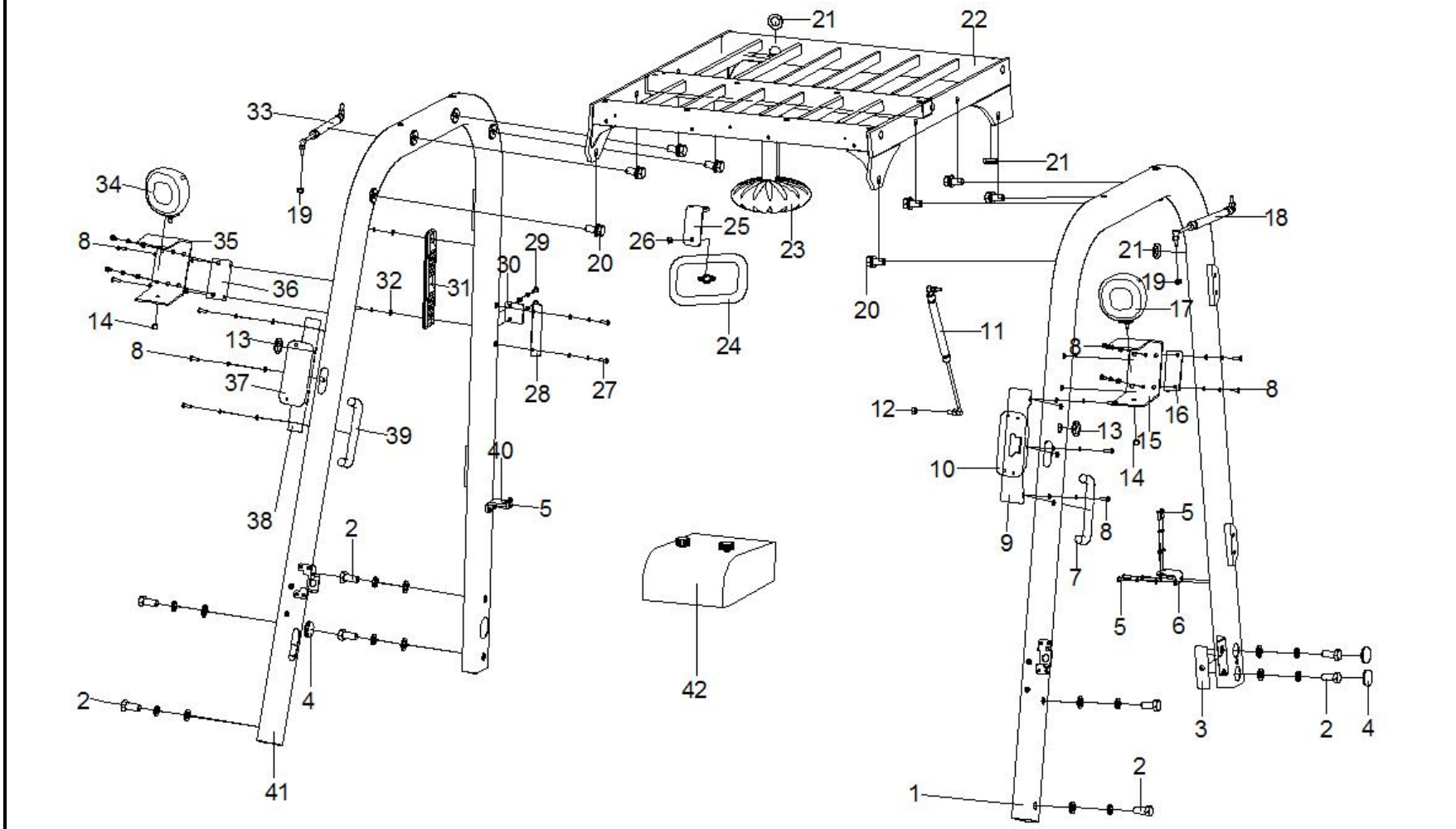
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Fig.1 Overall of cab	1.5t～3.5t



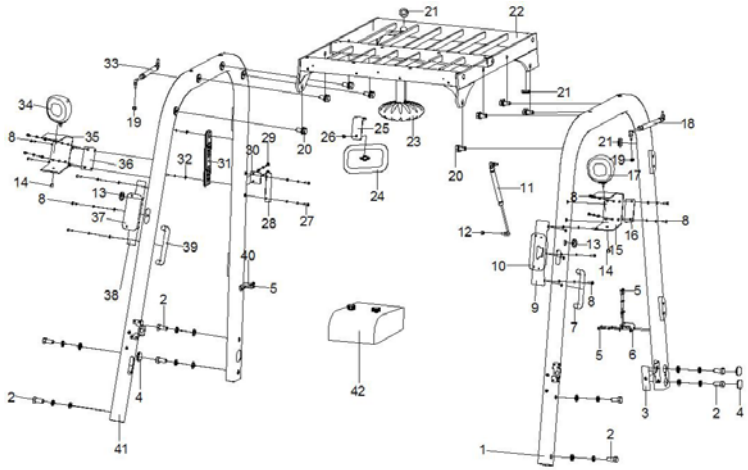
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Fig.2 Frame system	1.5t～3.5t



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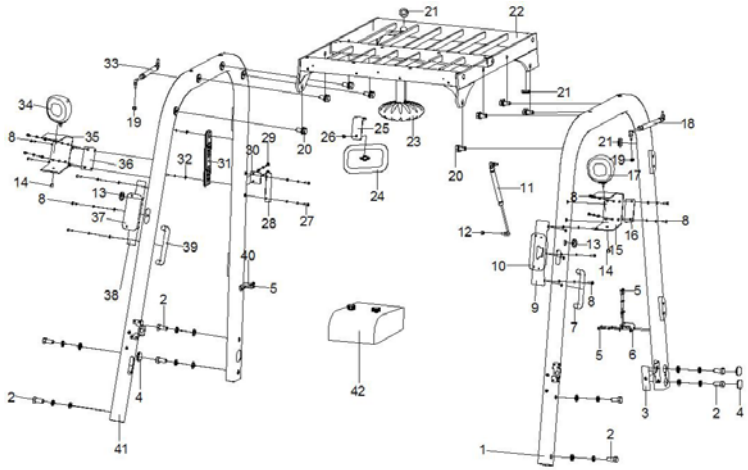
Fig.2 Frame system	1.5t～3.5t



Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000249	Left leg assy	1	
-	66000248	Left leg assy	1	CE
2	66000583	Bolt	8	
-	66000028	Spring pads M16	8	
-	66000034	Flat washers C16	8	
3	66000571	Rear light line sheath	1	
4	66000582	Rubber plug	4	
5	66000021	Screw M6x12	8	
-	66000030	Spring pads M6	8	
-	66000036	Flat washers C6	8	
6	66000225	Rear plate	1	
7	66000235	Handle Right	1	
-	66000234	Handle Right	1	CE
8	66000021	Screw M6x12	14	
-	66000030	Spring pads M6	14	

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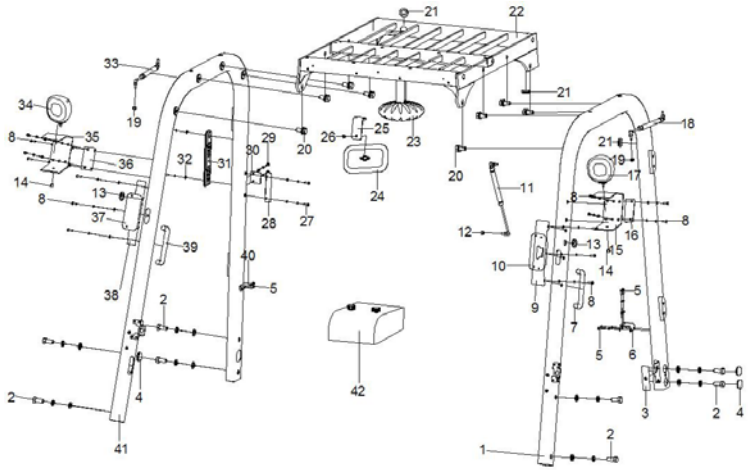
Fig.2 Frame system	1.5t～3.5t



Item	Part No.	Description	Qty	Remarks Or Serial No.
8	66000036	Flat washers C6	14	
9	66000220	Cover plate	1	
10	66000579	Front combination lamp	1	
11	66000244	Rear windows spring	1	
12	66000016	Hexagon nuts M8	1	
13	66000570	Front light line sheath	2	
14	66000017	Locking nut	2	
15	66000716	Head lamp mounting	1	
16	66000205	Headlamp bracket	1	
17	66000824	Head lamp	1	Include bulb
18	66000204	Spring	1	
19	66000016	Hexagon nuts M8	2	
20	66000473	Bolt assy	8	
21	66000570	light line sheath	3	
22	66000252	Overhead guard assy	1	

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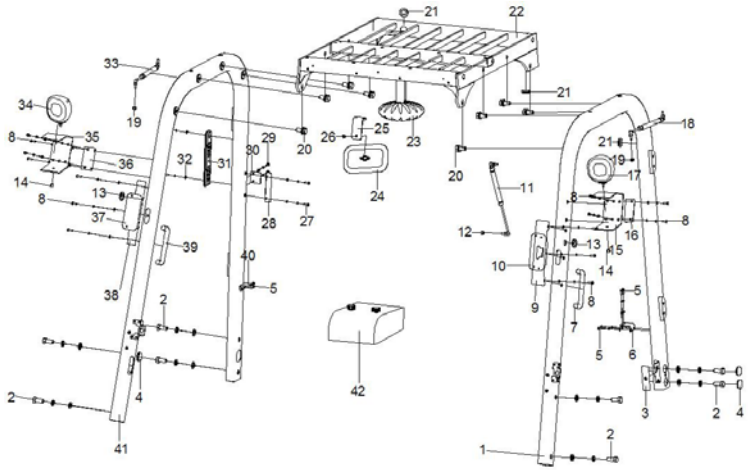
Fig.2 Frame system	1.5t～3.5t



Item	Part No.	Description	Qty	Remarks Or Serial No.
22	66000251	Overhead guard assy	1	CE
23	66000201	Fan assy	1	12V
-	66001065	Fan assy	1	12V CE
24	66000896	Rearview mirror	1	
25	66000217	Mirror bracket	1	
-	66000025	M8x20 screw M8x20	2	
-	66000031	Spring pads M8	2	
-	66000037	Flat washers C8	2	
26	66000016	Hexagon nuts M8	1	
27	66000024	Screw M6x20	2	
-	66000030	Spring pads M6	2	
-	66000036	Flat washers C6	2	
28	66000224	Rear baffle plate	1	
29	66000024	Screw M6x20	2	
-	66000030	Spring pads M6	2	

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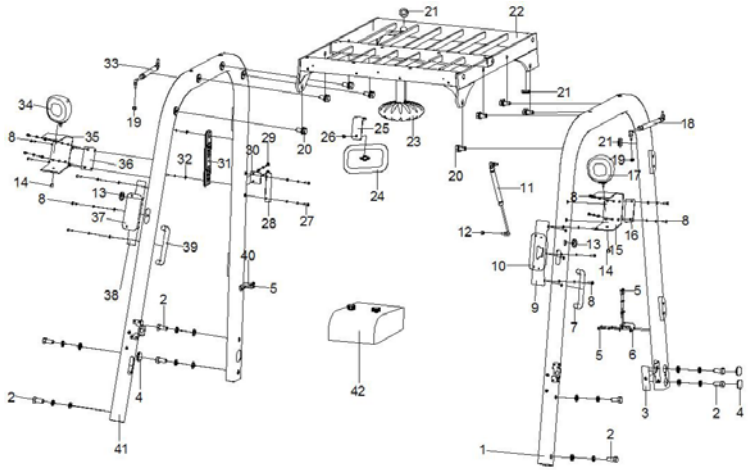
Fig.2 Frame system	1.5t～3.5t



Item	Part No.	Description	Qty	Remarks Or Serial No.
29	66000036	Flat washers C6	2	
30	66000214	Platen	1	
31	66000580	Cover plate	1	
32	66000020	Screw M5x8	2	
-	66000029	Spring pads M5	2	
-	66000035	Flat washers C5	2	
33	66000204	Spring	1	
34	66000824	Head lamp	1	Include bulb
35	66000716	Head lamp mounting	1	
36	66000205	Headlamp bracket	1	
37	66000579	Front combination lamp	1	
38	66000220	Cover plate	1	
39	66000235	Handle Right	1	
-	66000234	Handle Right	1	CE
40	66000225	Rear plate	1	

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Fig.2 Frame system	1.5t～3.5t

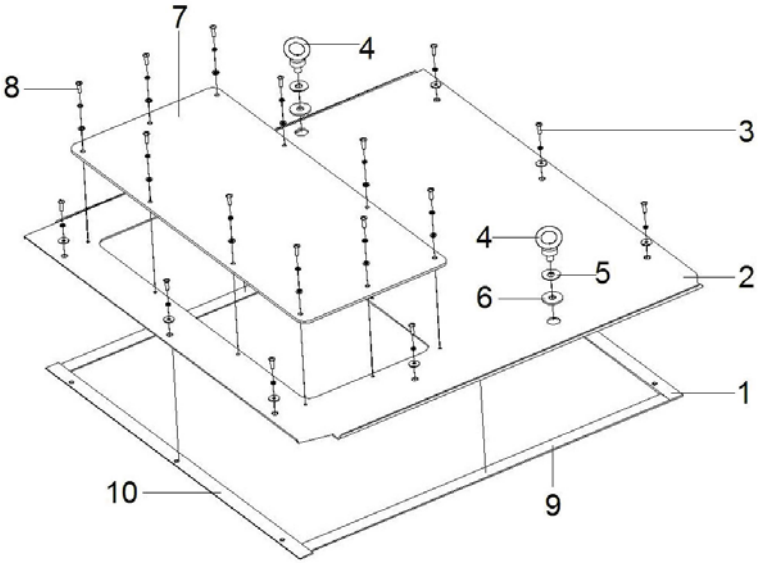


Item	Part No.	Description	Qty	Remarks Or Serial No.
41	66000250	Right leg assy	1	
42	66000198	Fan heater(new 12V)	1	
-	66000202	Fan heater(new 12V)	1	CE

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Fig.3 Top windows system

1.5t～3.5t

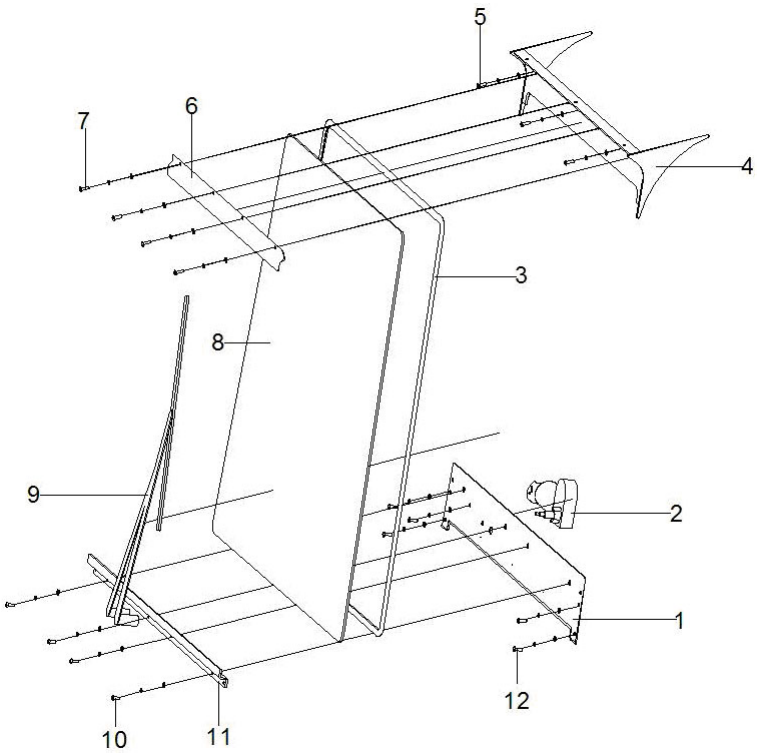


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000233	Seal 2	1	
2	66000246	Top plate	1	
3	66000022	Screw M6x16	3	
-	66000024	Screw M6x20	6	
-	66000030	Spring pads M6	9	
-	66000036	Flat washers C6	9	
4	66000026	Eyebolts M12	2	
5	66000033	Flat washers C12	2	
6	66000212	Eyebolts rubber washer	2	
7	66000230	Top windows glass	1	
8	66000022	Screw M6x16	10	
-	66000030	Spring pads M6	10	
-	66000036	Flat washers C6	10	
9	66000232	Seal 3	1	
10	66000231	Seal 1	1	

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Fig.4 Front windows system

1.5t～3.5t

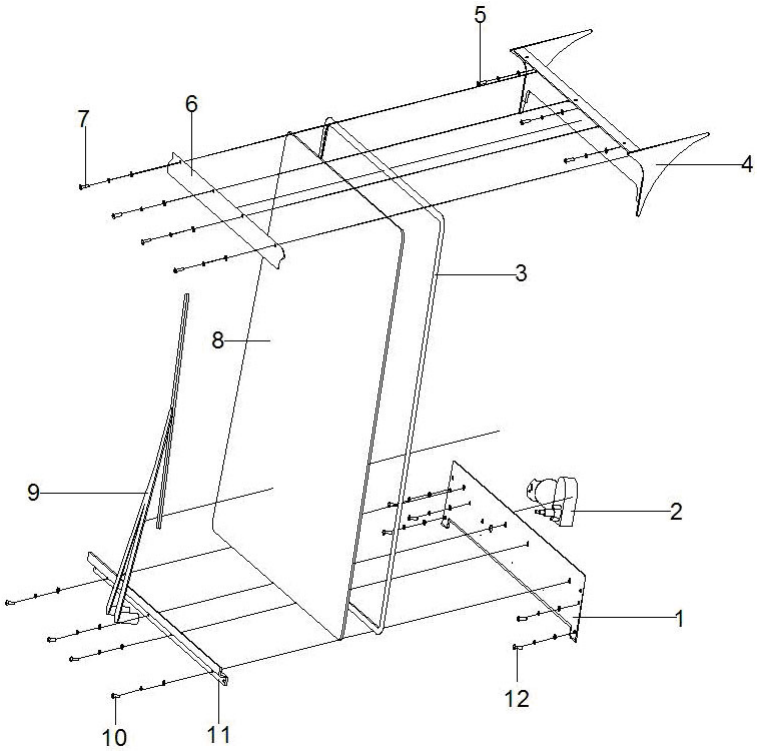


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000210	Plug board	1	
2	66000003	Wiper motor	1	12V
3	66000236	Front windshield article card	1	
4	66000206	Front board	1	
5	66000024	Screw M6x20	3	
-	66000030	Spring pads M6	3	
-	66000036	Flat washers C6	3	
6	66000213	Press plate	1	
7	66000021	Screw M6x12	4	
-	66000030	Spring pads M6	4	
-	66000036	Flat washers C6	4	
8	66000227	Front windshield	1	
9	66000243	Wiper brush	1	
10	66000021	Screw M6x12	4	
-	66000030	Spring pads M6	4	

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Fig.4 Front windows system

1.5t～3.5t

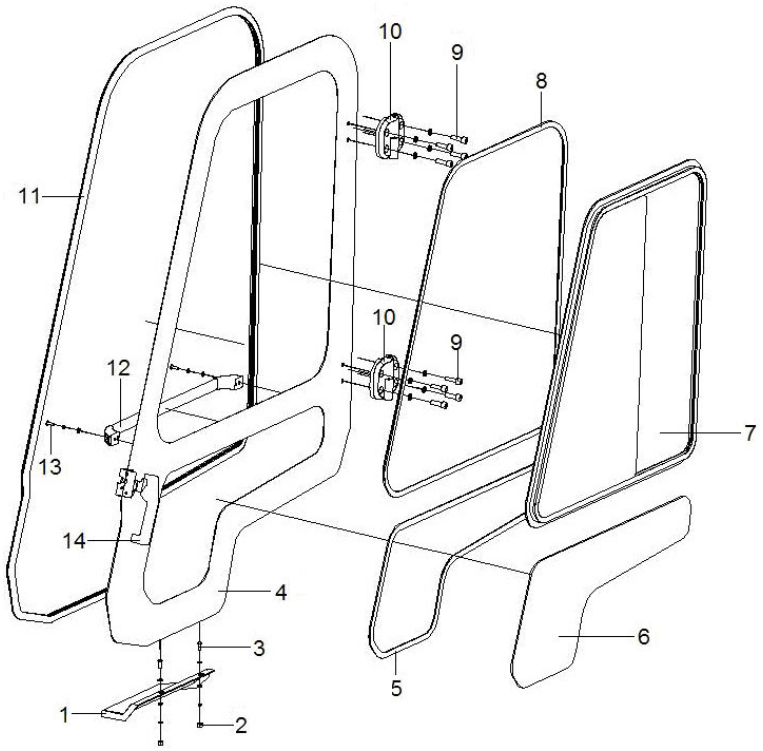


Item	Part No.	Description	Qty	Remarks Or Serial No.
10	66000036	Flat washers C6	4	
11	66000209	Platen	1	
12	66000021	Screw M6x12	5	
-	66000030	Spring pads M6	5	
-	66000036	Flat washers C6	5	
13	66000259	Spray bottle bracket	1	
14	66000260	Spray bottle assy	1	

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Fig.5 Left door system

1.5t～3.5t

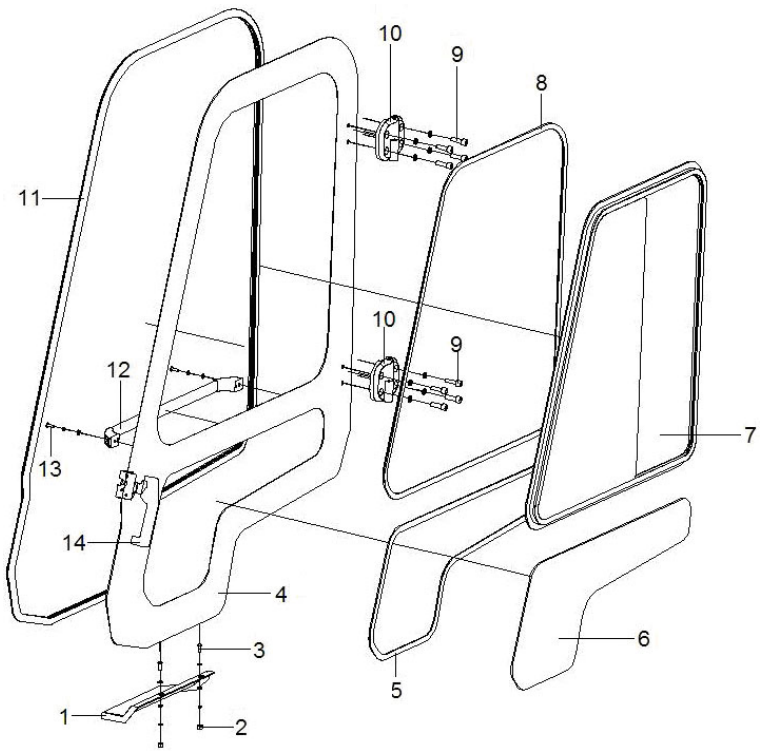


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000197	Left pedal	1	1.5t-1.8t
-	66000223	Left pedal	1	2.0t-3.5t
2	66000015	Hexagon nuts M6	2	
-	66000030	Spring pads M6	2	
-	66000036	Flat washers C6	2	
3	66000024	Screw M6x20	2	
-	66000036	Flat washers C6	2	
4	66000253	Left door assy	1	
5	66000238	Small glass rubbe	1	
6	66000216	Small glass	1	
7	66000221	AL windows assy	1	
8	66000245	AL windows rubber	1	
9	66000018	Screw M10x35	8	
-	66000027	Spring pads M10	8	
10	66000191	Left hinge assy	2	

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Fig.5 Left door system

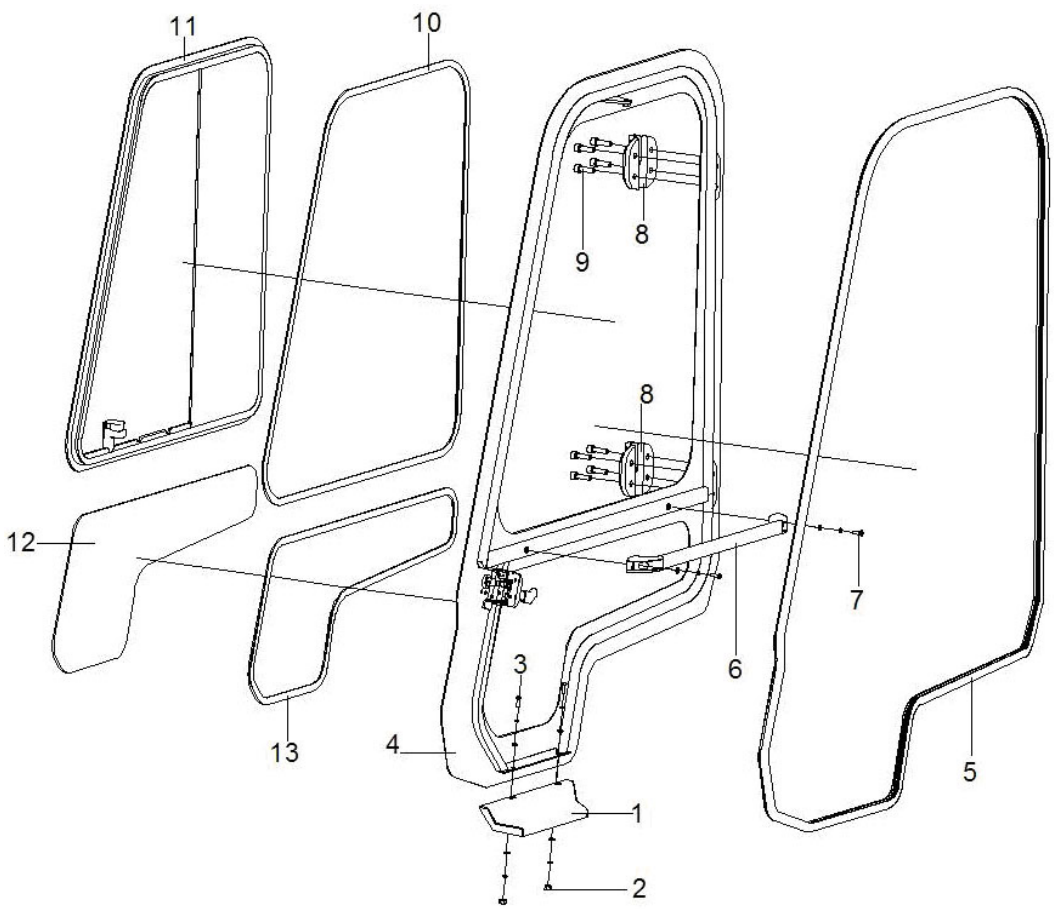
1.5t～3.5t

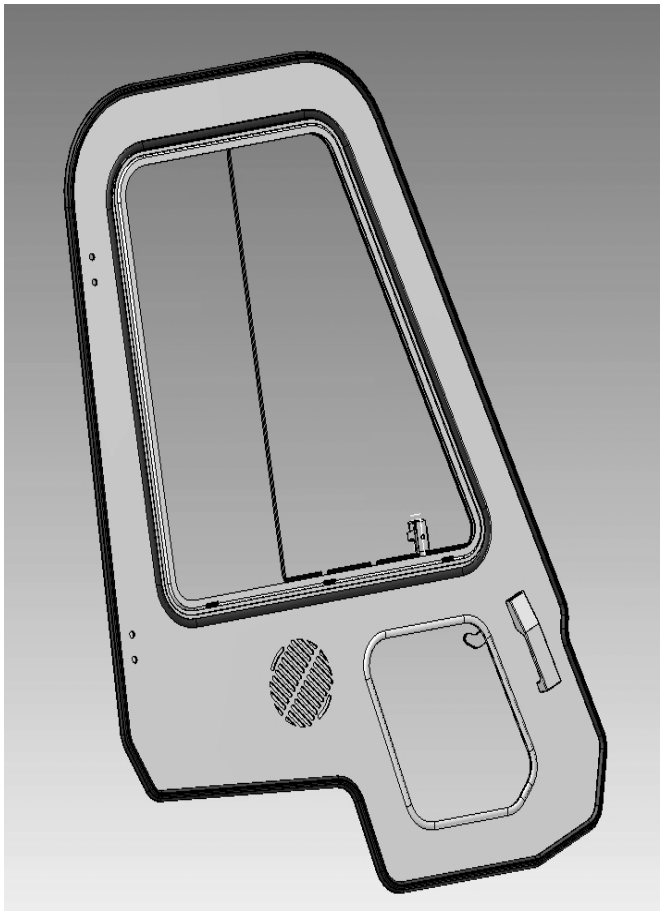


Item	Part No.	Description	Qty	Remarks Or Serial No.
11	66000239	Left door seal	1	
12	66000200	Door handle	1	
13	66000023	Screw M6x18	2	
-	66000030	Spring pads M6	2	
-	66000036	Flat washers C6	2	
14	66000203	Door locking assy	1	

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Fig.6 Right door system	1.5t～3.5t

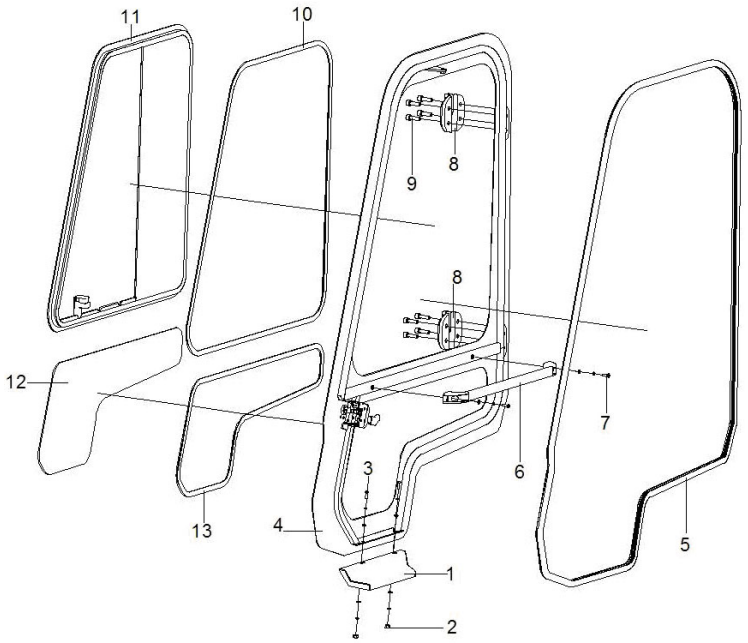




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Fig.6 Right door system

1.5t～3.5t

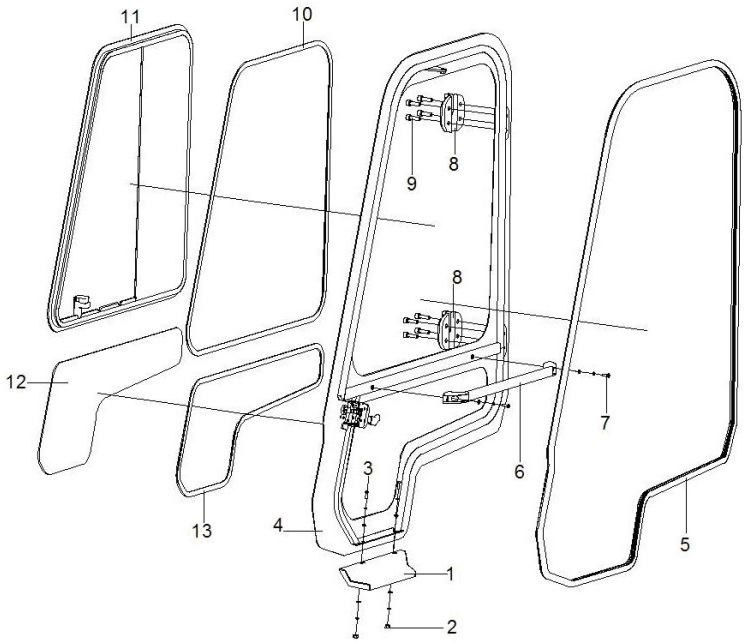


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000196	Light pedal	1	1.5t-1.8t
-	66000222	Light pedal	1	2.0t-3.5t
2	66000015	Hexagon nuts M6	2	
-	66000030	Spring pads M6	2	
-	66000036	Flat washers C6	2	
3	66000021	Screw M6x12	2	
-	66000036	Flat washers C6	2	
4	66000255	Right door assy	1	
-	66000254	Right door assy	1	CE
5	66000239	Left door seal	1	
6	66000200	Door handle	1	
-	66000199	Door handle	1	CE
7	66000023	Screw M6x18	2	
-	66000030	Spring pads M6	2	
8	66000192	Right hinge assy	2	

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Fig.6 Right door system

1.5t～3.5t

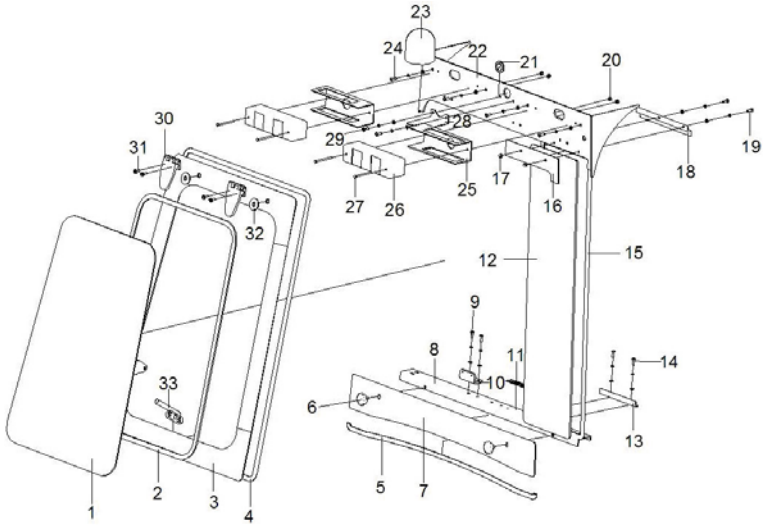


Item	Part No.	Description	Qty	Remarks Or Serial No.
9	66000018	Screw M10x35	8	
-	66000027	Spring pads M10	8	
10	66000245	AL windows rubber	1	
11	66000221	AL windows assy	1	
12	66000216	Glass right	1	
-	66000215	Glass right	1	CE
13	66000238	Rubber right	1	
-	66000237	Rubber right	1	CE

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Fig.7 Rear windows system

1.5t～3.5t

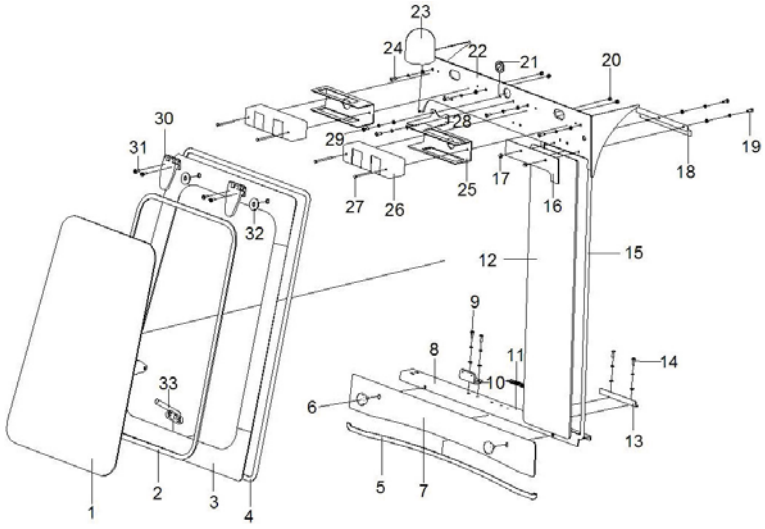


Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000228	Rear glass	1	
2	66000240	Rear glass article Card	1	
3	66000257	Rotary windows assy	1	
-	66000256	Rotary windows assy	1	CE
4	66000241	Rear windows frame seal	1	
5	66000258	Tank plate	1	
6	66000476	Hand wheel	2	
7	66000207	Tank plate article card	1	
8	66000208	Tank plate	1	
9	66000021	Screw M6x12	2	
-	66000030	Spring pads M6	2	
-	66000036	Flat washers C6	2	
10	66000218	Rear windows switch	1	
11	66000226	English signs	1	According to demand
12	66000229	Rear windows fixed glass	1	

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Fig.7 Rear windows system

1.5t～3.5t



Item	Part No.	Description	Qty	Remarks Or Serial No.
13	66000211	Rear fixed plate	1	
14	66000021	Screw M6x12	2	
-	66000030	Spring pads M6	2	
-	66000036	Flat washers C6	2	
15	66000242	Rear fixed glass rubber pad	1	
16	66000219	Platen	1	
17	66000019	Cap nut M6	2	
18	66000247	Baffle	1	
19	66000021	Screw M6x12	2	
-	66000030	Spring pads M6	2	
-	66000036	Flat washers C6	2	
20	66000019	Cap nut M6	4	
-	66000030	Spring pads M6	4	
-	66000036	Flat washers C6	4	

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2t～3.5t Internal Combustion Counterbalanced Forklift Truck

MAST PARTS MANUAL

July 2011 1st Edition

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INFORMATION

Ⅰ.This catalogue collects all the parts (components) in series of 2 ton – 3.5 ton Utilev fork lift trucks, such as SIMPLEX MAST, DUPLEX MAST and TRIPLEX MAST.

Ⅱ.Looking up methods:

Ⅰ) Users can lookup the part (component) series number according to the truck's rated load and mast types, and then you can find the drawing codes and standards of the part (the component) in terms of the series number.

Ⅱ) On the top right corner, there is an expression of rated load and mast types which are applicable for this assembly. Furthermore ， please lookup the parts(components)which used for different lift height distinctively in the Schedule.

Ⅲ. When you order the parts (components), the truck's Model, factory number ,mast height, code Number of drawing, name and quantity should be given when ordering the parts or the components.

Ⅳ. It is recommended to use the parts and components made by us for ideal the service and maintenance.

Ⅴ. We reserve the right of the change of the truck in construction for improving our products without notice. For the details of changes, please consult with sales department of NMHG.

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Item	Description	Serial NO.	Page
Fig.1	Lifting part (I)	2t-3.5t SIMPLEX MAST R-Type	1
Fig.2	Chain assy	2t-3.5t SIMPLEX MAST R-Type	5
Fig.3	Mast	2t-3.5t SIMPLEX MAST R-Type	7
Fig.4	Fork assy	2t-3.5t SIMPLEX MAST	10
Fig.5	Side shifter assy	2t-3.5t SIMPLEX MAST	12
Fig.6	Side shift cylinder	2t-3.5t SIMPLEX MAST DUPLEX MAST TRIPLEX MAST	15
Fig.7	Lifting cylinder,Right / Left	2t-3.5t SIMPLEX MAST	16
Fig.8	Tilting cylinder	2t-3.5t SIMPLEX MAST DUPLEX MAST TRIPLEX MAST	22
Fig.9	Mast piping	2t-3.5t SIMPLEX MAST R-Type	26
Fig.10	Side shifter piping	1t-3.5t SIMPLEX MAST	29
Fig.11	Lifting part	2t-3.5t DUPLEX MAST	33
Fig.12	Chain assy	2t-3.5t DUPLEX MAST	38
Fig.13	Mast	2t-3.5t DUPLEX MAST	41
Fig.14	Fork carriage assy	2t-3.5t DUPLEX MAST	44
Fig.15	Side shifter assy	2t-3.5t DUPLEX MAST TRIPLEX MAST	46

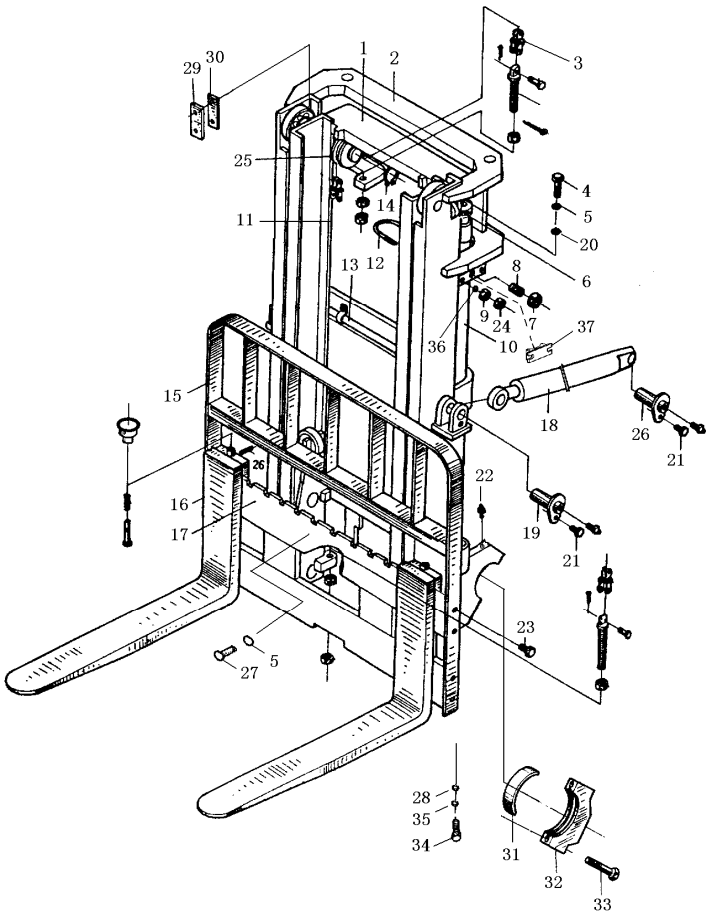
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Item	Description	Serial NO.	Page
Fig.16	Lifting cylinder,Right / Left	2t-2.5t DUPLEX MAST	49
Fig.17	Lifting cylinder,Right / Left	3t-3.5t DUPLEX MAST	52
Fig.18	Lifting cylinder,Short	2t-3.5t DUPLEX MAST	56
Fig.19	Mast piping	2t-2.5t DUPLEX MAST	62
Fig.20	Mast piping	3t-3.5t DUPLEX MAST	65
Fig.21	Side shifter piping	2t-3.5t DUPLEX MAST	67
Fig.22	Lifting part	2t-3.5t TRIPLEX MAST	73
Fig.23	Chain assy	2t-3.5t TRIPLEX MAST	79
Fig.24	Mast	2t-3.5t TRIPLEX MAST	82
Fig.25	Fork carriage assy	2t-3.5t TRIPLEX MAST	87
Fig.26	Lifting cylinder,Right / Left	2t-3.5t TRIPLEX MAST	89
Fig.27	Lifting cylinder,Short	2t-3.5t TRIPLEX MAST	96
Fig.28	Mast piping	2t-3.5t TRIPLEX MAST	99
Fig.29	Side shifter piping	2t-3.5t TRIPLEX MAST	102

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Fig.1 Lifting part (Ⅰ)

2t-3.5t SIMPLEX MAST （R-Type）

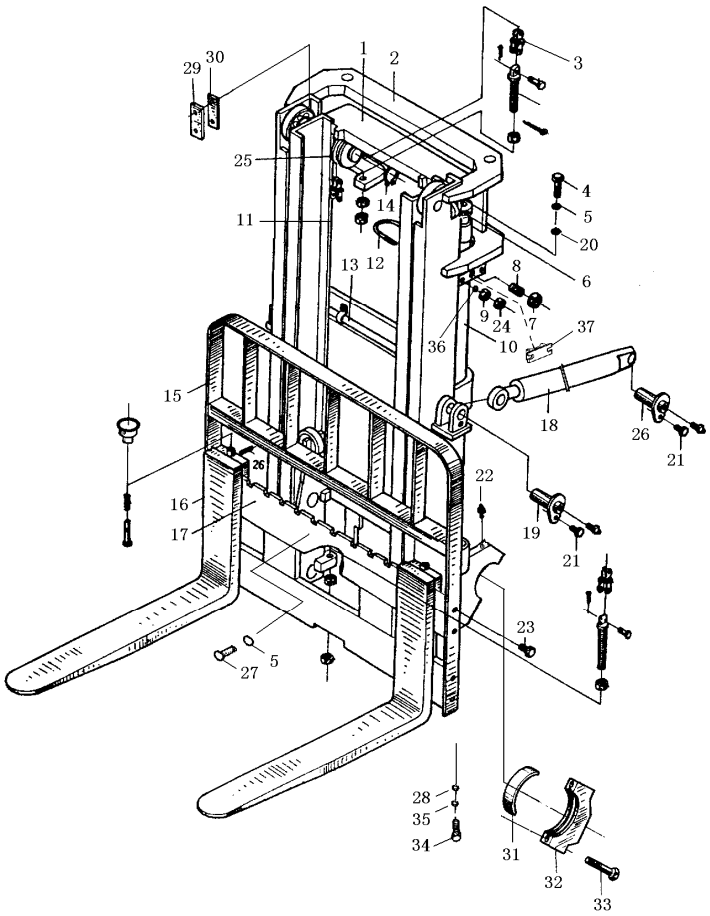


Item	Part NO.	Description	Qty	Remarks or Serial NO.
1	66002205	Inside mast	1	Fig.3 (2t-3t)
-	66002282	Inside mast	1	Fig.3 (3.5t)
2	66002204	Outside mast	1	Fig.3 (2t-3t)
-	66002281	Outside mast	1	Fig.3 (3.5t)
3	66002203	Chain assy	2	Fig.2 (2t-3t)
-	66002280	Chain assy	2	Fig.2 (3.5t)
4	66001214	Bolt M12×1.25×40	2	
5	66000067	Washer 12	3	
6	66001588	Ajust gasket	2	
7	66001217	Nut M20	2	
8	66001702	Screw M20×46	2	
9	66000146	Nut M8	4	
10	66001320	Lift cylinder,Left	1	Fig.7 (2t-2.5t) 3m
-	66001609	Lift cylinder,Left	1	Fig.7 (3t) 3m
-	66001917	Lift cylinder,Left	1	Fig.7 (3.5t) 3m

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Fig.1 Lifting part (Ⅰ)

2t-3.5t SIMPLEX MAST （R-Type）

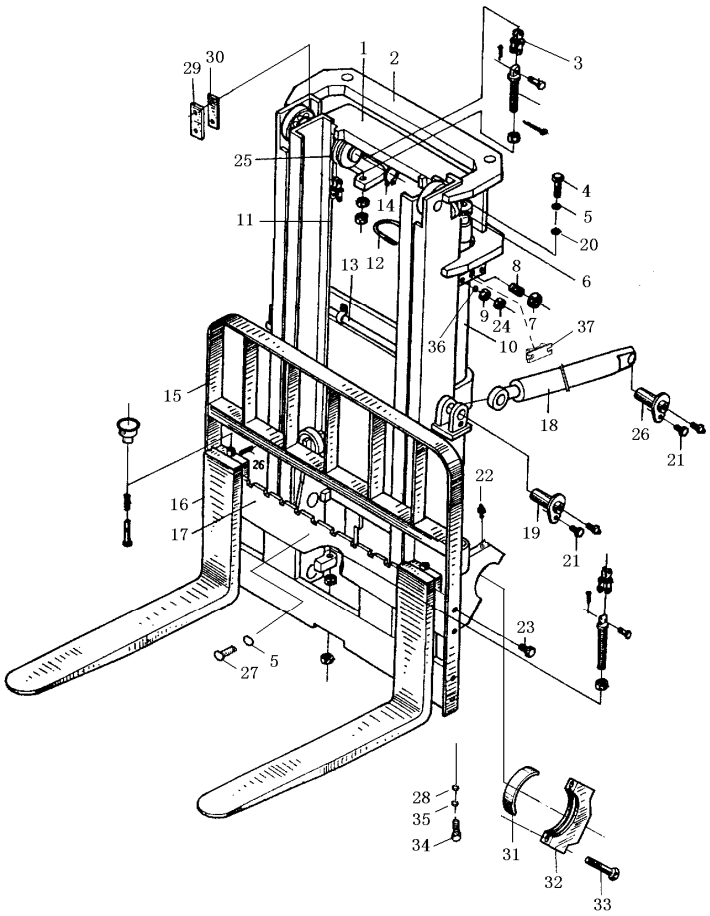


Item	Part NO.	Description	Qty	Remarks or Serial NO.
11	66001311	Lift cylinder,Right	1	Fig.7 (2t-2.5t) 3m
-	66001600	Lift cylinder,Right	1	Fig.7 (3t) 3m
-	66001908	Lift cylinder,Right	1	Fig.7 (3.5t) 3m
12	66001404	U-Bolt	2	2t-2.5t
-	66001701	U-Bolt	2	3t
-	66001997	U-Bolt	2	3.5t
13	NO PART NO.	Oil pipe system	1	Fig.9 (2t-2.5t)
-	NO PART NO.	Oil pipe system	1	Fig.9 (3t)
-	NO PART NO.	Oil pipe system	1	Fig.9 (3.5t)
14	66001224	Snap ring 45	2	
15	66001310	Load Backrest	1	2t-2.5t
-	66001599	Load Backrest		3t-3.5t
16	66001309	Fork assy	2	2t-2.5t
-	66001597	Fork assy	2	3t
-	66001907	Fork assy	2	3.5t

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Fig.1 Lifting part (Ⅰ)

2t-3.5t SIMPLEX MAST （R-Type）

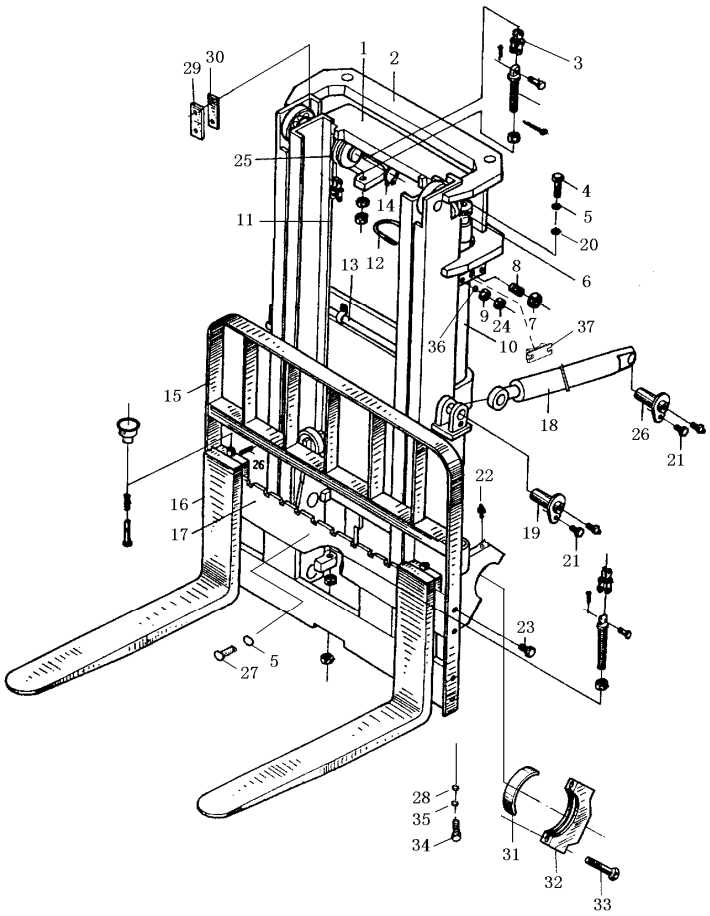


Item	Part NO.	Description	Qty	Remarks or Serial NO.
17	66002185	Fork shelf assy	1	Fig.4 (2t-2.5t)
-	66002206	Fork shelf assy	1	Fig.4 (3t)
-	66002283	Fork shelf assy	1	Fig.4 (3.5t)
-	66002183	Side shifter assy	1	Fig.5 (2t-2.5t)
-	66002188	Side shifter assy	1	Fig.5 (3t)
-	66002269	Side shifter assy	1	Fig.5 (3.5t)
18	66002210	Tilt cylinder	2	Fig.10(2t-3t)
-	66002285	Tilt cylinder		Fig.10(3.5t)
19	66001703	Pin shaft	2	
20	66000165	Washer 12	2	
21	66001593	Bolt M10×1.25×20	4	
22	66001187	Oil cup M10×1	6	
23	66001595	Bolt M14×1.5×30	8	
24	66001185	Nut M8	4	
25	66002622	Chain wheel	2	2t-3t

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Fig.1 Lifting part (Ⅰ)

2t-3.5t SIMPLEX MAST （R-Type）

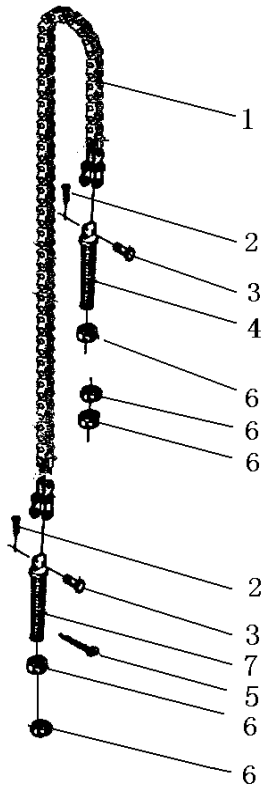


Item	Part NO.	Description	Qty	Remarks or Serial NO.
-	66002625	Chain wheel	2	3.5t
26	66001591	Pin shaft	2	
27	66001211	Bolt M12×25	1	
28	66000066	Washer 10	2	
29	66001589	Guide board	2	
30	66001590	Ajust shim	2	
31	66001585	Axle bush	2	
32	66001584	Bearing cap	2	
33	66001594	Bolt M18×1.5×55	4	
34	66001169	Screw M10×30	2	
35	66000164	Washer 10	2	
36	66000163	Washer 8	4	
37	66002352	cylinder’s support	2	2t-2.5t
–	66002537	cylinder’s support	2	3t-3.5t

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Fig.2 Chain assy

2t-3.5t SIMPLEX MAST （R-Type）



Item	Part NO.	Description	Qty	Remarks or Serial NO.
A1	See Optional Parts List 1	Chain assy	1	INC:1-7 (2t-3t)
A2	See Optional Parts List 1	Chain assy	1	INC:1-7 (3.5t)
1	NO PART NO.	Chain LH1623×75	1	2t-3t 3m
-	NO PART NO.	Chain LH1634×81	1	3.5t 3m
2	66001174	Pin 3×20	2	2t-3t
-	66000059	Pin 3.2×20	2	3.5t
3	NO PART NO.	Pin shaft	2	2t-3t
-	NO PART NO.	Pin shaft	2	3.5t
4	NO PART NO.	Connector	2	2t-3t
-	NO PART NO.	Connector	2	3.5t
5	66001177	Pin 2.5×28	1	
6	66000150	Nut M20×1.5	5	
7	NO PART NO.	Connector	1	2t-3t
-	NO PART NO.	Connector	1	3.5t

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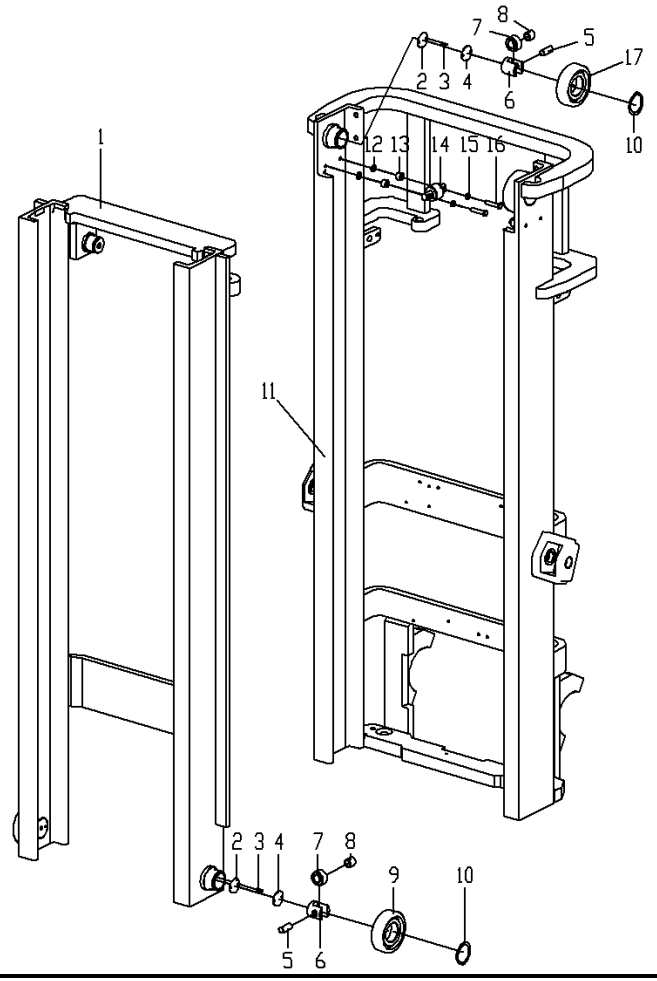
<Optional Parts List 1> (2t-3.5t)

Item No.	**A1**	**A2**
Lift Height	Part NO.	Part NO.
2000	66002190	66002271
2500	66002193	66002274
2700	66002198	66002277
3000	66002203	66002280
3300	66002217	66002290
3500	66002222	66002293
3600	66002227	66002296
3800	/	66002299
4000	66002232	66002300
4300	66002237	66002303
4500	66002244	66002307
4800	66002249	66002310
5000	66002254	66002313
5500	66002259	66002316
6000	66002264	66002319

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Fig.3 Mast

2t-3.5t SIMPLEX MAST （R-Type）

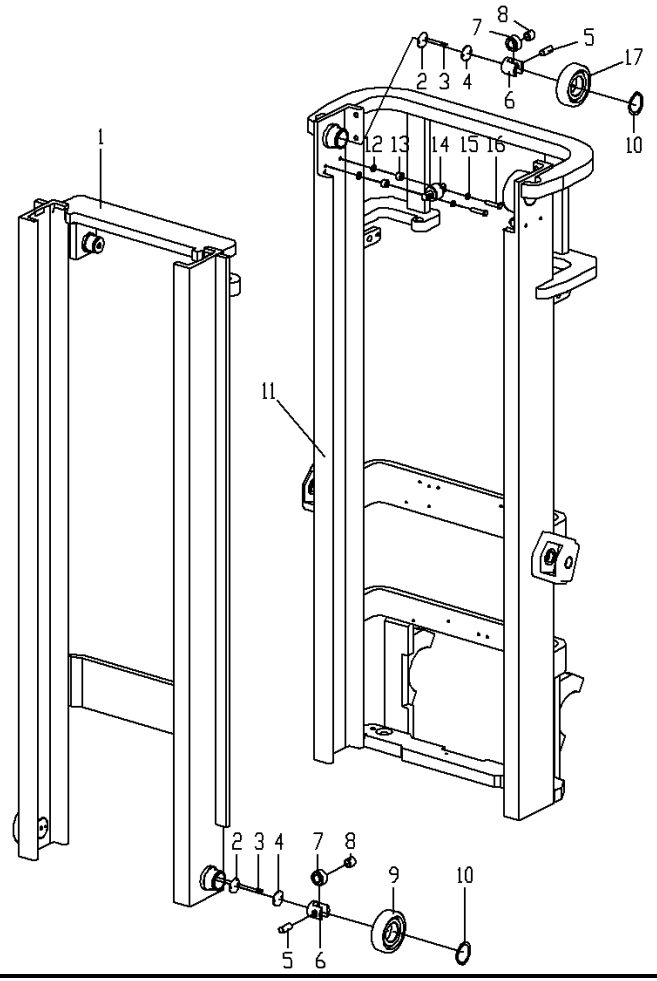


Item	Part NO.	Description	Qty	Remarks or Serial NO.
1	See Optional Parts List 2	Inside mast	1	2t-3t
-	See Optional Parts List 2	Inside mast	1	3.5t
2.	66002438	Ajusting shim	4 sets	
3	66001181	Pin 4×20	8	
4	66002437	Rubber cover	4	
5	66002532	Shaft	4	
6	66002436	Seat	4	
7	66002533	Side roller	4	
8	66002534	Bush,side roller	4	
9	66002626	Cross roller 55×119×34	2	
10	66001225	Snap ring 55	4	
11	See Optional Parts List 2	Outside mast	1	2t-3t
-	See Optional Parts List 2	Outside mast	1	3.5t
12	66001586	Ajusting shim	4	
13	66001587	Washer	4	

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Fig.3 Mast

2t-3.5t SIMPLEX MAST （R-Type）



Item	Part NO.	Description	Qty	Remarks or Serial NO.
14	66001100	Cross roller	2	
15	66000066	Washer 10	4	
16	66000108	Bolt M10×45	4	
17	66002627	Cross roller 55×120×34	2	

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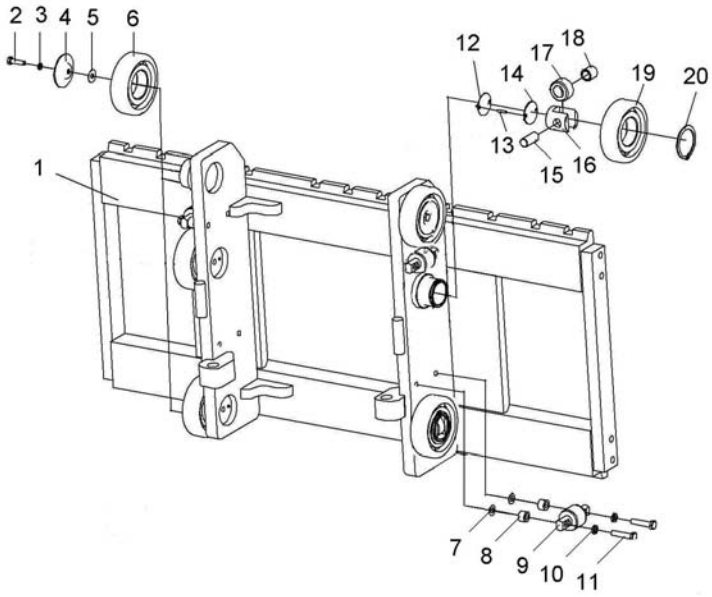
<Optional Parts List 2> (2t-3.5t)

Item No.	1(2t-3t)	1(3.5t)	11(2t-3t)	11(3.5 t)
Lift Height	Part NO.	Part NO.	Part NO.	Part NO.
2000	66002192	66002273	66002191	66002272
2500	66002195	66002276	66002194	66002275
2700	66002200	66002279	66002199	66002278
3000	66002205	66002282	66002204	66002281
3300	66002219	66002292	66002218	66002291
3500	66002224	66002295	66002223	66002294
3600	66002229	66002298	66002228	66002297
4000	66002234	66002302	66002233	66002301
4300	66002239	66002305	66002238	66002304
4500	66002246	66002309	66002245	66002308
4800	66002251	66002312	66002250	66002311
5000	66002256	66002315	66002255	66002314
5500	66002261	66002318	66002260	66002317
6000	66002266	66002321	66002265	66002320

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Fig.4 Fork carriage assy

2t-3.5t SIMPLEX MAST

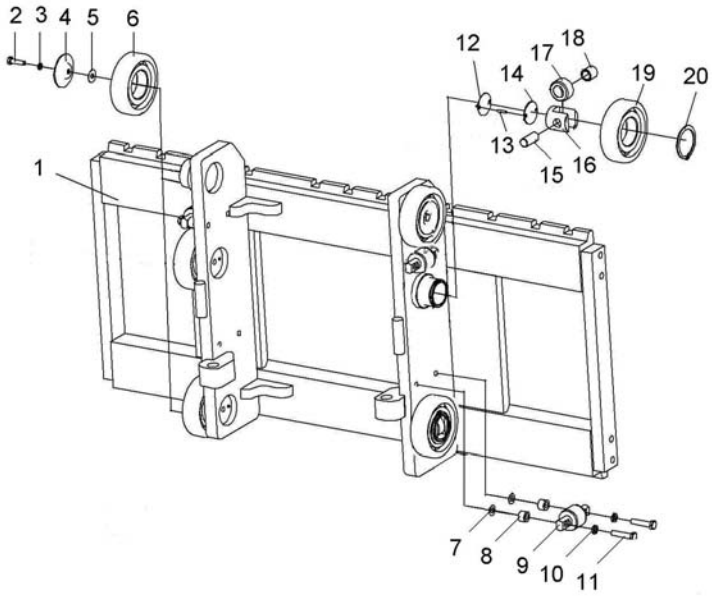


Item	Part NO.	Description	Qty	Remarks or Serial NO.
1	66002186	Fork carriage	1	R-type 2t-2.5t
-	66002207	Fork carriage	1	R-type 3t
-	66002284	Fork carriage	1	R-type 3.5t
A1	66002538	Roller assy	4	INC:2-6
2	66000117	Bolt M8×20	4	
3	66000065	Washer 8	4	
4	66002448	Press cover	4	
5	66002447	Ajusting shi	4	
6	66002626	Cross roller 55×119×34	4	
A2	66002208	Cross roller assy	4	INC:7-11
7	66001586	Ajusting shim	8	
8	66001587	Washer	8	
9	66002209	Cross roller	4	
10	66000066	Washer 10	8	
11	66000108	Bolt M10×45	8	

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Fig.4 Fork carriage assy

2t-3.5t SIMPLEX MAST

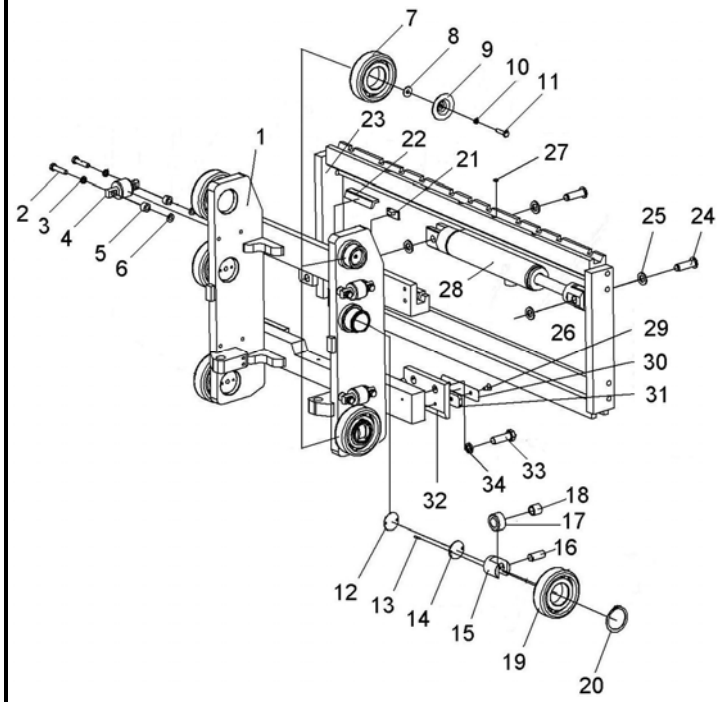


Item	Part NO.	Description	Qty	Remarks or Serial NO.
A3	66002540	Complex roller assy	2	INC:12-20
12	66002438	Ajusting shim	4	
13	66001181	Pin 4×20	8	
14	66002437	Rubber cover	4	
15	66002532	Shaft	4	
16	66002436	Seat	4	
17	66002533	Side roller	4	
18	66002534	Bush,side roller	4	
19	66002541	Cross roller	2	
20	66001225	Snap ring 55	4	

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Fig.5 Side shifter assy

2t-3.5t SIMPLEX MAST

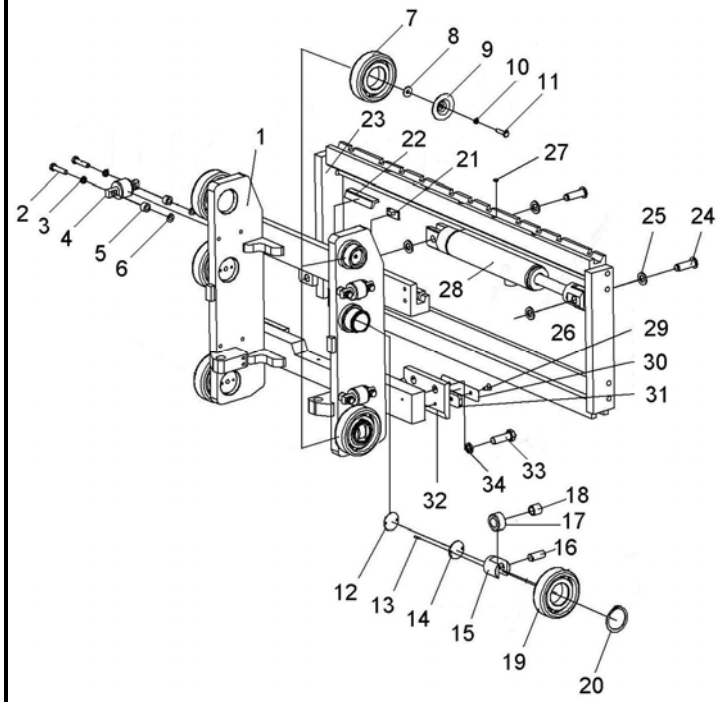


Item	Part NO.	Description	Qty	Remarks or Serial NO.
1	66002184	Fork carriage	1	2t-2.5t
-	66002189	Fork carriage	1	3t
-	66002270	Fork carriage	1	3.5t
A1	66002208	Cross roller assy	4	INC:2-6
2	66000108	Bolt M10×45	8	
3	66000066	Washer 10	8	
4	66002209	Cross roller	4	
5	66001587	Washer	8	
6	66001586	Ajusting shim	8	
A2	66002538	Roller assy	4	INC:7-11
7	66002626	Cross roller 55×119×34	4	
8	66002447	Ajusting shim	4	
9	66002448	Press cover	4	
10	66000065	Washer 8	4	
11	66000117	Bolt M8×20	4	

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Fig.5 Side shifter assy

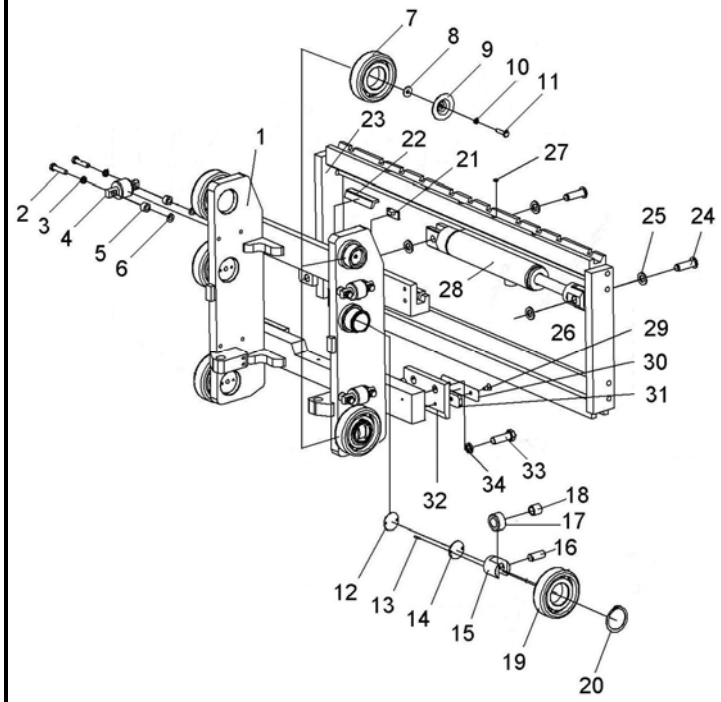
2t-3.5t SIMPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
A3	66002540	Complex roller assy	2	INC:12-20
12	66002438	Ajusting shim	2	
13	66001181	Pin 4×20	4	
14	66002437	Rubber cover	2	
15	66002436	Seat	2	
16	66002532	Shaft	2	
17	66002534	Bush,side roller	2	
18	66002533	Side roller	2	
19	66002541	Cross roller	2	
20	66001225	Snap ring 55	2	
21	66002347	Block	2	
22	66002324	Plug	3	
23	66001286	Side shift carriage	1	2t-2.5t
-	66001289	Side shift carriage	1	3t-3.5t
24	66002326	Shaft	2	

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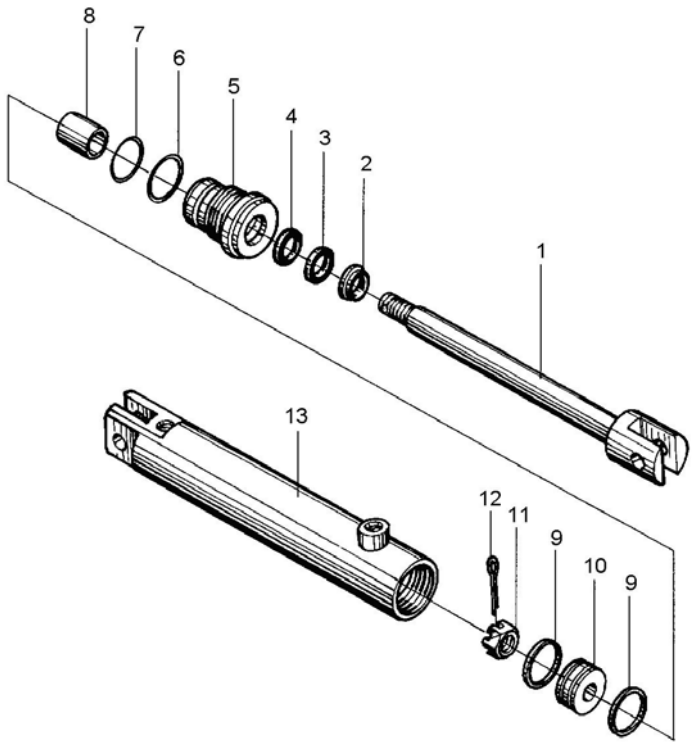
Fig.5 Side shifter assy	2t-3.5t SIMPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
25	66000166	Washer 16	2	
26	66001222	Snap ring 16	2	
27	66000092	Oil cup M6	5	
28	66002329	Side shift cylinder	1	Fig.6
29	66001166	Screw M8×16	4	
30	66002325	Block,down	2	
31	66002328	Ajusting shim	2	
32	66002327	Plate	2	
33	66001216	Bolt M16×1.5×50	4	
34	66000069	Washer 16	4	

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Fig.6 Side shift cylinder	2t-3.5t SIMPLEX MAST Duplex MAST TRIPLEX MAST

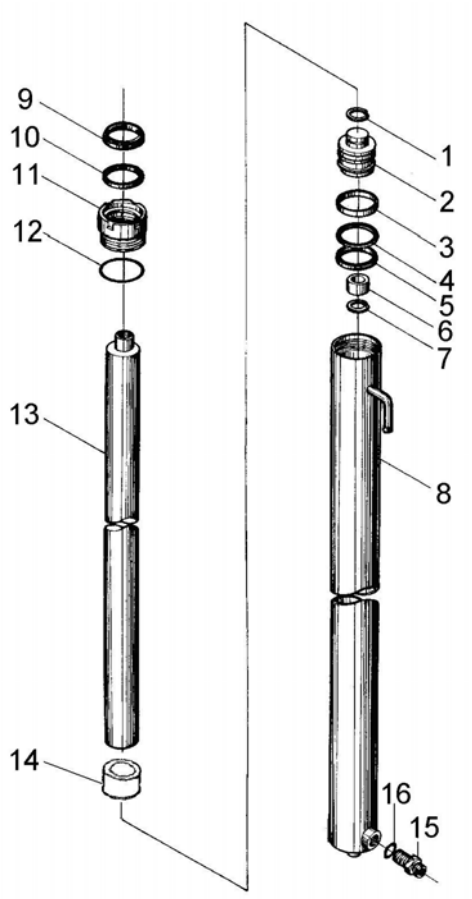


Item	Part NO.	Description	Qty	Remarks or Serial NO.
A	66002329	Side shifter cylinder	1	
1	66002331	Cylinder rod	1	
2	66001091	Dustproof d25	1	
3	66001092	Seal ring d25	1	
4	66001093	Seal ring d25	1	
5	66002446	Guide sleeve	1	
6	66001193	O-ring 56×3.5	1	
7	66001192	O-ring 50×3.5	1	
8	66002445	Oil seal	1	
9	66002528	Piston ring	2	
10	66002527	Piston	1	
11	66002526	Nut	1	
12	66001175	Pin 4×35	1	
13	66002330	Cylinder body	1	
K1	K1-Side shifter CLD.	Seal kit of side shifter cylinder	1	INC. 2，3，4，6，7

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Fig.7 Lift cylinder,Right / Left

2t-3.5t SIMPLEX MAST

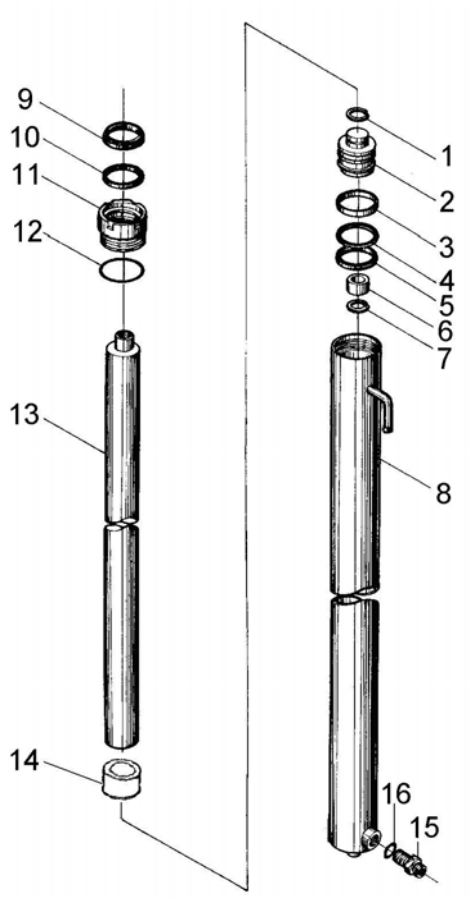


Item	Part NO.	Description	Qty	Remarks or Serial NO.
A1	See Optional Parts List 3	Lift cylinder,Right	1	2t-2.5t
-	See Optional Parts List 3	Lift cylinder,Right	1	3t
-	See Optional Parts List 3	Lift cylinder,Right	1	3.5t
A2	See Optional Parts List 3	Lift cylinder,Left	1	2t-2.5t
-	See Optional Parts List 3	Lift cylinder,Left	1	3t
-	See Optional Parts List 3	Lift cylinder,Left	1	3.5t
1	66001226	Snap ring 24	1	2t-2.5t
-	66001227	Snap ring 26	1	3t-3.5t
2	66001313	Piston	1	2t-2.5t
-	66001602	Piston	1	3t
-	66001910	Piston	1	3.5t
3	66001314	Support ring	1	2t-2.5t
-	66001603	Support ring	1	3t
-	66001911	Support ring	1	3.5t
4	66001315	Ring	1	2t-2.5t

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Fig.7 Lift cylinder,Right / Left

2t-3.5t SIMPLEX MAST

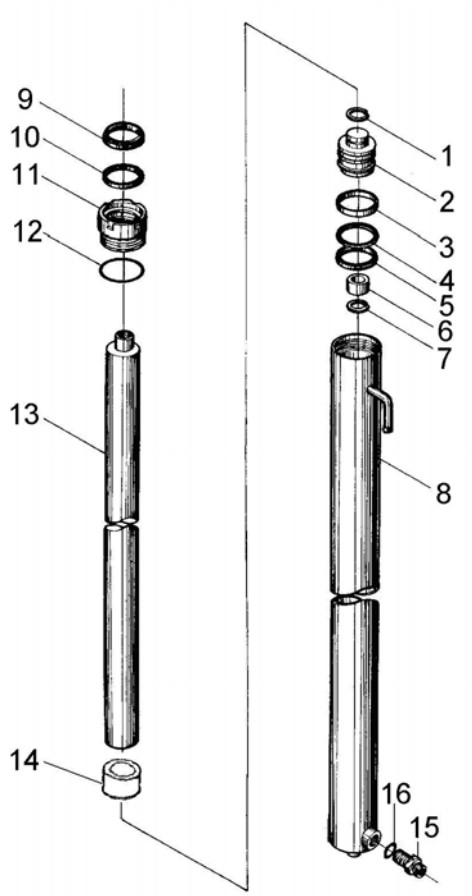


Item	Part NO.	Description	Qty	Remarks or Serial NO.
-	66001604	Ring	1	3t
-	66001912	Ring	1	3.5t
5	66001154	OSI-seal ring D50	1	2t-2.5t
-	66001162	OSI-seal ring D56	1	3t
-	66001157	OSI-seal ring D63	1	3.5t
6	66001316	Sleeve	1	2t-2.5t
-	66001605	Sleeve	1	3t
-	66001913	Sleeve	1	3.5t
7	66001227	Snap ring 26	1	2t-2.5t
-	66001228	Snap ring 30	1	3~3.5t
8	See Optional Parts List 3	Cylinder body,Right	1	2t-2.5t
-	See Optional Parts List 3	Cylinder body,Right	1	3t
-	See Optional Parts List 3	Cylinder body,Right	1	3.5t
-	See Optional Parts List 3	Cylinder body,Left	1	2t-2.5t
-	See Optional Parts List 3	Cylinder body,Left	1	3t

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Fig.7 Lift cylinder,Right / Left

2t-3.5t SIMPLEX MAST

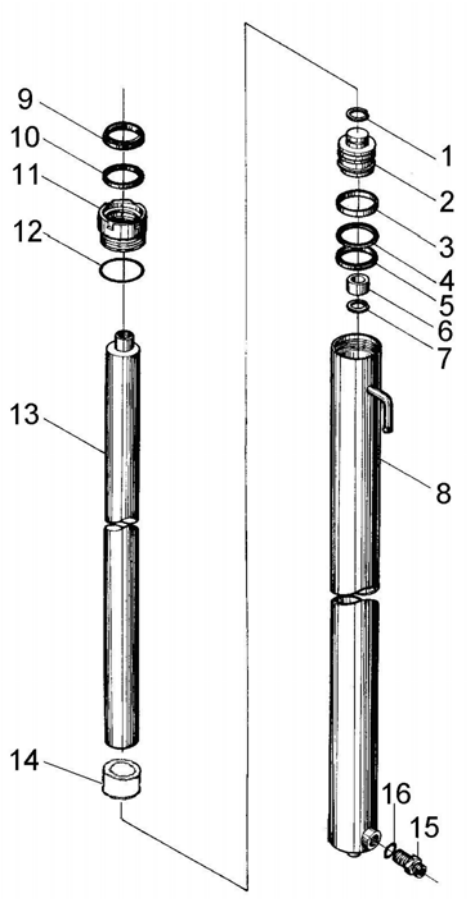


Item	Part NO.	Description	Qty	Remarks or Serial NO.
-	See Optional Parts List 3	Cylinder body,Left	1	3.5t
9	66001150	DKI-dustproof ring d40	1	2t-2.5t
-	66001151	DKI-dustproof ring d45	1	3t-3.5t
10	66000014	ISI-seal ring d40	1	2t-2.5t
-	66001153	ISI-seal ring d45	1	3t-3.5t
11	66001318	Guide sleeve	1	2t-2.5t
-	66001607	Guide sleeve	1	3t
-	66001916	Guide sleeve	1	3.5t
12	66001231	O-ring 51.5×2.65	1	2t-2.5t
-	66001229	O-ring 56×2.65	1	3t
-	66001195	O-ring 68×3.1	1	3.5t
13	See Optional Parts List 3	Cylinder rod	1	2t-2.5t
-	See Optional Parts List 3	Cylinder rod	1	3t
-	See Optional Parts List 3	Cylinder rod	1	3.5t
14	See Optional Parts List 3	Spacer bush	1	See OP.Parts

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Fig.7 Lift cylinder，right / left

2t-3.5t SIMPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
15	66001319	Nozzle valve assy	1	2t-2.5t Lift cylinder,Right
-	66001608	Nozzle valve assy	1	3t-3.5t Lift cylinder,Right
16	66001279	O-ring P14	1	2t-2.5t Lift cylinder,Right
-	66000189	O-ring P18	1	3t-3.5t Lift cylinder,Right
	66001311- kit	Lift cylinder- KIT	2	INC:5、9、10、12、16，For 2t-2.5t
	66001600- kit	Lift cylinder- KIT	2	INC:5、9、10、12、16，For 3t
	66001908- kit	Lift cylinder- KIT	2	INC:5、9、10、12、16，For 3.5t
Notice：No. 1，2，13，after the assembly, it's a whole，also, when user or				

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<Optional Parts List 3> (2t-3.5t)

Item No.	A1	A2	8 (right)	8(left)	13	14
Lift Height	Part NO.	Part NO.	Part NO.	Part NO.	Part NO.	Part NO.
2500(2t-2.5t)	66001294	66001297	66001296	66001298	66001295	Without part 14
2500(3t)	66001569	66001572	66001571	66001573	66001570	Without part 14
2500(3.5t)	66001892	66001895	66001894	66001896	66001893	66001914
2500(2t-2.5t)	66001299	66001302	66001301	66001303	66001300	Without part 14
2500(3t)	66001574	66001577	66001576	66001578	66001575	Without part 14
2500(3.5t)	66001897	66001900	66001899	66001901	66001898	66001914
2700(2t-2.5t)	66001304	66001307	66001306	66001308	66001305	Without part 14
2700(3t)	66001579	66001582	66001581	66001583	66001580	Without part 14
2700(3.5t)	66001902	66001905	66001904	66001906	66001903	66001914
3000(2t-2.5t)	66001311	66001320	66001317	66001321	66001312	Without part 14
3000(3t)	66001600	66001609	66001606	66001610	66001601	Without part 14
3000(3.5t)	66001908	66001917	66001915	66001918	66001909	66001914
3500(2t-2.5t)	66001325	66001328	66001327	66001329	66001326	Without part 14
3500(3t)	66001623	66001626	66001625	66001627	66001624	Without part 14
3500(3.5t)	66001921	66001924	66001923	66001925	66001922	66001914
3600(2t-2.5t)	66001330	66001334	66001333	66001335	66001331	66001332
3600(3t)	66001628	66001632	66001631	66001633	66001629	66001630
3600(3.5t)	66001926	66001930	66001929	66001931	66001927	66001928
3800(2t-2.5t)	66001336	66001340	66001339	66001341	66001337	66001338
3800(3t)	66001634	66001638	66001637	66001639	66001635	66001636
3800(3.5t)	66001932	66001936	66001935	66001937	66001933	66001934

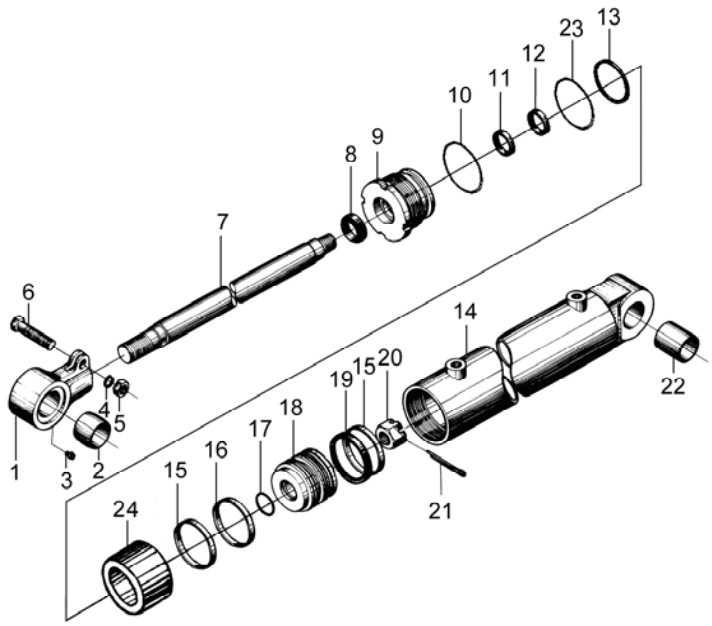
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<Optional Parts List 3> (2t-3.5t)

Item No.	A1	A2	8 (right)	8(left)	13	14
Lift Height	Part NO.	Part NO.	Part NO.	Part NO.	Part NO.	Part NO.
4000(2t-2.5t)	66001342	66001346	66001345	66001347	66001343	66001344
4000(3t)	66001640	66001644	66001643	66001645	66001641	66001642
4000(3.5t)	66001938	66001942	66001941	66001943	66001939	66001940
4300(2t-2.5t)	66001348	66001352	66001351	66001353	66001349	66001350
4300(3t)	66001646	66001650	66001649	66001651	66001647	66001648
4300(3.5t)	66001944	66001948	66001947	66001949	66001945	66001946
4500(2t-2.5t)	66001354	66001358	66001357	66001359	66001355	66001356
4500(3t)	66001653	66001657	66001656	66001658	66001654	66001655
4500(3.5t)	66001951	66001955	66001954	66001956	66001952	66001953
4800(2t-2.5t)	66001360	66001364	66001363	66001365	66001361	66001362
4800(3t)	66001659	66001663	66001662	66001664	66001660	66001661
4800(3.5t)	66001957	66001961	66001960	66001962	66001958	66001959
5000(2t-2.5t)	66001366	66001370	66001369	66001371	66001367	66001368
5000(3t)	66001665	66001669	66001668	66001670	66001666	66001667
5000(3.5t)	66001963	66001967	66001966	66001968	66001964	66001965
5500(2t-2.5t)	66001372	66001376	66001375	66001377	66001373	66001374
5500(3t)	66001671	66001675	66001674	66001676	66001672	66001673
5500(3.5t)	66001969	66001973	66001972	66001974	66001970	66001971
6000(2t-2.5t)	66001378	66001382	66001381	66001383	66001379	66001380
6000(3t)	66001677	66001681	66001680	66001682	66001678	66001679
6000(3.5t)	66001975	66001979	66001978	66001980	66001976	66001977

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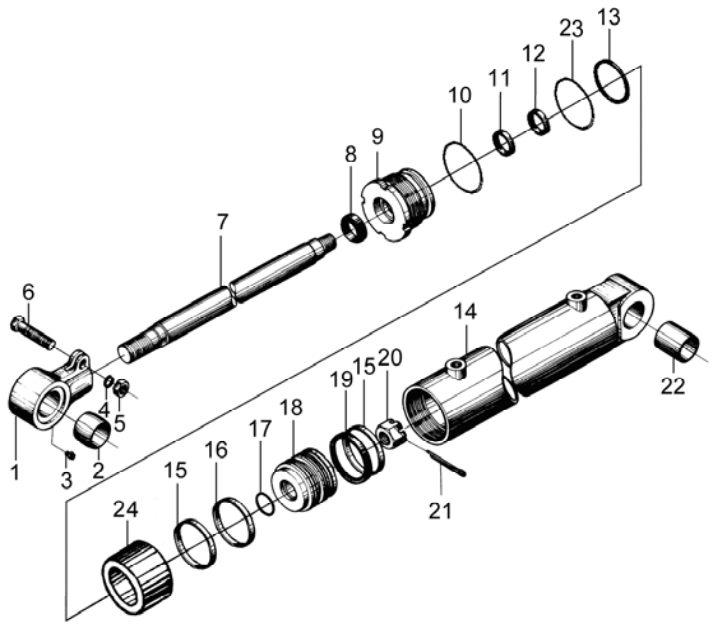
Fig.8 Tilt cylinder	2t-3.5t SIMPLEX MAST Duplex MAST TRIPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
A	See Optional Parts List 4	Tilt cylinder	1	2t-3t
-	See Optional Parts List 4	Tilt cylinder	1	3.5t
1	66002212	Ear ring	1	
2	66001611	Bearing	1	
3	66000092	Oil cup M6	1	
4	66000068	Washer 14	1	
5	66000149	Nut M14×1.5	1	
6	66001213	Bolt M14×1.5×60	1	
7	See Optional Parts List 4	Cylinder rod	1	2t-3t
-	See Optional Parts List 4	Cylinder rod	1	3.5t
8	66002628	Dust ring d30×38×5×6.5	1	
9	66001614	Guide sleeve	1	2t-3t
-	66001920	Guide sleeve	1	3.5t
10	66001197	O-ring 75×3.1	1	2t-3t
-	66001201	O-ring 85×3.1	1	3.5t

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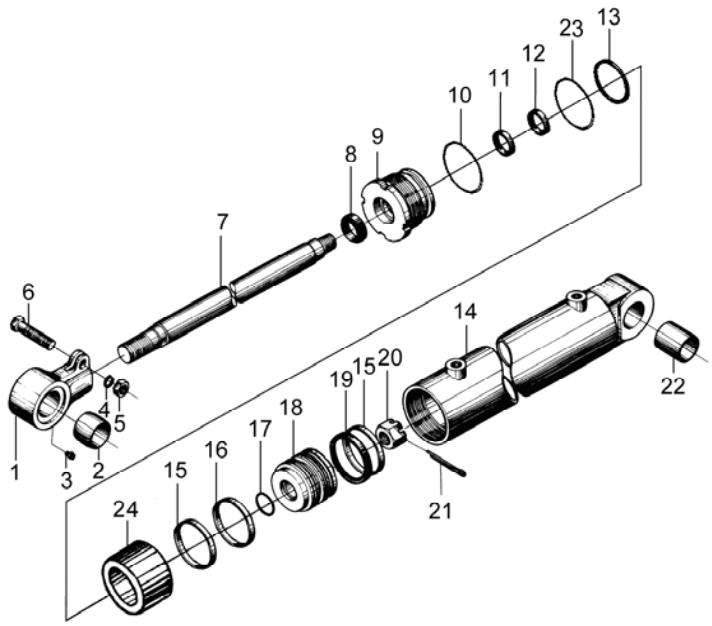
Fig.8 Tilt cylinder	2t-3.5t SIMPLEX MAST Duplex MAST TRIPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
11	66002182	U-seal ring d30	1	
12	66002181	Seal-ring d30	1	
13	66001196	O-ring 70×5.7	1	2t-3t
-	66001199	O-ring 80×5.7	1	3.5t
14	66002213	Cylinder body	1	2t-3t
-	66002289	Cylinder body	1	3.5t
15	66001158	OSI-seal ring D70	2	2t-3t
-	66001160	OSI-seal ring D80	2	3.5t
16	66002548	Snap ring 70×60×2.5	1	2t-3t
-	66002286	Snap ring 80×70×2.5	1	3.5t
17	66000095	O-ring 35×3.1	1	
18	66002211	Piston	1	2t-3t
-	66002287	Piston	1	3.5t
19	66002547	Support ring	1	2t-3t
-	66002288	Support ring 80×75×16	1	3.5t

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Fig.8 Tilt cylinder	2t-3.5t SIMPLEX MAST Duplex MAST TRIPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
20	66001219	Nut M24×2	1	
21	66001176	Pin 5×45	1	
22	66002322	Sleeve 3545	1	
23	66001613	Ring 70×61×2.5	1	2t-3t
-	66001919	Ring 80×71×2.5	1	3.5t
24	See Optional Parts List 4	Spacer bush	1	

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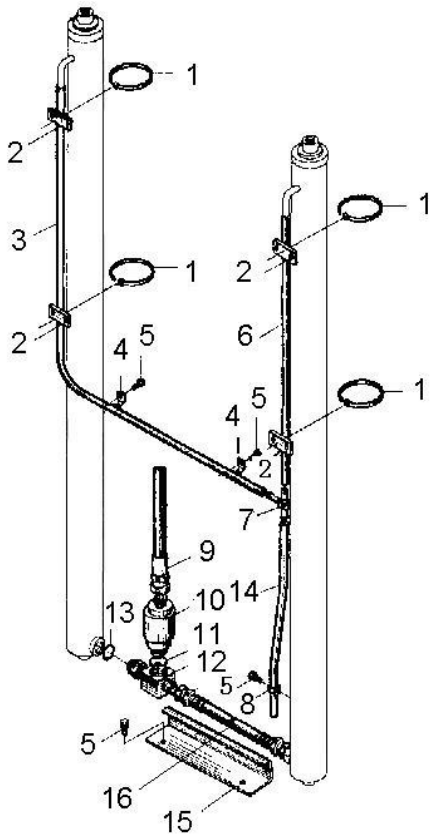
<Optional Parts List 4> (2t-3.5t)

Item No.	A(2t-3t)	7(2t-3t)	24(2t-3t)	A(3.5t)	7(3.5t)	24(3.5t)
Lift Height	Part NO.	Part NO.	Part NO.	Part NO.	Part NO.	Part NO.
2000	66002240	66001652	66002241	66002306	66001950	66002241
2500	66002210	66001612	Without part 24	66002285	66001612	Without part 24
2700	66002210	66001612	Without part 24	66002285	66001612	Without part 24
3000	66002210	66001612	Without part 24	66002285	66001612	Without part 24
3300	66002210	66001612	Without part 24	66002285	66001612	Without part 24
3500	66002210	66001612	Without part 24	66002285	66001612	Without part 24
3600	66002210	66001612	Without part 24	66002285	66001612	Without part 24
3800	66002210	66001612	Without part 24	66002285	66001612	Without part 24
4000	66002210	66001612	Without part 24	66002285	66001612	Without part 24
4300	66002240	66001652	66002241	66002306	66001950	66002241
4500	66002240	66001652	66002241	66002306	66001950	66002241
4800	66002240	66001652	66002241	66002306	66001950	66002241
5000	66002240	66001652	66002241	66002306	66001950	66002241
5500	66001747	66001652	66001748	66002032	66001950	66001748
6000	66001747	66001652	66001748	66002032	66001950	66001748

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Fig.9 Mast piping

2t-3.5t SIMPLEX MAST

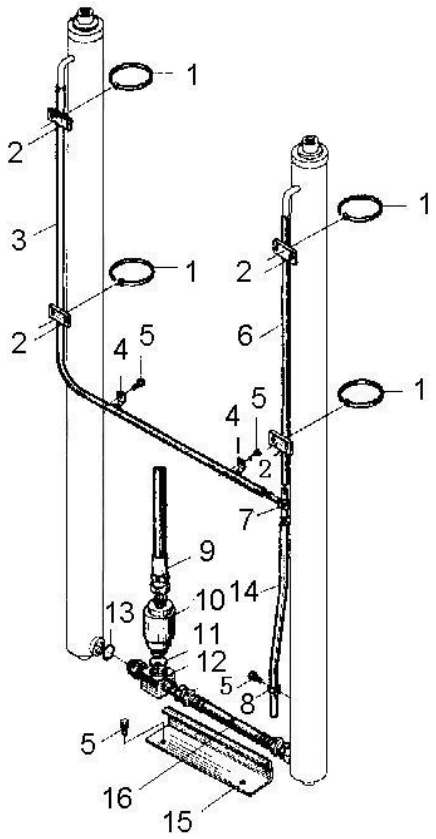


Item	Part NO.	Description	Qty	Remarks or Serial NO.
1	66001164	Clamp-band	4	
2	66001615	Band	4	
3	See Optional Parts List 5	Return oil pipe φ14.5/φ9.5	1	2t-3.5t 3m
4	66002323	Clip	2	
5	66001592	Bolt M8×1.25×16	5	
6	See Optional Parts List 5	Return oil pipe φ14.5/φ9.5	1	2t-3.5t 3m
7	66001616	Tee connector	1	
8	66001618	Clip	2	
9	66002187	Oil pipe assy	1	2t-2.5t R-Type
-	66002216	Oil pipe assy	1	3t-3.5t R-Type
10	66001322	Speed limiting valve	1	2t-2.5t
-	66001620	Speed limiting valve	1	3t-3.5t
11	66000189	O-ring P18	1	2t-2.5t
-	66001280	O-ring P24	1	3t-3.5t
12	66001324	Tee connector	1	2t-2.5t

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Fig.9 Mast piping

2t-3.5t SIMPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
-	66001622	Tee connector	1	3t-3.5t
13	66001279	O-ring P14	1	2t-2.5t
-	66000189	O-ring P18	1	3t-3.5t
14	66001617	Return oil pipe φ14.5/φ9.5	1	
15	66001619	Cover, oil pipe	1	
16	66001323	Oil pipe assy	1	2t-2.5t
-	66001621	Oil pipe assy	1	3t-3.5t

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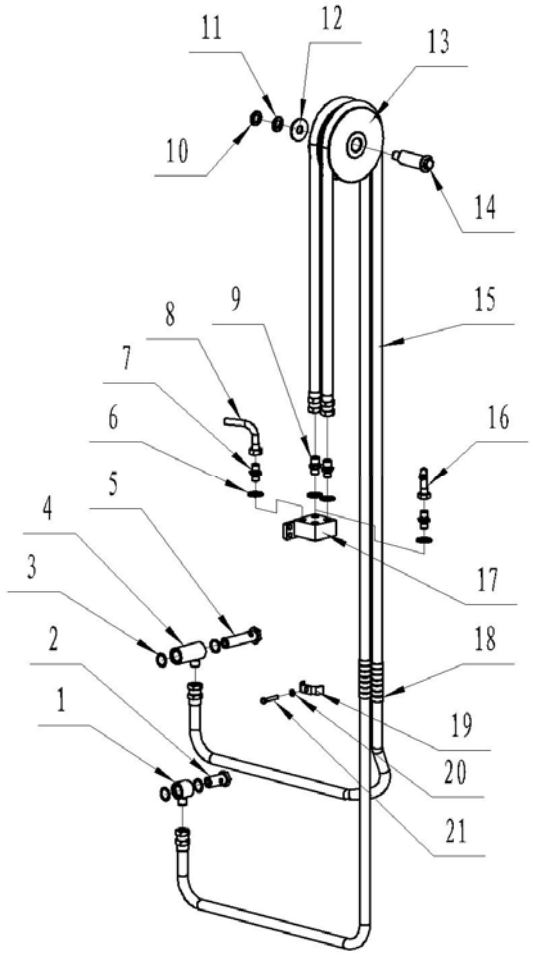
<Optional Parts List 5> (2t-3.5t) （R-Type）

Item No.	3	6
Lift Height	Part NO.	Part NO.
2500	66002196	66002197
2700	66002201	66002202
3000	66002214	66002215
3300	66002220	66002221
3500	66002225	66002226
3600	66002230	66002231
4000	66002235	66002236
4300	66002242	66002243
4500	66002247	66002248
4800	66002252	66002253
5000	66002257	66002258
5500	66002262	66002263
6000	66002267	66002268

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Fig.10 Side shifter piping

1t-3.5t SIMPLEX MAST

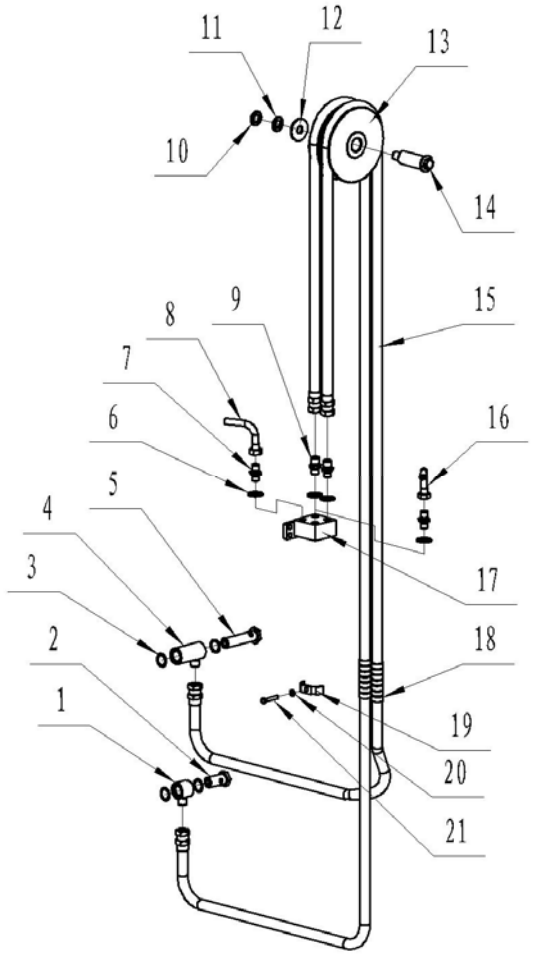


Item	Part NO.	Description	Qty	Remarks or Serial NO.
1	66002620	Connector Body	1	
2	66002530	Hinge bolt	1	
3	66001190	O-ring 26×2.4	4	
4	66002621	Connector Body	1	
5	66002529	Hinge bolt	1	
6	66000264	Washer 14	4	
7	66001101	Through joint	2	
8	66001242	Hose connector	1	built-in 1t-3.5t
-	66001242	Hose connector	1	Non-Built-in 1t-1.8t
-	66001242	Hose connector	1	Non-Built-in 2t-3.5t
9	66001130	Nipple	2	
10	66001180	Washer 14	1	
11	66000068	Washer 14	1	
12	66001220	Washer 14	1	
13	66001106	Pulley	2	

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Fig.10 Side shifter piping

1t-3.5t SIMPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
14	66001103	Pulley shaft	1	
15	See Optional Parts List 6	Oil pipe assy	2	
16	66001243	Hose connector	1	built-in 1t-3.5t
-	66001243	Hose connector	1	Non-Built-in 1t-1.8t
-	66001245	Hose connector	1	Non-Built-in 2t-3.5t
17	66001102	Joint bearing	1	
18	66001283	Guard	2	
19	66002435	Press block	1	
20	66000065	Washer 8	1	
21	66001210	Bolt M8x35	1	

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<Optional Parts List 6> (1t-3.5t)

Item No.	15(1-1.8t)	15(2t-2.5t)
Lift Height	Part NO.	Part NO.
3000	66001264	66001264
3300	66001266	66001266
3500	66001268	66001269
3600	66001269	66001256
4000	66001272	66001272
4300	66001273	66001273
4500	66001274	66001274
4800	66001275	66001275
5000	66001276	66001276

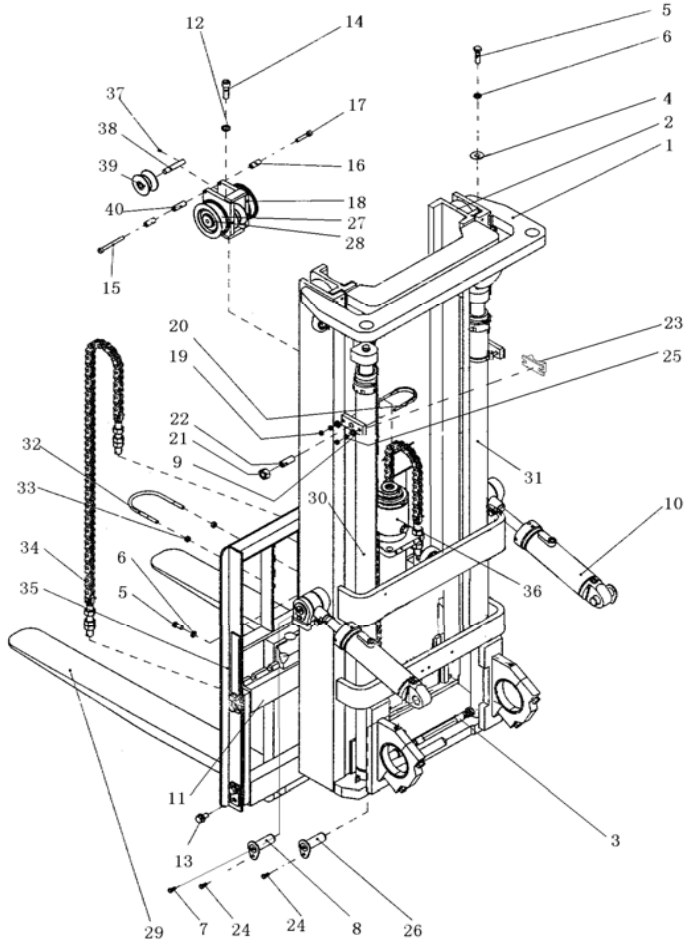
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Item No.	15(3t)	15(3.5t)
Lift Height	Part NO.	Part NO.
3000	66001265	66001267
3300	66001267	66001256
3500	66001269	66001270
3600	66001256	66001271
4000	66001272	66001273
4300	66001273	66001274
4500	66001274	66001275
4800	66001275	66001277
5000	66001276	66001278

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Fig.11 Lifting part

2t-3.5t DUPLEX MAST

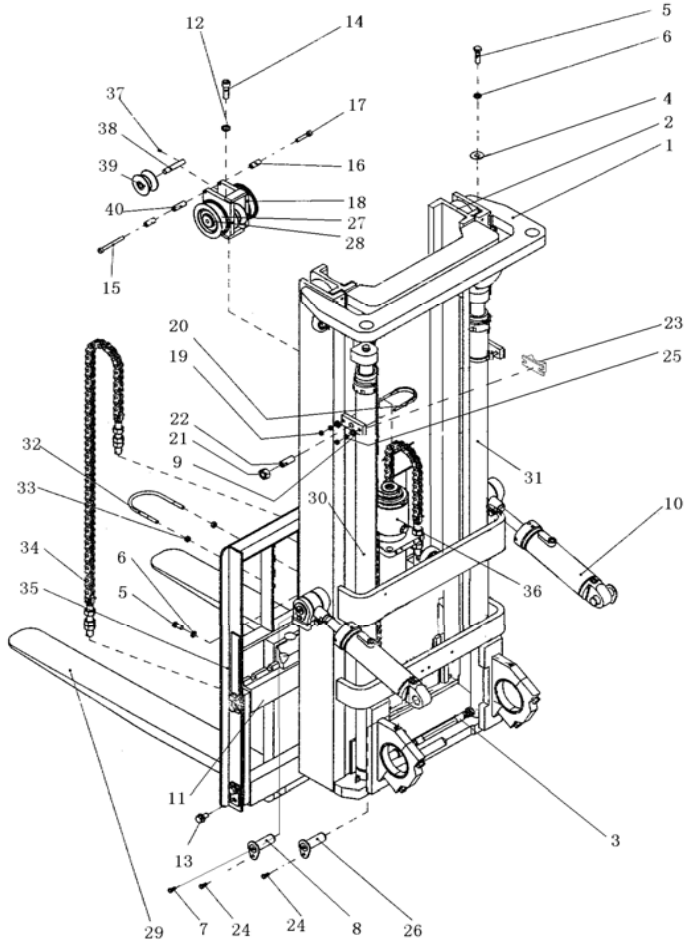


Item	Part NO.	Description	Qty	Remarks or Serial NO.
1	66001508	Outside mast	1	Fig.13 (2t-2.5t)
-	66001820	Outside mast	1	Fig.13 (3t-3.5t)
2	66001509	Inside mast	1	Fig.13 (2t-2.5t)
-	66001821	Inside mast	1	Fig.13 (3t)
-	66002094	Inside mast	1	Fig.13 (3.5t)
3	NO PART NO.	Mast piping	1	Fig.20 (2t-2.5t)
-	NO PART NO.	Mast piping	1	Fig. 20 (3t)
-	NO PART NO.	Mast piping	1	Fig. 20 (3.5t)
4	66002433	Washer	2	
5	66001211	Bolt M12×25	3	
6	66000067	Washer 12	7	
7	66001187	Oil cup M10×1	6	
8	66001703	Pin shaft	2	
9	66000163	Washer 8	4	
10	66002210	Tilt cylinder	2	Fig.6 (2t-3t)

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Fig.11 Lifting part

2t-3.5t DUPLEX MAST

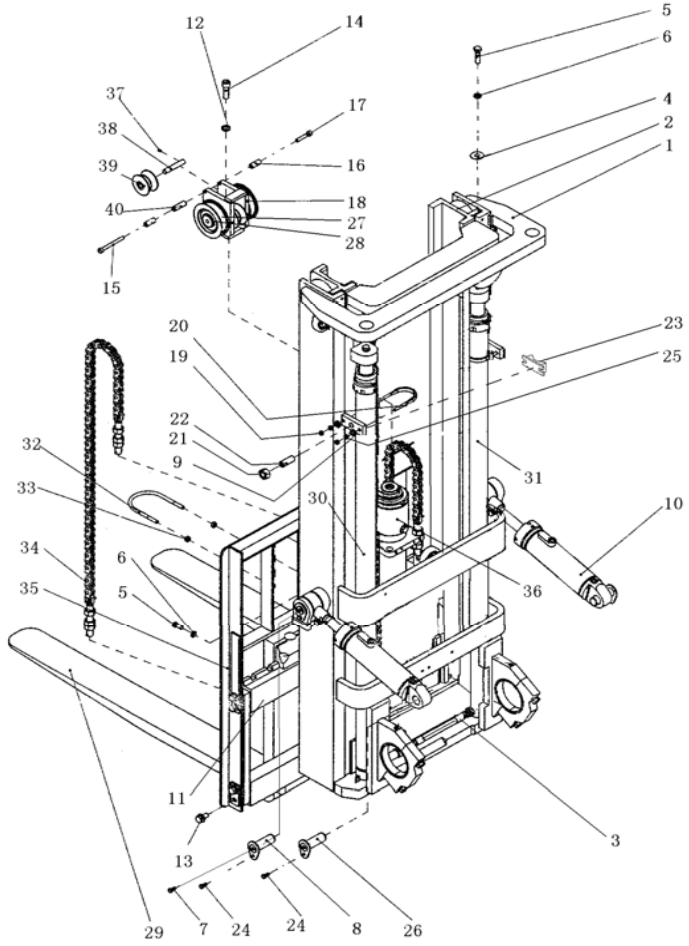


Item	Part NO.	Description	Qty	Remarks or Serial NO.
-	66002285	Tilt cylinder	2	Fig.6 (3.5t)
11	66001510	Fork carriage assy	1	Fig.14 (2t-2.5t)
-	66001822	Fork carriage assy	1	Fig.14 (3t)
-	66002095	Fork carriage assy	1	Fig.14 (3.5t)
-	66001292	Side shifter assy	1	Fig.15 (2t-2.5t)
-	66001567	Side shifter assy	1	Fig.15 (3t)
-	66001890	Side shifter assy	1	Fig.15 (3.5t)
12	66000069	Washer 16	1	
13	66001595	Bolt M14×1.5×30	8	
14	66001172	Screw M16×50	1	
15	66001133	Screw	1	
16	66002439	Sleeve	2	
17	66001171	Screw M10×55	1	
18	66002441	Chain wheel seat	1	2t-3t
-	66002469	Chain wheel seat	1	3.5t

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Fig.11 Lifting part

2t-3.5t DUPLEX MAST

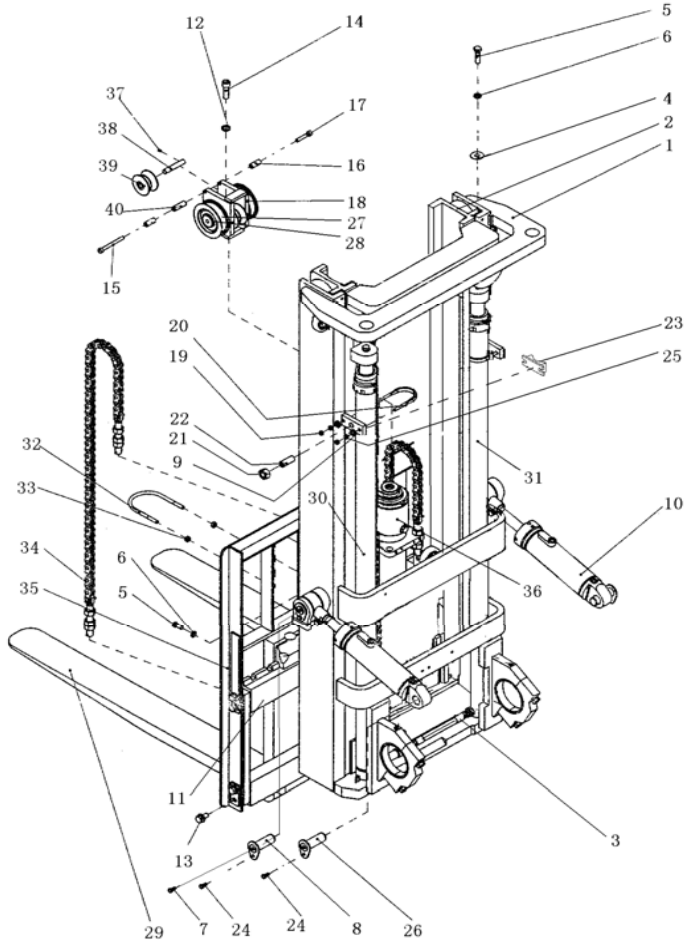


Item	Part NO.	Description	Qty	Remarks or Serial NO.
19	66001185	Nut M8	4	
20	66001404	U-Bolt	2	2t-2.5t
-	66001818	U-Bolt	2	3t-3.5t
21	66001217	Nut M20	2	
22	66001702	Screw M20×46	2	
23	66002352	cylinder's support	2	2t-2.5t
-	66002537	cylinder's support	2	3t-3.5t
24	66001593	Bolt M10×1.25×20	4	
25	66001179	Washer 18	4	
26	66001591	Pin shaft	2	
27	66002622	Chain wheel	2	2t-3t
	66002625	Chain wheel	2	3.5t
28	66001224	Snap ring 45	2	
29	66001309	Fork assy	2	2t-2.5t
-	66001597	Fork assy	2	3t

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Fig.11 Lifting part

2t-3.5t DUPLEX MAST

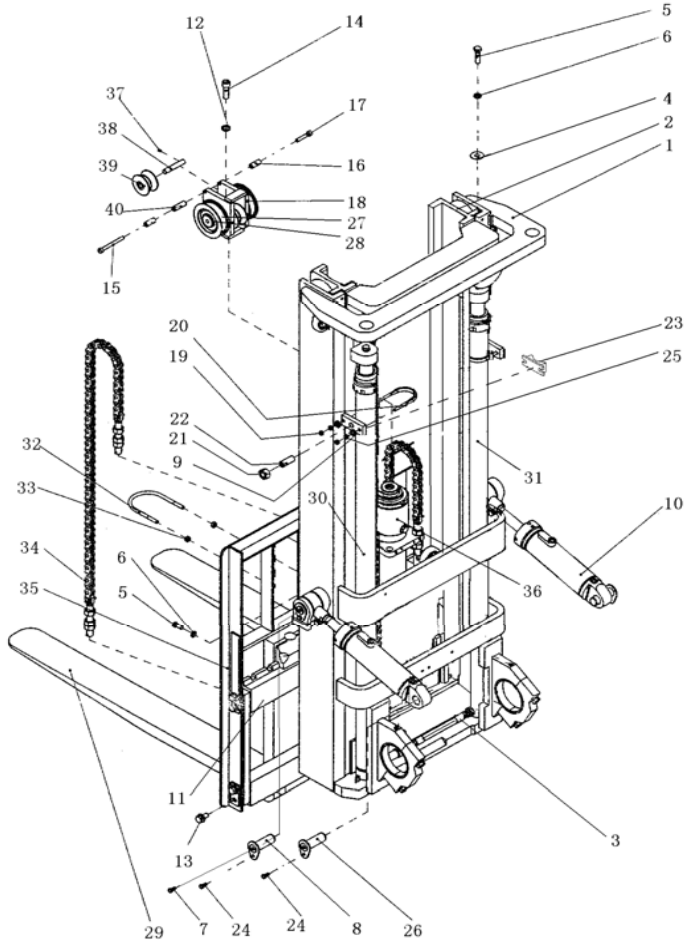


Item	Part NO.	Description	Qty	Remarks or Serial NO.
-	66001907	Fork assy	2	3.5t
30	66001512	Lift cylinder,Right	1	Fig.16 2t-2.5t 3m
-	66001825	Lift cylinder,Right	1	Fig.17 3t 3m
-	66002097	Lift cylinder,Right	1	Fig.17 3.5t 3m
31	66001515	Lift cylinder,Left	1	Fig.16 2t-2.5t 3m
-	66001830	Lift cylinder,Left	1	Fig.17 3t 3m
-	66002101	Lift cylinder,Left	1	Fig.17 3.5t 3m
32	66002615	Bolt	1	2t-2.5t
-	66002615	Bolt	1	3t
-	66002467	Bolt	1	3.5t
33	66000147	Nut M10	2	
34	66002616	Chain assy	2	Fig.12 (2t-3t)
-	66002093	Chain assy	2	Fig.12 (3.5t)
35	66001310	Load Backrest	1	2t-2.5t
-	66001599	Load Backrest	1	3t-3.5t

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Fig.11 Lifting part

2t-3.5t DUPLEX MAST

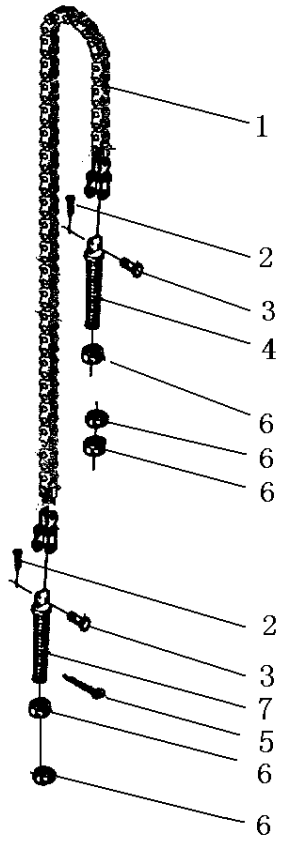


Item	Part NO.	Description	Qty	Remarks or Serial NO.
36	66001518	Lift cylinder,Short	1	Fig.18 (2t-2.5t)
-	66001836	Lift cylinder,Short	1	Fig.18 (3t)
-	66002107	Lift cylinder,Short	1	Fig.18 (3.5t)
37	66001173	Screw M6×12	2	
38	66002348	Pin shaft	2	
39	66001107	Pulley wheel	2	
40	66001132	Sleeve	1	

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Fig.12 Chain assy

2t-3.5t DUPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
A1	See Optional Parts List 7	Chain assy	2	2t-2.5t
A2	See Optional Parts List 7	Chain assy	2	3t
A3	See Optional Parts List 7	Chain assy	2	3.5t
1	NO PART NO.	Chain LH1623×55	1	2t-2.5t 3m
-	NO PART NO.	Chain LH1623×53	1	3t 3m
-	NO PART NO.	Chain LH1634×53	1	3.5t 3m
2	66001174	Pin3×20	2	2t-3t
-	66000059	Pin3.2×20	2	3.5t
3	NO PART NO.	Pin shaft	2	2t-3t
-	NO PART NO.	Pin shaft	2	3.5t
4	NO PART NO.	Connector	1	2t-3t
-	NO PART NO.	Connector	1	3.5t
5	66001177	Pin 2.5×28	1	
6	66000150	Nut M20×1.5	5	
7	NO PART NO.	Connector	1	2t-3t
-	NO PART NO.	Connector	1	3.5t

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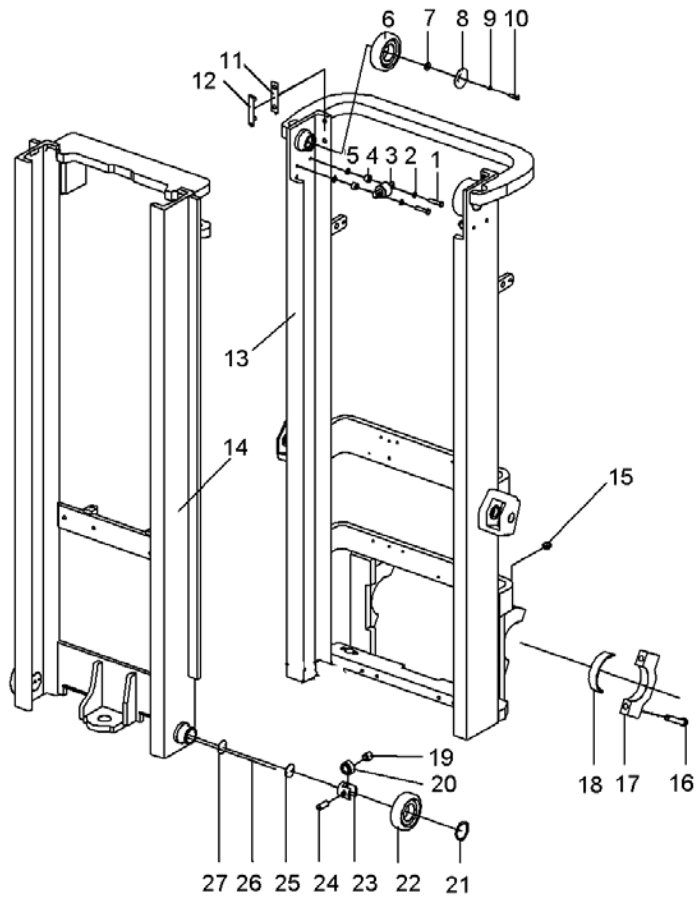
<Optional Parts List 7> (2t-3.5t)

Item No.	**A1**	**A2**	**A3**
Lift Height	Part NO.	Part NO.	Part NO.
2000	66001475	66001779	66002060
2500	66001486	66001792	66002071
2700	66001497	66001805	66002082
3000	66002616	66001819	66002093
3300	66001521	66001840	66002108
3500	66001532	66001851	66002119
3600	66001543	66001864	66002130
4000	66001555	66001877	66002141

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Fig.13 Mast

2t-3.5t DUPLEX MAST

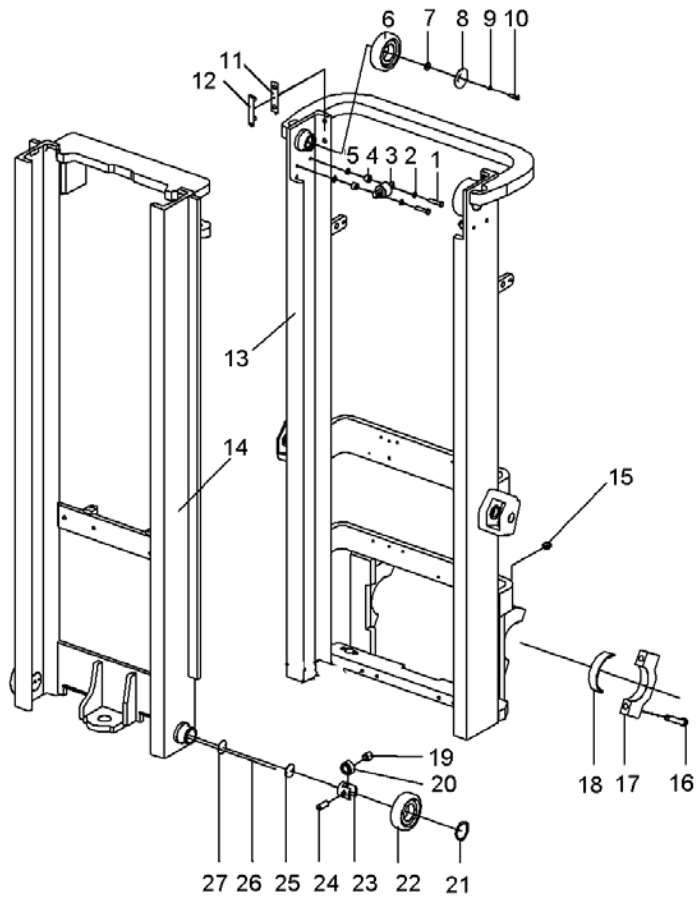


Item	Part NO.	Description	Qty	Remarks or Serial NO.
A1	66002208	Cross roller assy	2	INC:1-5
1	66000108	Bolt M10×45	4	
2	66000066	Washer 10	4	
3	66002209	Cross roller	2	
4	66001587	Washer	4	
5	66001586	Ajusting shim	4	
A2	66002618	Cross roller assy	2	INC:6-10
6	66002627	Cross roller 55×120×34	2	
7	66002447	Ajusting shim	2	
8	66002448	Press cover	2	
9	66000065	Washer 8	2	
10	66000117	Bolt M8×20	2	
11	66001590	Ajusting shim	2	
12	66001589	Guide board	2	
13	See Optional Parts List 8	Outside mast	1	2t-2.5t

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Fig.13 Mast

2t-3.5t DUPLEX MAST

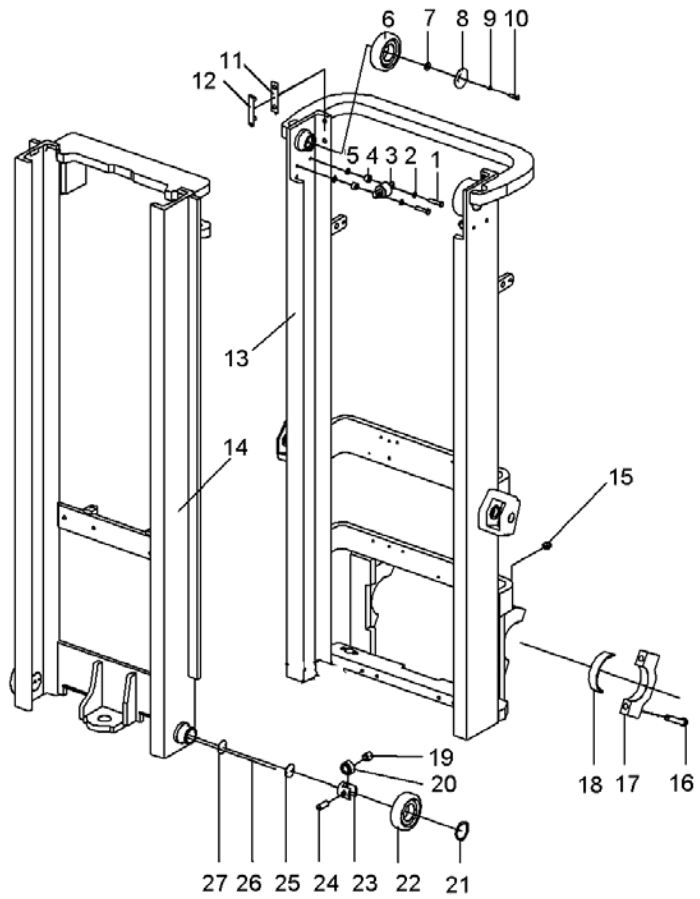


Item	Part NO.	Description	Qty	Remarks or Serial NO.
-	See Optional Parts List 8	Outside mast	1	3t
-	See Optional Parts List 8	Outside mast	1	3.5t
14	See Optional Parts List 8	Inside mast	1	2t-2.5t
-	See Optional Parts List 8	Inside mast	1	3t
-	See Optional Parts List 8	Inside mast	1	3.5t
15	66001187	Oil cup M10×1	6	
16	66001594	Bolt M18×1.5×55	4	
17	66001584	Bearing cap	2	
18	66001585	Axle bush	2	
A3	66002539	Complex roller	2	INC:19-27
19	66002534	Bush,side roller	2	
20	66002533	Side roller	2	
21	66001225	Snap ring 55	2	
22	66002626	Cross roller 55×119×34	2	
23	66002436	Seat	2	

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Fig.13 Mast

2t-3.5t DUPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
24	66002532	Shaft	2	
25	66002437	Rubber cover	2	
26	66001181	Pin 4×20	4	
27	66002438	Ajusting shim	2	

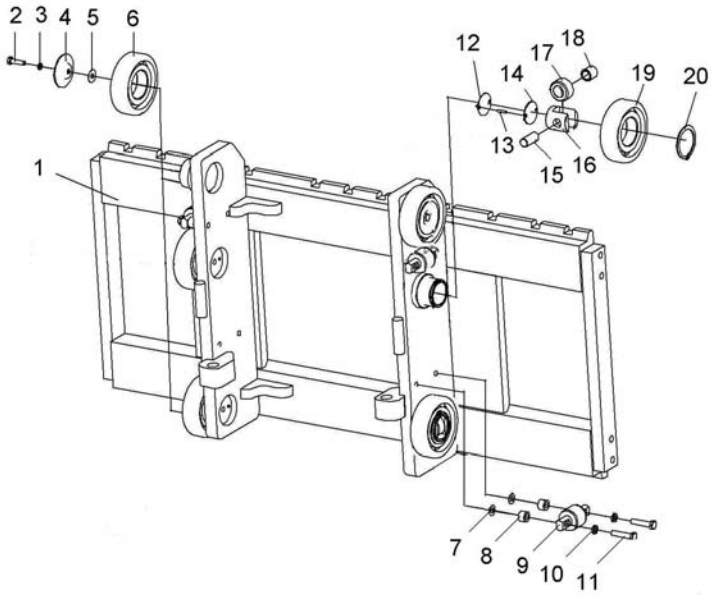
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<Optional Parts List 8> (2t-3.5t)

Item No.	13(2t-2.5t)	13(3t)	13(3.5t)	14(2t-2.5t)	14(3t)	14(3.5t)
Lift Height	Part NO.	Part NO.	Part NO.	Part NO.	Part NO.	Part NO.
2000	66001476	66001780	66002061	66001477	66001781	66002062
2500	66001487	66001793	66002072	66001488	66001794	66002073
2700	66001498	66001806	66002083	66001499	66001807	66002084
3000	66001508	66001820	66001820	66001509	66001821	66002094
3300	66001522	66001841	66002109	66001523	66001842	66002110
3500	66001533	66001852	66002120	66001534	66001853	66002121
3600	66001544	66001865	66002131	66001545	66001866	66002132
4000	66001556	66001878	66002142	66001557	66001879	66002143

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Fig.14 Fork carriage assy	2t-3.5t DUPLEX MAST

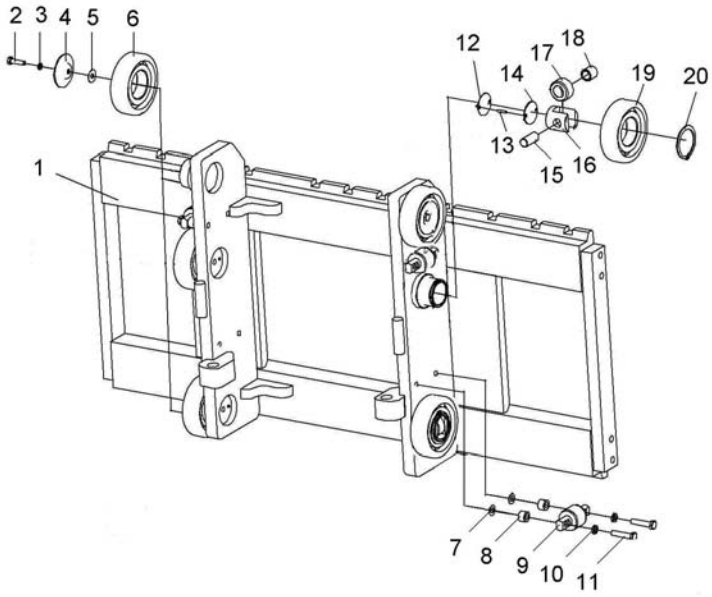


Item	Part NO.	Description	Qty	Remarks or Serial NO.
1	66001511	Fork carriage	1	2t-2.5t
-	66001823	Fork carriage	1	3t
-	66002096	Fork carriage	1	3.5t
A1	66002538	Roller assy	4	INC:2-6
2	66000117	Bolt M8×20	4	
3	66000065	Washer 8	4	
4	66002448	Press cover	4	
5	66002447	Ajusting shi	4	
6	66002626	Cross roller 55×119×34	4	
A2	66002208	Cross roller assy	4	INC:7-11
7	66001586	Ajusting shim	8	
8	66001587	Washer	8	
9	66002209	Cross roller	4	
10	66000066	Washer 10	8	
11	66000108	Bolt M10×45	8	

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Fig.14 Fork carriage assy

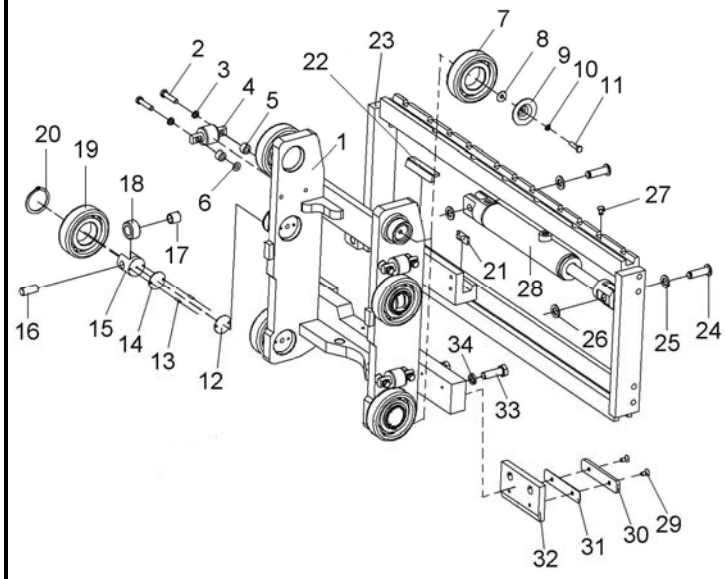
2t-3.5t DUPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
A3	66002540	Complex roller assy	2	INC:12-20
12	66002438	Ajusting shim	4	
13	66001181	Pin 4×20	8	
14	66002437	Rubber cover	4	
15	66002532	Shaft	4	
16	66002436	Seat	4	
17	66002533	Side roller	4	
18	66002534	Bush,side roller	4	
19	66002541	Cross roller	2	
20	66001225	Snap ring 55	4	

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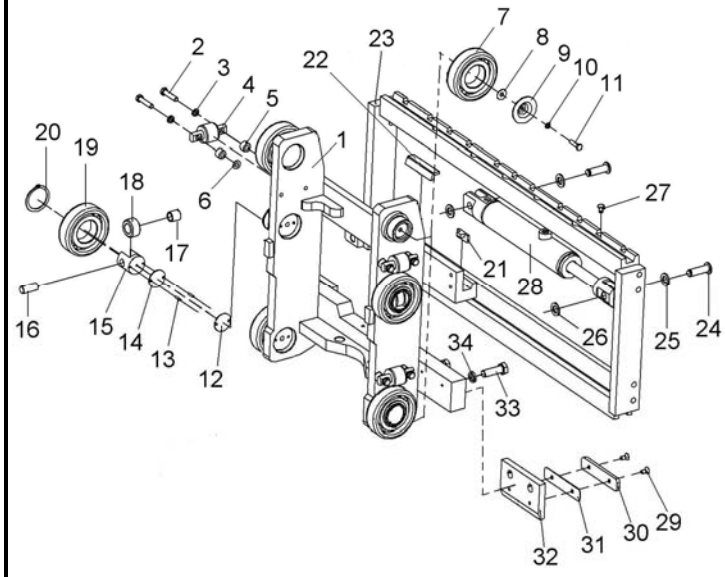
Fig.15 Side shifter assy	2t-3.5t DUPLEX MAST 2t-3.5t TRIPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
1	66001293	Fork carriage	1	2t-2.5t DUPLEX
-	66001568	Fork carriage	1	3t DUPLEX
-	66001891	Fork carriage	1	3.5t DUPLEX
-	66001285	Fork carriage	1	2t-2.5t，TRIPLEX
-	66001288	Fork carriage	1	3t，TRIPLEX
-	66001291	Fork carriage	1	3.5t，TRIPLEX
A1	66002208	Cross roller assy	4	INC:2-6
2	66000108	Bolt M10×45	8	
3	66000066	Washer 10	8	
4	66002209	Cross roller	4	
5	66001587	Washer	8	
6	66001586	Ajusting shim	8	
A2	66002538	Roller assy	4	INC:7-11
7	66002626	Cross roller 55×119×34	4	
8	66002447	Ajusting shim	4	

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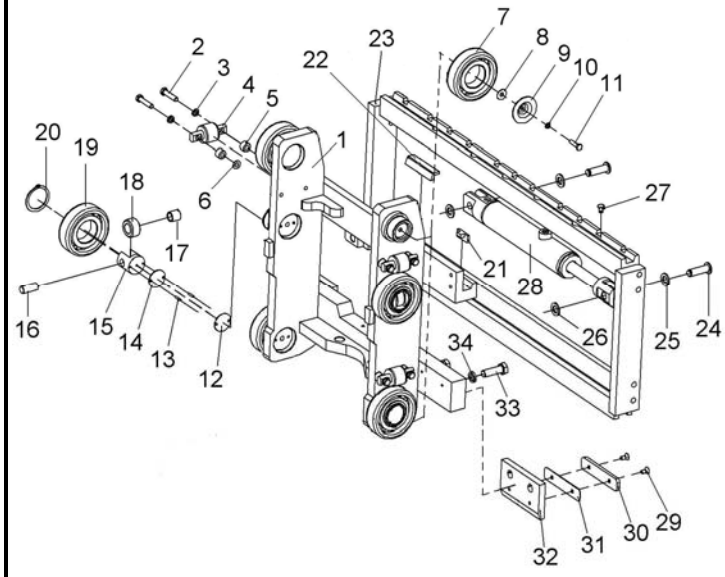
Fig.15 Side shifter assy	2t-3.5t DUPLEX MAST 2t-3.5t TRIPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
9	66002448	Press cover	4	
10	66000065	Washer 8	4	
11	66000117	Bolt M8×20	4	
A3	66002540	Complex roller assy	2	INC:12-20
12	66002438	Ajusting shim	2	
13	66001181	Pin 4×20	4	
14	66002437	Rubber cover	2	
15	66002436	Seat	2	
16	66002532	Shaft	2	
17	66002534	Bush,side roller	2	
18	66002533	Side roller	2	
19	66002541	Cross roller	2	
20	66001225	Snap ring 55	2	
21	66002347	Block	2	
22	66002324	Plug	3	

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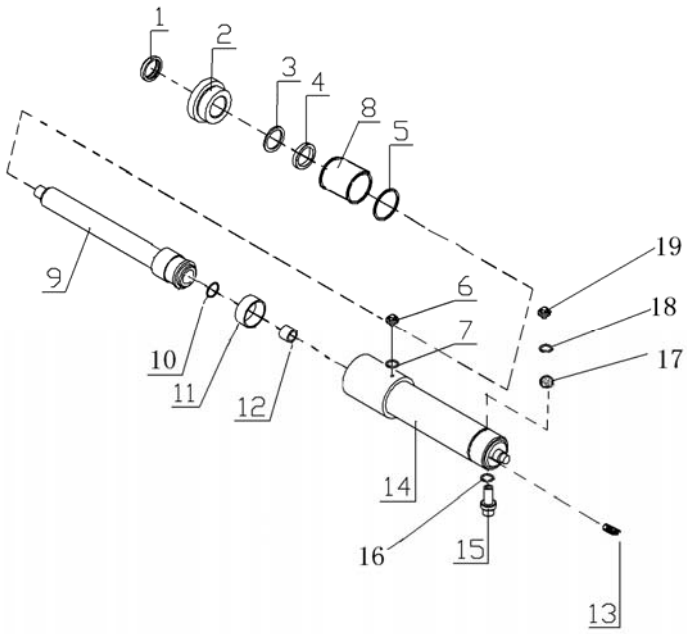
Fig.15 Side shifter assy	2t-3.5t DUPLEX MAST 2t-3.5t TRIPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
23	66001286	Side shift carriage	1	2t-2.5t
-	66001289	Side shift carriage	1	3t-3.5t
24	66002326	Shaft	2	
25	66000166	Washer 16	2	
26	66001218	Snap ring 16	2	
27	66000092	Oil cup M6	5	
28	66002329	Side shift cylinder	1	Fig.6
29	66001166	Screw M8×16	4	
30	66002325	Block，down	2	
31	66002328	Ajusting shim	2	
32	66002327	Plate	2	
33	66001216	Bolt M16×1.5×50	4	
34	66001178	Washer 16	4	

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Fig.16 Lift cylinder,Right / Left	2t-2.5t DUPLEX MAST

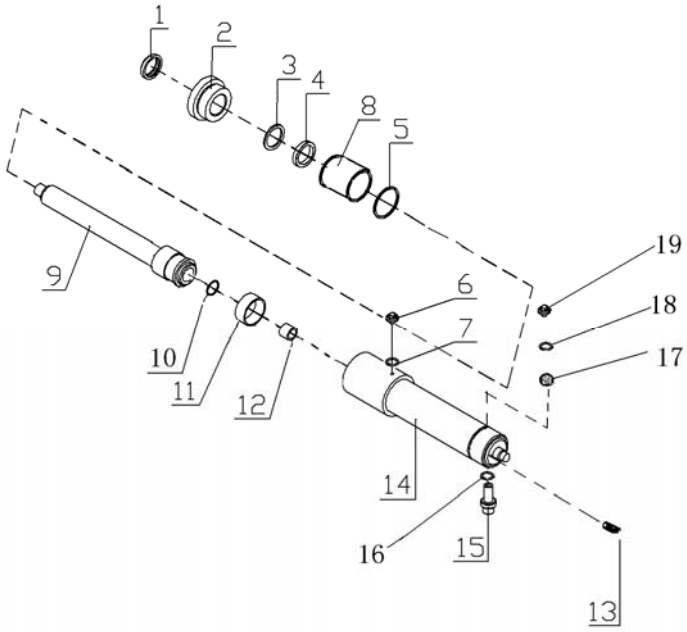


Item	Part NO.	Description	Qty	Remarks or Serial NO.
A3	See Optional Parts List 9	Lift cylinder,Right	1	
A4	See Optional Parts List 9	Lift cylinder,Left	1	
1	66001094	Dust seal ring d35	1	
2	66002163	Cylinder cover	1	
3	66002427	Snap ring	1	
4	66001152	ISI-seal ring d35	1	
5	66001191	O-ring 50×3.1	1	
6	66002350	Plug	1	
7	66001188	O-ring 16×2.4	1	
8	66002322	Sleeve 3545	1	
9	See Optional Parts List 9	Pole stopper rod assy, R	1	
-	See Optional Parts List 9	Pole stopper rod Assy, L	1	
10	66001226	Snap ring 24	1	
11	66002428	Support ring	1	
12	66002164	Bushing	1	

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Fig.16 Lift cylinder,Right / Left

2t-2.5t DUPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
13	66001182	Pin 10×25	1	
14	See Optional Parts List 9	Cylinder body,RH/LH	1	
15	66002165	The module of safety valve	1	Lift cylinder, Right
16	66001189	O-ring 20×2.4	1	Lift cylinder, Right
17	66002179	Steel balls Sφ5	1	
18	66001281	Washer 8	1	
19	66002178	Plug	1	
	66001512	Lift cylinder- KIT	2	INC:1、4、5、7、16

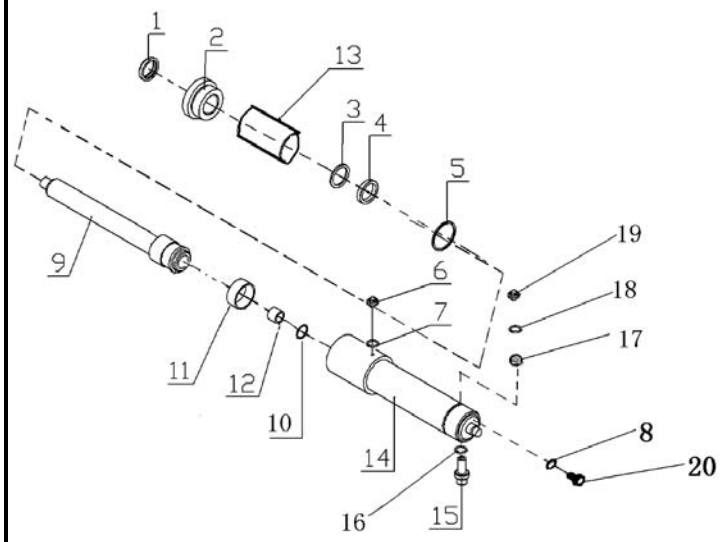
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<Optional Parts List 9> (2t-2.5t)

Item No.	A3	A4	9(right)	9(left)	14（right / left）
Lift Height	Part NO.	Part NO.	Part NO.	Part NO.	Part NO.
2000	66001478	66001481	66001480	66001482	66001479
2500	66001489	66001492	66001491	66001493	66001490
2700	66001500	66001503	66001502	66001504	66001501
3000	66001512	66001515	66001514	66001516	66001513
3300	66001524	66001527	66001526	66001528	66001525
3500	66001535	66001538	66001537	66001539	66001536
3600	66001546	66001549	66001548	66001550	66001547
4000	66001558	66001561	66001560	66001562	66001559

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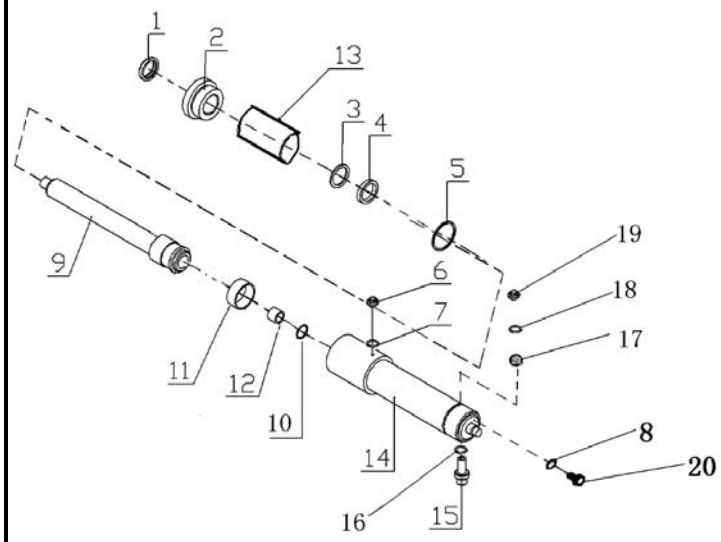
Fig.17 Lift cylinder,Right / Left	3t-3.5t DUPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
A1	See Optional Parts List 11	Lift cylinder,Right	1	3t
-	See Optional Parts List 11	Lift cylinder,Right	1	3.5t
A2	See Optional Parts List 11	Lift cylinder,Left	1	3t
-	See Optional Parts List 11	Lift cylinder,Lleft	1	3.5t
1	66001095	Dust seal ring d40	1	3t
-	66001096	Dust seal ring d45	1	3.5t
2	66002175	Cylinder cover	1	3t
-	66002345	Cylinder cover	1	3.5t
3	66002177	Snap ring	1	3t
-	66002346	Bush	1	3.5t
4	66000014	ISI-seal ring d40	1	3t
-	66001153	ISI-seal ring d45	1	3.5t
5	66001193	O-ring 56×3.5	1	3t
-	66001194	O-ring 60×3.5	1	3.5t
6	66002350	Plug	1	

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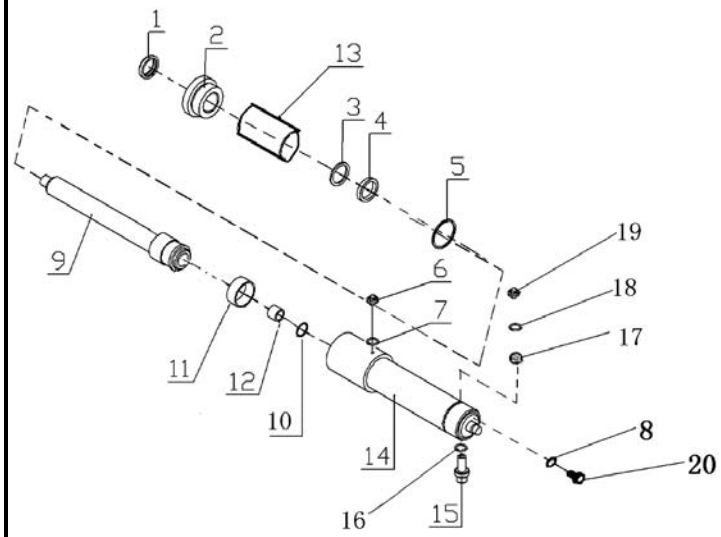
Fig.17 Lift cylinder,Right / Left	3t-3.5t DUPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
7	66001188	O-ring 16×2.4	1	
8	66000065	Washer 8	1	
9	See Optional Parts List 11	Pole stopper rod assy,R	1	3t
-	See Optional Parts List 11	Pole stopper rod assy,L	1	3t
-	See Optional Parts List 11	Pole stopper rod assy,R	1	3.5t
-	See Optional Parts List 11	Pole stopper rod assy,L	1	3.5t
10	66001226	Snap ring 24	1	
11	66002428	Support ring	1	
12	66001316	Bush	1	
13	66002176	Bush	1	3t
-	66002346	Bush	1	3.5t
14	See Optional Parts List 11	Cylinder body,RH/LH	1	3t
-	See Optional Parts List 11	Cylinder body,RH/LH	1	3.5t
15	66002180	The module of safety valve	1	Lift cylinder, Right
16	66001189	O-ring 20×2.4	1	Lift cylinder, Right

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Fig.17 Lift cylinder,right / left	3t-3.5t DUPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
17	66002179	Steel balls Sφ5	1	
18	66001281	Washer 8	1	
19	66002178	plug	1	
20	66001184	Screw M8×10	1	
	66001825-kit	Lift cylinder- KIT	2	INC:1、4、5、7、16 For (3t)
	66002097-kit	Lift cylinder- KIT	2	INC:1、4、5、7、16 For (3.5t)

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<Optional Parts List 11> (3t)

Item No.	A1	A2	14	9(right)	9(left)
Lift Height	Part NO.	Part NO.	Part NO.	Part NO.	Part NO.
2000	66001782	66001785	66001783	66001784	66001786
2500	66001795	66001798	66001796	66001797	66001799
2700	66001808	66001811	66001809	66001810	66001812
3000	66001825	66001830	66001827	66001828	66001831
3300	66001824	66001829	66001843	66001844	66001845
3500	66001854	66001857	66001855	66001856	66001858
3600	66001867	66001870	66001868	66001869	66001871
4000	66001880	66001883	66001881	66001882	66001884

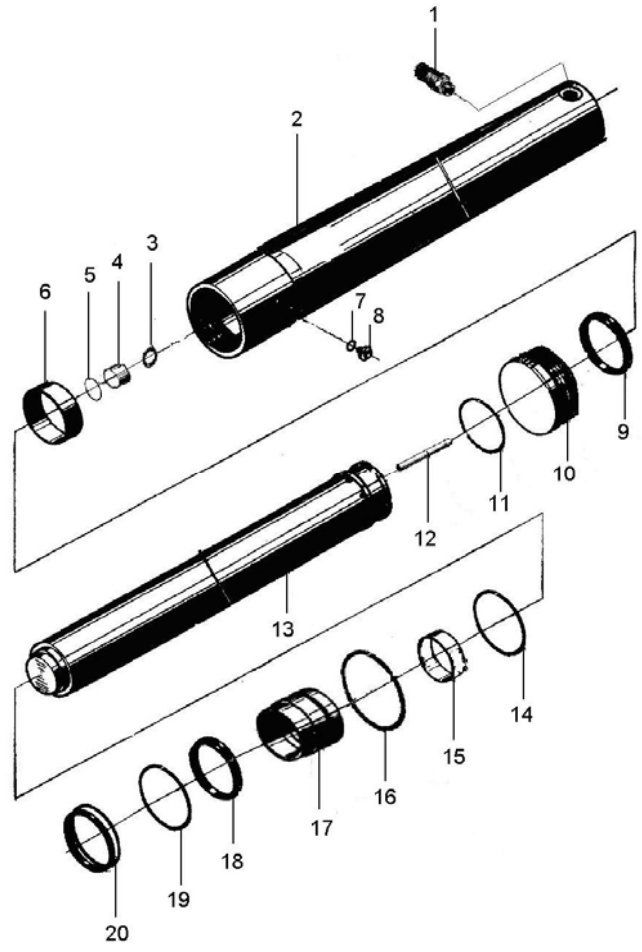
<Optional Parts List11> (3.5t)

Item No.	A1	A2	14	9(right)	9(left)
Lift Height	Part NO.	Part NO.	Part NO.	Part NO.	Part NO.
2000	66002063	66002066	66002064	66002065	66002067
2500	66002074	66002077	66002075	66002076	66002078
2700	66002085	66002088	66002086	66002087	66002089
3000	66002097	66002101	66002099	66002100	66002102
3300	66002111	66002114	66002112	66002113	66002115
3500	66002122	66002125	66002123	66002124	66002126
3600	66002133	66002136	66002134	66002135	66002137
4000	66002144	66002147	66002145	66002146	66002148

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Fig.18 Lift cylinder,Short

2t-3.5t DUPLEX MAST

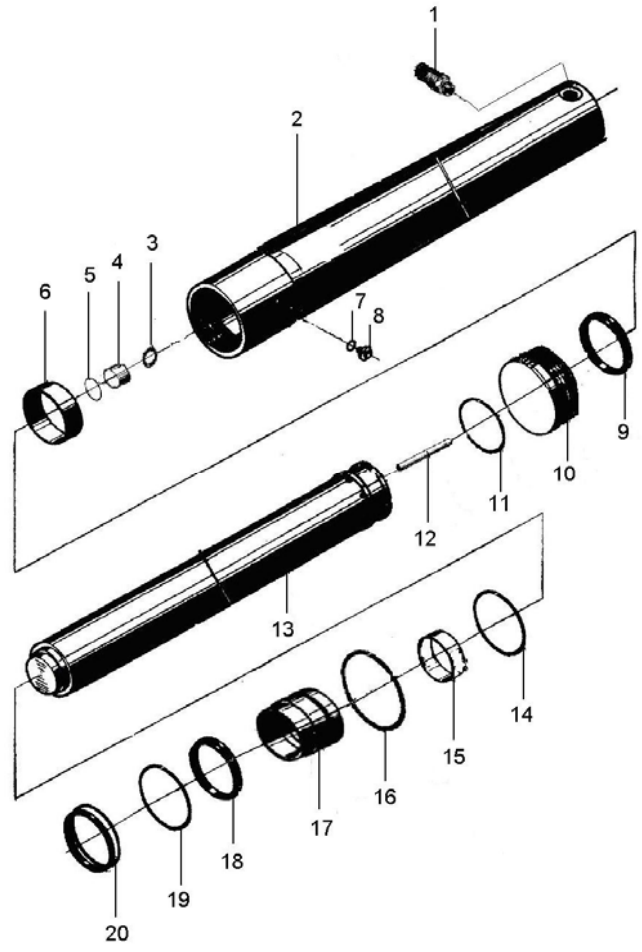


Item	Part NO.	Description	Qty	Remarks or Serial NO.
A	See Optional Parts List 12	Lift cylinder,Short	1	2t-2.5t
-	See Optional Parts List 12	Lift cylinder,Short	1	3t
-	See Optional Parts List 12	Lift cylinder,Short	1	3.5t
1	66002161	safety valve	1	2t-2.5t
-	66002174	safety valve	1	3t-3.5t
2	See Optional Parts List 12	Cylinder body	1	2t-2.5t
-	See Optional Parts List 12	Cylinder body	1	3t
-	See Optional Parts List 12	Cylinder body	1	3.5t
3	66001221	Snap ring 22	1	
4	66002162	check valve	1	
5	66001189	O-ring 20×2.4	1	
6	66002154	Wear ring 75×70×20	1	2t-2.5t
-	66002169	Wear ring 85×79×25	1	3t
-	66002343	Wear ring 95×89×25	1	3.5t
7	66000263	Washer 6	1	

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Fig.18 Lift cylinder,Short

2t-3.5t DUPLEX MAST

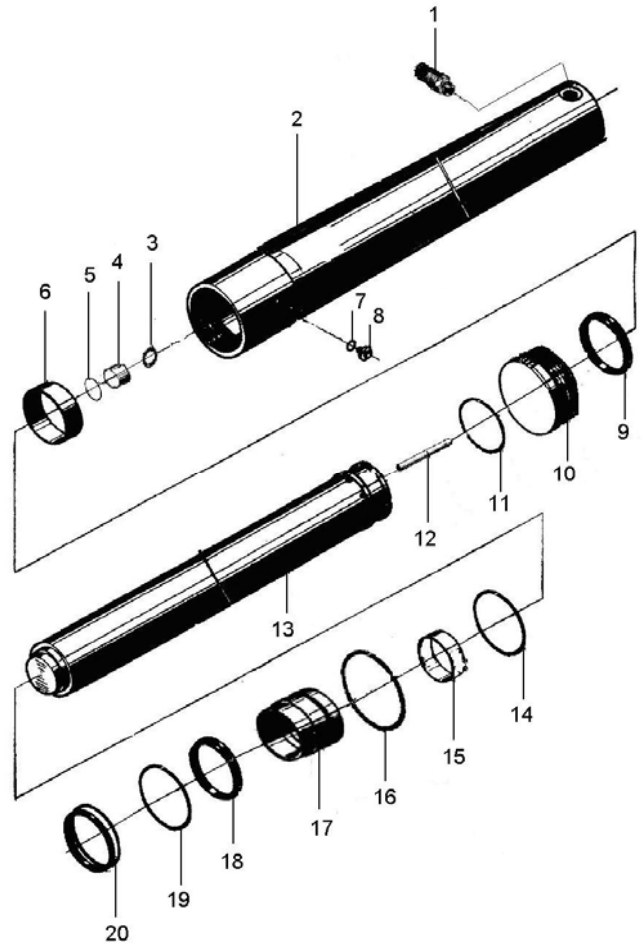


Item	Part NO.	Description	Qty	Remarks or Serial NO.
8	66001183	Bolt M6×8	1	
9	66002158	greggains circle D75	1	2t-2.5t
-	66002173	greggains circle D85	1	3t
-	66002339	greggains circle D95	1	3.5t
10	66002157	Piston	1	2t-2.5t
-	66002172	Piston	1	3t-3.5t
11	66002159	wire ring Φ3	1	2t-3t
-	66002340	wire ring Φ3	1	3.5t
12	66002160	steel tube	1	
13	See Optional Parts List 12	Cylinder rod	1	2t-2.5t
-	See Optional Parts List 12	Cylinder rod	1	3t
-	See Optional Parts List 12	Cylinder rod	1	3.5t
14	66001197	O-ring 75×3.1	1	2t-2.5t
-	66001201	O-ring 85×3.1	1	3t
-	66001203	O-ring 95×3.1	1	3.5t

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Fig.18 Lift cylinder,Short

2t-3.5t DUPLEX MAST

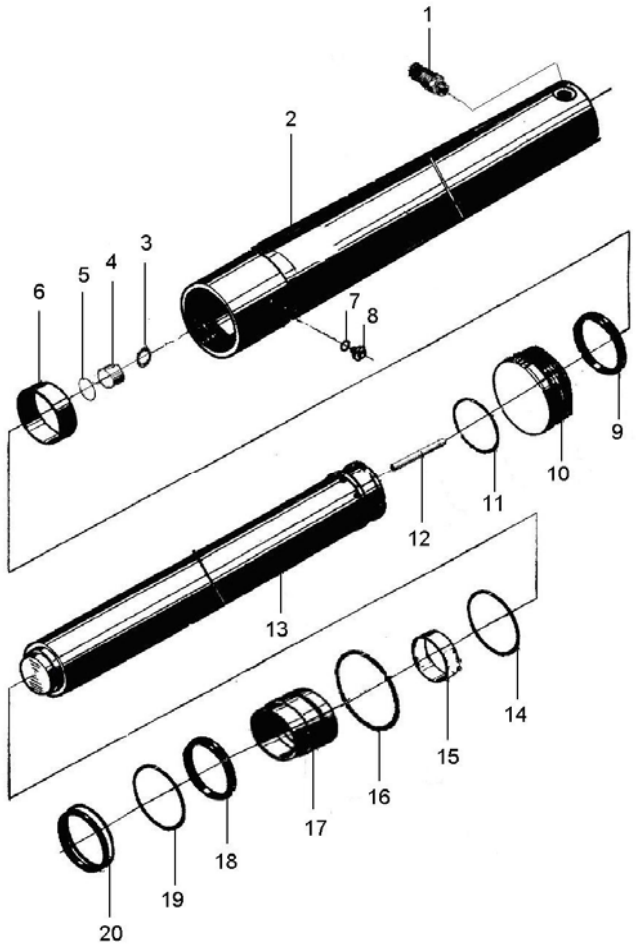


Item	Part NO.	Description	Qty	Remarks or Serial NO.
15	66002153	composite bushing 65×35	1	2t-2.5t
-	66002168	composite bushing 75×35	1	3t
-	66002342	composite bushing 85×35	1	3.5t
16	66001198	O-ring 80×3.1	1	2t-2.5t
-	66001202	O-ring 90×3.1	1	3t
-	66001204	O-ring 100×3.1	1	3.5t
17	66002156	Cap	1	2t-2.5t
-	66002171	Cap	1	3t
-	66002337	Cap	1	3.5t
18	66001156	ISI-seal ring d60	1	2t-2.5t
-	66001159	ISI-seal ring d70	1	3t
-	66001161	ISI-seal ring d80	1	3.5t
19	66002155	protection ring 70×60×2	1	2t-2.5t
-	66002170	protection ring 80×70×2	1	3t
-	66002335	protection ring 90×80×2	1	3.5t

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Fig.18 Lift cylinder,Short

2t-3.5t DUPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
20	66001097	LBH-dustproof ring d60	1	2t-2.5t
-	66001098	LBH-dustproof ring d70	1	3t
-	66001099	LBH-dustproof ring d80	1	3.5t
	66001518-kit	Lift cylinder,short -KIT	1	INC:3、5、6、7、9
	66001836-kit			
	66002103-kit			

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<Optional Parts List 12> (2t-3.5t)

Item No.	A	2	13
Lift Height	Part NO.	Part NO.	Part NO.
2000(2t-2.5t)	66001483	66001485	66001484
2000(3t)	66001788	66001791	66001789
2000(3.5t)	66002069	66002070	66001790
2500(2t-2.5t)	66001494	66001496	66001495
2500(3t)	66001801	66001804	66001802
2500(3.5t)	66002080	66002081	66001803
2700(2t-2.5t)	66001505	66001507	66001506
2700(3t)	66001814	66001817	66001815
2700(3.5t)	66002091	66002092	66001816
3000(2t-2.5t)	66001518	66001520	66001413
3000(3t)	66001836	66001839	66001838
3000(3.5t)	66002103	66002106	66002105
3300(2t-2.5t)	66001529	66001531	66001530
3300(3t)	66001847	66001850	66001848
3300(3.5t)	66002117	66002118	66001849

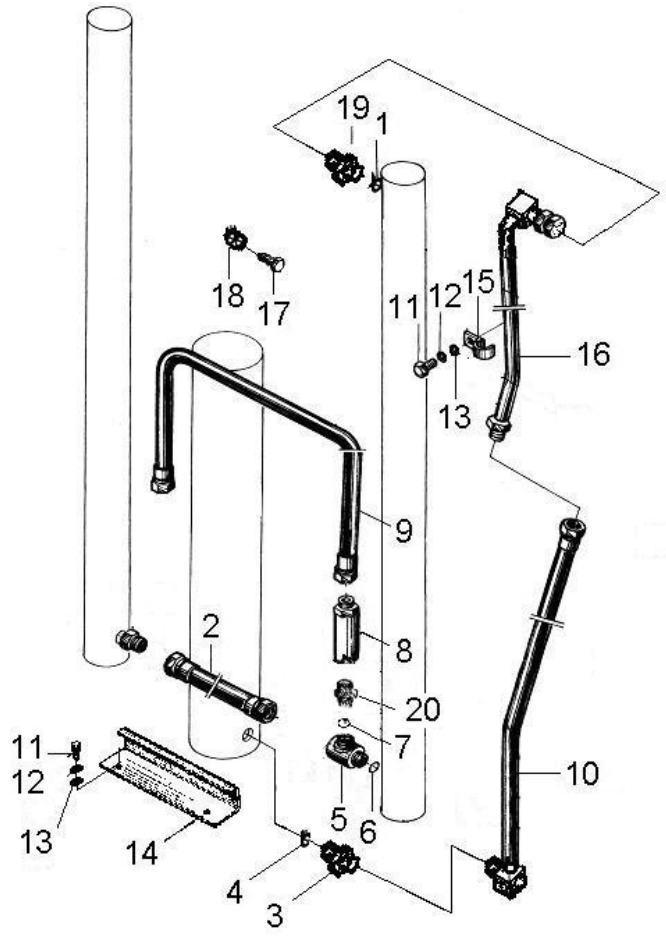
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Item No.	A	2	13
Lift Height	Part NO.	Part NO.	Part NO.
3500(2t-2.5t)	66001540	66001542	66001541
3500(3t)	66001860	66001863	66001861
3500(3.5t)	66002128	66002129	66001862
3600(2t-2.5t)	66001552	66001554	66001553
3600(3t)	66001873	66001876	66001874
3600(3.5t)	66002139	66002140	66001875
4000(2t-2.5t)	66001564	66001566	66001565
4000(3t)	66001886	66001889	66001887
4000(3.5t)	66002150	66002151	66001888

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Fig.19 Mast piping

2t-2.5t DUPLEX MAST

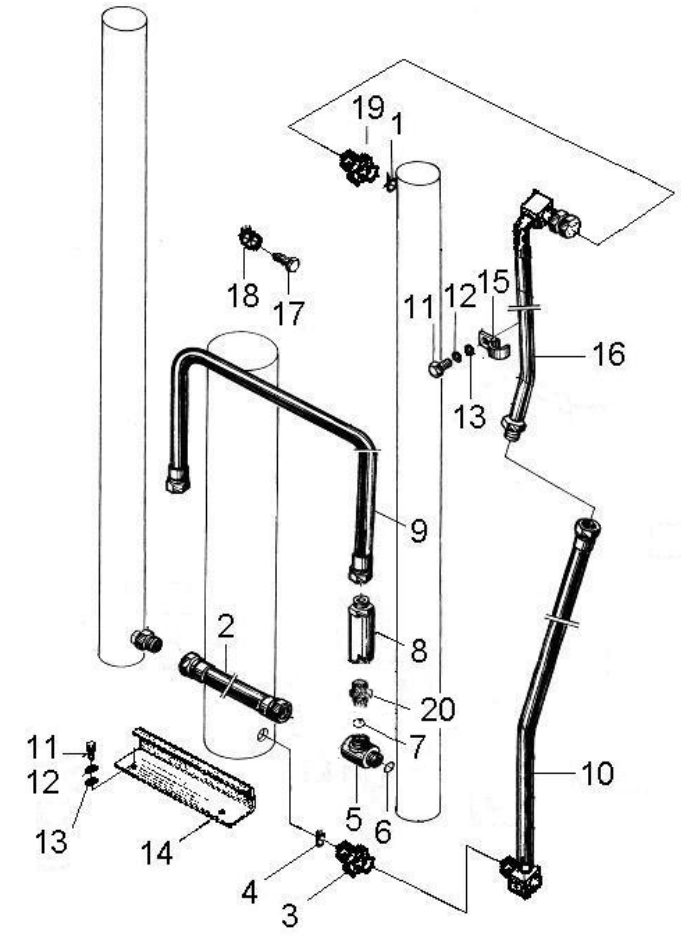


Item	Part NO.	Description	Qty	Remarks or Serial NO.
1	66001282	Washer 18	1	
2	66001832	Rubber pipe	1	
3	66001708	Nipple	1	
4	66000266	Washer 22	1	
5	66002167	Tee Connector	1	
6	66001189	O-ring 20×2.4	1	
7	66000094	O-ring 24×2.4	2	
8	66002332	Speed limiting valve	1	
9	66001835	Oil pipe assy	1	
10	See Optional Parts List 13	Rubber pipe	1	
11	66000115	Bolt M8×16	3	
12	66000065	Washer 8	3	
13	66000163	Washer 8	3	
14	66001619	Cover, oil pipe	1	
15	66002429	Clip	1	

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Fig.19 Mast piping

2t-2.5t DUPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
16	See Optional Parts List 13	Oil pipe	1	
17	66001833	Plug	1	
18	66000598	Clamp 18	1	
19	66002431	Nipple	1	
20	66002166	Nipple	1	

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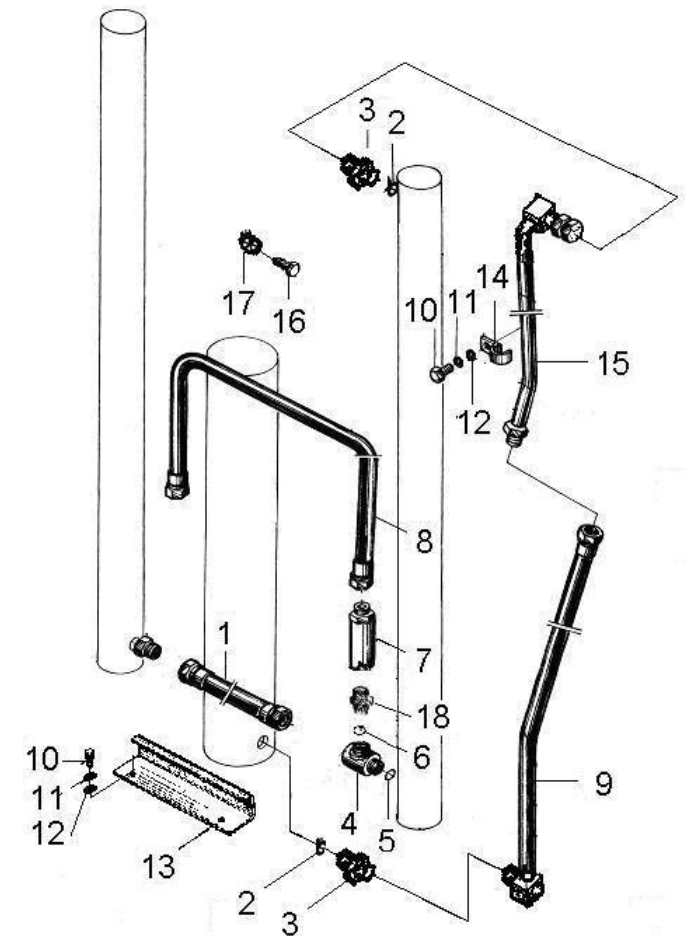
<Optional Parts List 13> (2t-3.5t)

Item No.	10	16	9(3-3.5)t	15(3t)	15(3.5t)
Lift Height	Part NO.	Part NO.	Part NO.	Part NO.	Part NO.
2000	66002425	66001787	66002614	66001787	66002068
2500	66002424	66001800	66002613	66001800	66002079
2700	66002424	66001813	66002613	66001813	66002090
3000	66002430	66001517	66002613	66001834	66001834
3300	66002430	66001846	66002619	66001846	66002116
3500	66002430	66001859	66002619	66001859	66002127
3600	66002430	66001551	66002619	66001872	66002138
4000	66002430	66001563	66002619	66001885	66002149

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Fig.20 Mast piping

3t-3.5t DUPLEX MAST

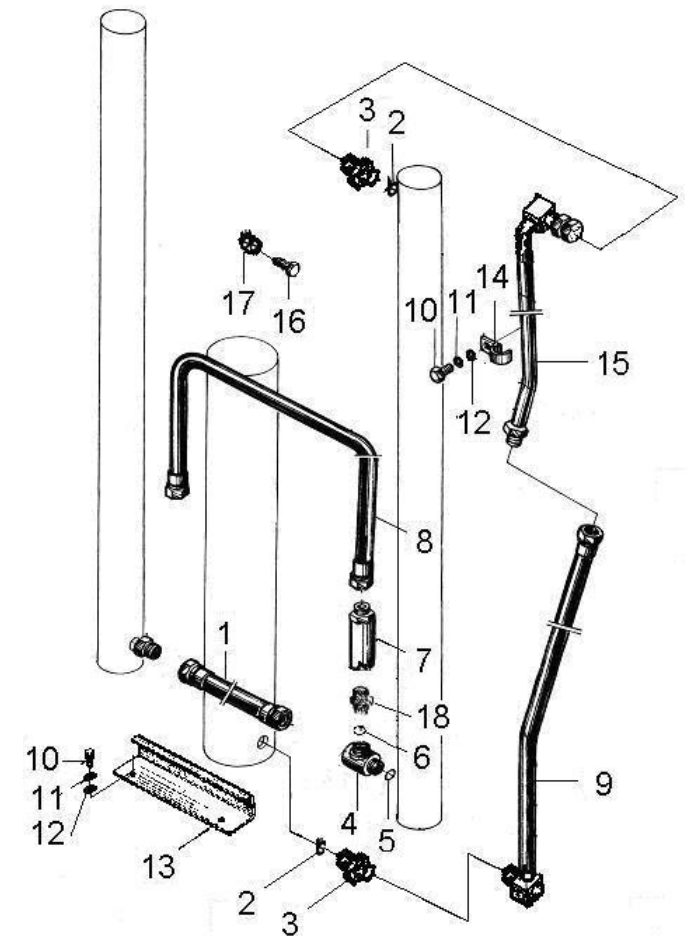


Item	Part NO.	Description	Qty	Remarks or Serial NO.
1	66001832	Rubber pipe	1	
2	66000266	Washer 22	2	
3	66001708	Nipple	2	3t
-	66002002	Nipple	2	3.5t
4	66002167	Tee Connector	1	
5	66001189	O-ring 20×2.4	1	
6	66000094	O-ring 24×2.4	2	
7	66002333	Speed limiting valve	1	
8	66001835	Oil pipe assy	1	
9	See Optional Parts List 13	Rubber pipe	1	
10	66000115	Bolt M8×16	3	
11	66000065	Washer 8	3	
12	66000163	Washer 8	3	
13	66001619	Cover, oil pipe	1	
14	66002429	Clip	1	

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Fig.20 Mast piping

3t-3.5t DUPLEX MAST

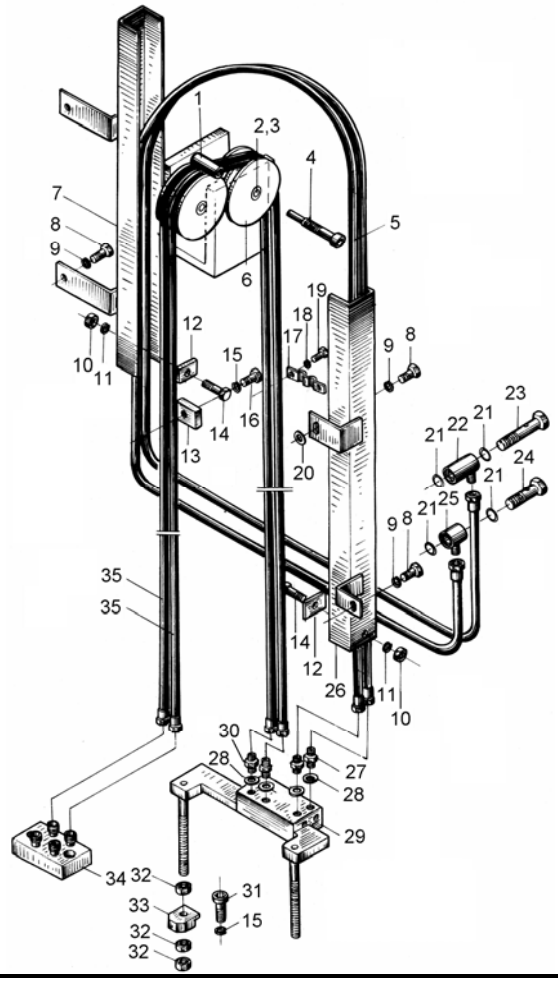


Item	Part NO.	Description	Qty	Remarks or Serial NO.
15	See Optional Parts List 13	Oil pipe	1	
16	66001833	Plug	1	
17	66000598	Clamp 18	1	
18	66002166	Nipple	1	

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Fig.21 Side shifter piping

2t-3.5t DUPLEX MAST

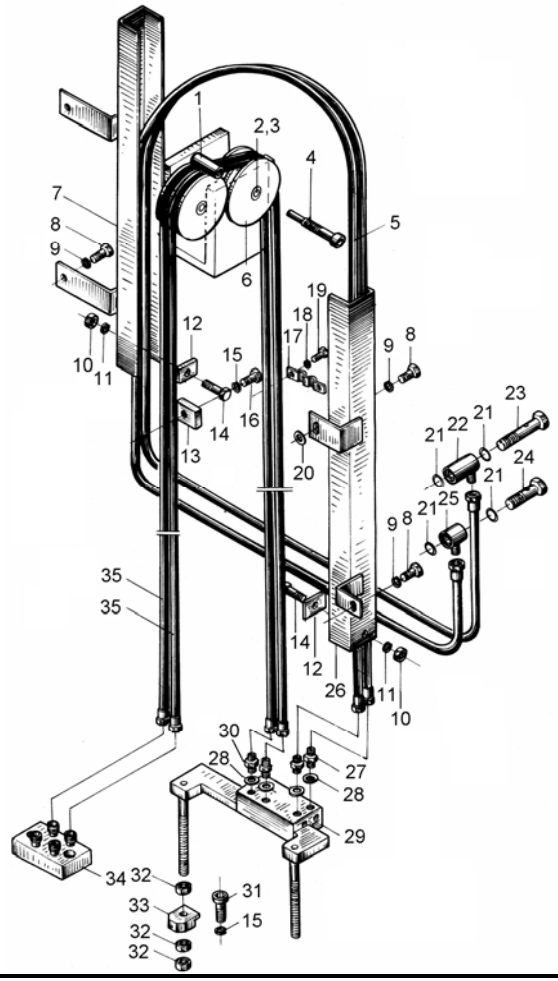


Item	Part NO.	Description	Qty	Remarks or Serial NO.
1	66001132	Sleeve	1	
2	66002348	Pin shaft	2	
3	66001173	Screw M6×12	2	
4	66001133	Screw	1	
5	See Optional Parts List 14	Oil pipe assy	1	
6	66001107	Pulley wheel	2	
7	66001141	Slipping lump,Right	1	2t-3.5t 3m
	66001138	Slipping lump,Right	1	2t-3t 3.3m
	66002450	Slipping lump,Right	1	3.5t 3.3m
	66002450	Slipping lump,Right	1	2t-2.5t 3.5t 3.6m
	66002451	Slipping lump,Right	1	3t 3.6m
	66002450	Slipping lump,Right	1	2t-3.5t 4m
8	66001206	Bolt M10×16	4	
9	66000066	Washer 10	5	
10	66000144	Nut M5	2	

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Fig.21 Side shifter piping

2t-3.5t DUPLEX MAST

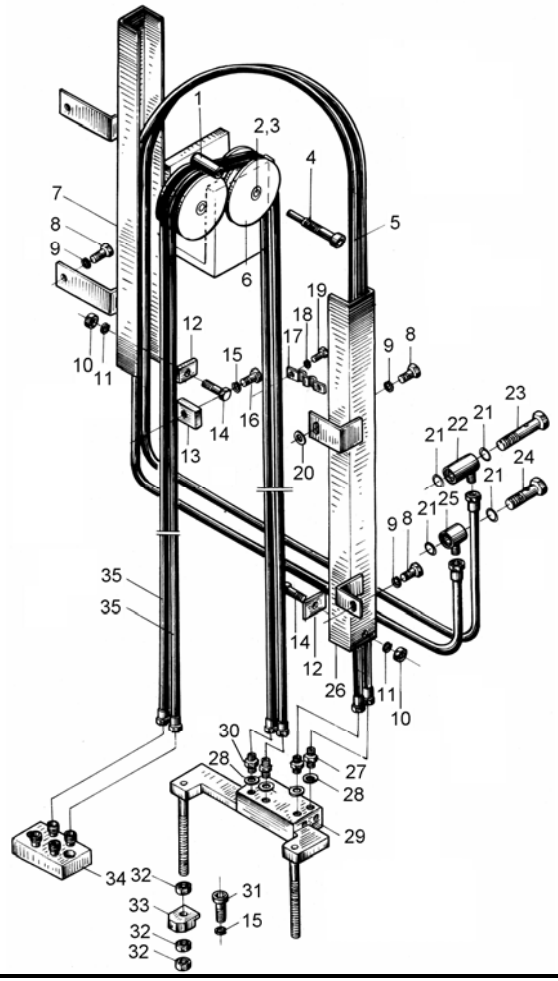


Item	Part NO.	Description	Qty	Remarks or Serial NO.
11	66000063	Washer 5	2	
12	66002434	Press block	2	
13	66002435	Press block	2	
14	66001209	Bolt M5×35	2	
15	66000065	Washer 8	1	
16	66001210	Bolt M8×35	2	
17	66002349	Clip	1	
18	66000064	Washer 6	3	
19	66001167	Bolt M6×12	2	
20	66000164	Washer 10	2	
21	66001205	O-ring 26×2.4	4	
22	66002621	Connector Body	1	
23	66002529	Hinge bolt	1	
24	66002530	Hinge bolt	1	
25	66002620	Connector Body	1	

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Fig.21 Side shifter piping

2t-3.5t DUPLEX MAST

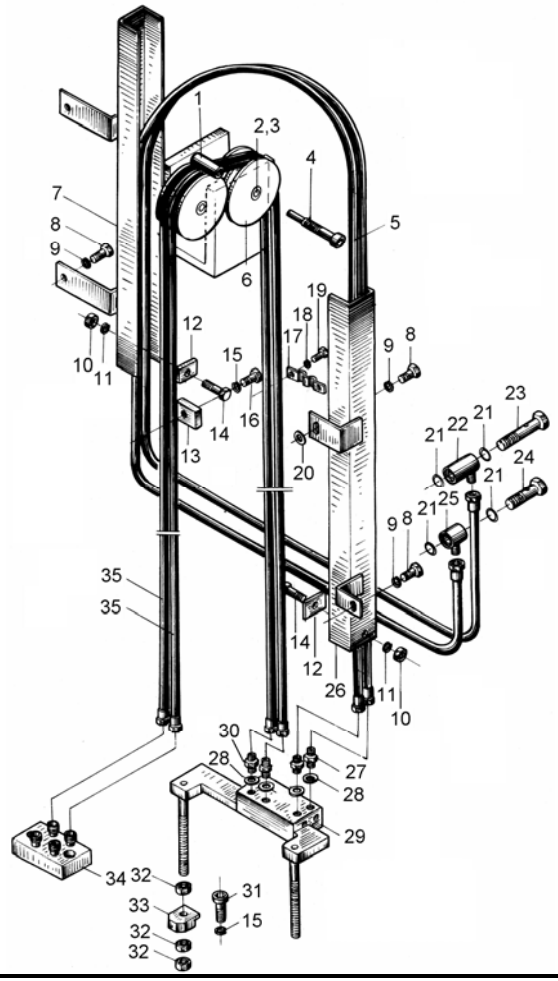


Item	Part NO.	Description	Qty	Remarks or Serial NO.
26	66001135	Slipping lump	1	2t-3t 3m
	66002449	Slipping lump	1	3.5t 3m
	66001137	Slipping lump	1	2t-2.5t 3.3m
	66001142	Slipping lump	1	3t 3.3m
	66002450	Slipping lump	1	3.5t 3.3m
	66001139	Slipping lump	1	2t-2.5t 3.6m
	66001143	Slipping lump	1	3t 3.6m
	66002452	Slipping lump	1	3.5t 3.6m
	66001140	Slipping lump	1	2t-2.5t 4m
	66001144	Slipping lump	1	3t 4m
	66002453	Slipping lump	1	3.5t 4m
27	66001130	Nipple	2	
28	66000264	Washer 14	4	
29	66001136	Connector seat	1	
30	66001131	Nipple	2	

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Fig.21 Side shifter piping

2t-3.5t DUPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
31	66001168	Bolt M8×25	2	
32	66000147	Nut M10	6	
33	66001129	Plate	2	
34	66001134	Connector seat	1	
35	See Optional Parts List 14	Oil pipe assy	2	2t-2.5t
	See Optional Parts List 14	Oil pipe assy	2	3t-3.5t

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<Optional Parts List 14> (2t-3.5t)

Item No.	5(2t-2.5t)	5(3t)
Lift Height	Part NO.	Part NO.
2500	66001123	66001124
2700	66001124	66001124
3000	66001125	66001125
3300	66001125	66001126
3600	66001126	66001127
4000	66001127	/

Item No.	5(3.5t)	35(2t-2.5t)
Lift Height	Part NO.	Part NO.
2500	/	66001111
2700	66001124	66001112
3000	66001125	66001113
3300	66001126	66001114
3600	66001127	66001115
4000	66001128	66001116

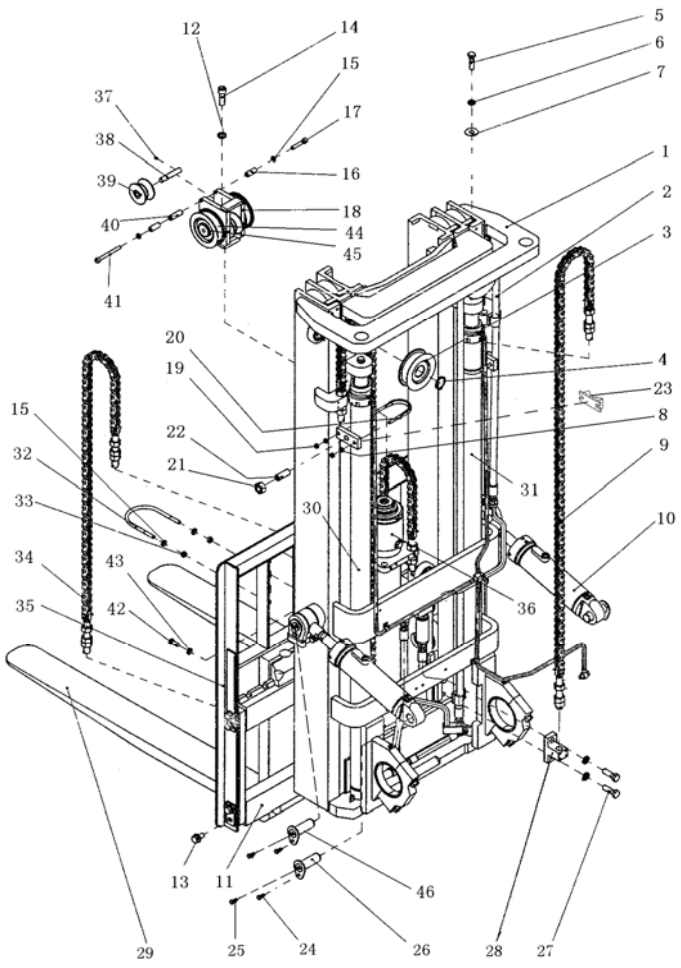
https://truckmanualshub.com/

Item No.	35(3t)	35(3.5t)
Lift Height	Part NO.	Part NO.
2500	66001111	/
2700	66001117	66001117
3000	66001112	66001112
3300	66001119	66001118
3600	66001121	66001120
4000	/	66001122

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Fig.22 Lifting part

2t-3.5t TRIPLEX MAST

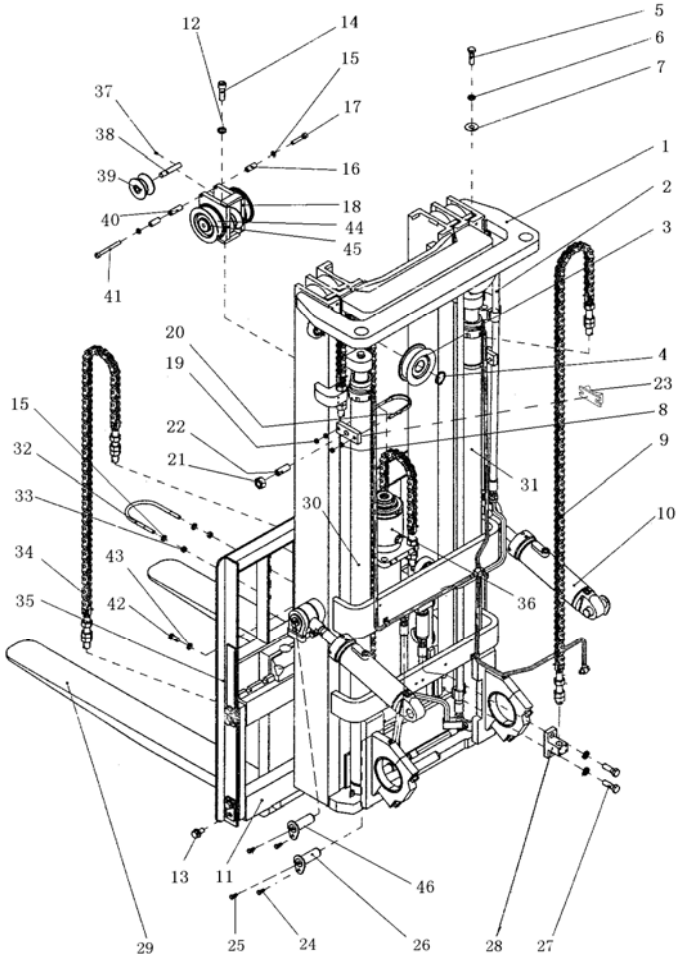


Item	Part NO.	Description	Qty	Remarks or Serial NO.
1	66001405	Mast	1	Fig.24 2-.2.5t
-	66001704	Mast	1	Fig.24 3t
-	66001998	Mast	1	Fig.24 3.5t
2	NO PART NO.	Mast piping	1	Fig.28 (2t-2.5t)
-	NO PART NO.	Mast piping	1	Fig.28 (3t)
-	NO PART NO.	Mast piping	1	Fig.28 (3.5t)
3	66002623	Chain wheel	2	2t-3t
-	66002624	Chain wheel	2	3.5t
4	66001223	Snap ring 40	2	
5	66001212	Bolt M14×1.5×55	2	
6	66000068	Washer 14	2	
7	66002531	Washer	2	
8	66000146	Nut M8	4	
9	66002559	Chain assy	2	Fig.23 (2t-3t)
-	66002468	Chain assy	2	Fig.23 (3.5t)

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Fig.22 Lifting part

2t-3.5t TRIPLEX MAST

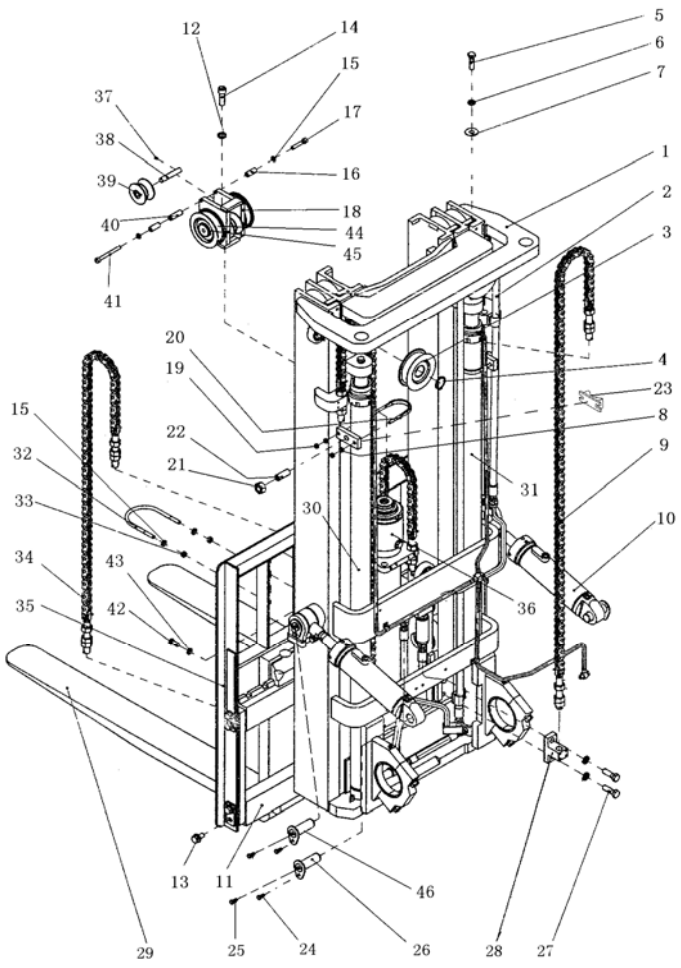


Item	Part NO.	Description	Qty	Remarks or Serial NO.
10	66002240	Tilt cylinder	2	Fig.6 (2t-3t)
-	66002306	Tilt cylinder	2	Fig.6 (3.5t)
11	66001409	Fork shelf assy	1	Fig.25 (2t-2.5t)
-	66001717	Fork shelf assy	1	Fig.25 (3t)
-	66002005	Fork shelf assy	1	Fig.25 (3.5t)
-	66001284	Side shifter assy	1	Fig.15 (2t-2.5t)
-	66001287	Side shifter assy	1	Fig.15 (3t)
-	66001290	Side shifter assy	1	Fig.15 (3.5t)
12	66000069	Washer 16	5	
13	66001595	Bolt M14×1.5×30	8	
14	66001172	Screw M16×50	1	
15	66000066	Washer 10	4	
16	66002439	Sleeve	2	
17	66001171	Screw M10×55	1	
18	66002441	Chain wheel seat	1	2t-3t

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Fig.22 Lifting part

2t-3.5t TRIPLEX MAST

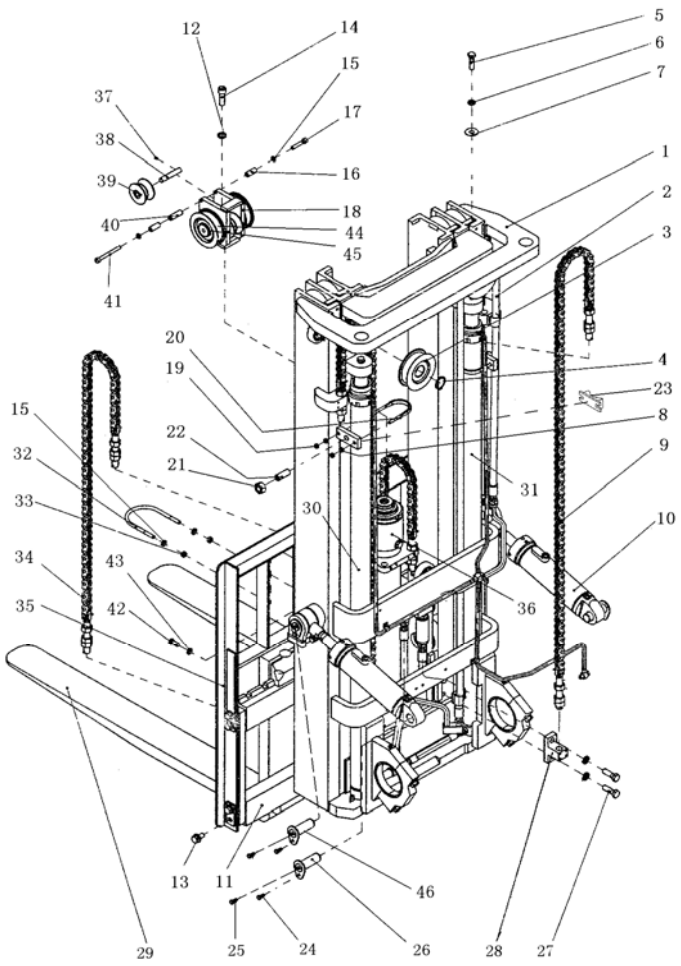


Item	Part NO.	Description	Qty	Remarks or Serial NO.
-	66002469	Chain wheel seat	1	3.5t
19	66001185	Nut M8		
20	66001404	U-Bolt	2	2t-2.5t
-	66001701	U-Bolt	2	3t
-	66001997	U-Bolt	2	3.5t
21	66001217	Nut M20	2	
22	66001702	Screw M20×46	2	
23	66002352	cylinder's support	2	2.5t
-	66002537	cylinder's support	2	3t-3.5t
24	66001593	Bolt M10×1.25×20	4	
25	66001187	Oil cup M10×1	4	
26	66001591	Pin shaft	2	
27	66001215	Bolt M16×1.5×40	4	
28	66002440	Chain seat	2	
29	66001309	Fork assy	2	2t-2.5t

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Fig.22 Lifting part

2t-3.5t TRIPLEX MAST

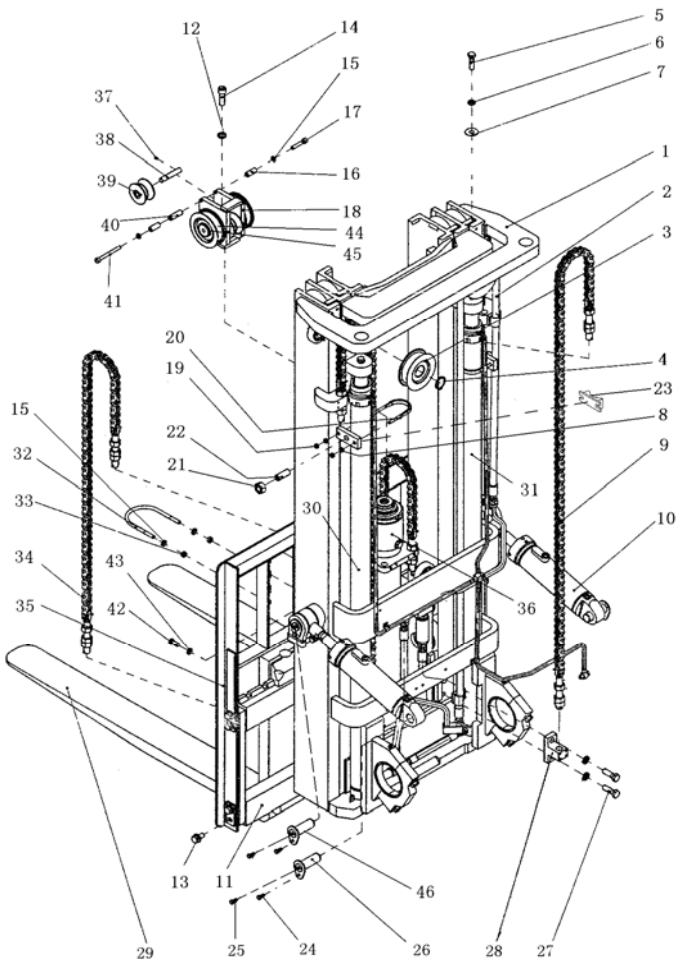


Item	Part NO.	Description	Qty	Remarks or Serial NO.
-	66001597	Fork assy	2	3t
-	66001907	Fork assy	2	3.5t
30	66002356	Lift cylinder,Left	1	Fig.26 2t-2.5t 4.5m
-	66002545	Lift cylinder,Left	1	Fig.26 3t 4.5m
-	66002471	Lift cylinder,Left	1	Fig.26 3.5t 4.5m
31	66002353	Lift cylinder,Right	1	Fig.26 2t-2.5t 4.5m
-	66002542	Lift cylinder,Right	1	Fig.26 3t 4.5m
-	66002473	Lift cylinder,Right	1	Fig.26 3.5t 4.5m
32	66002426	Bolt	1	2t-2.5t
-	66002615	Bolt	1	3t
-	66002467	Bolt	1	3.5t
33	66000147	Nut M10	2	
34	66002372	Chain assy	2	Fig.23 2t-2.5t
-	66002617	Chain assy	2	Fig.23 3t
-	66002525	Chain assy	2	Fig.23 3.5t

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Fig.22 Lifting part

2t-3.5t TRIPLEX MAST

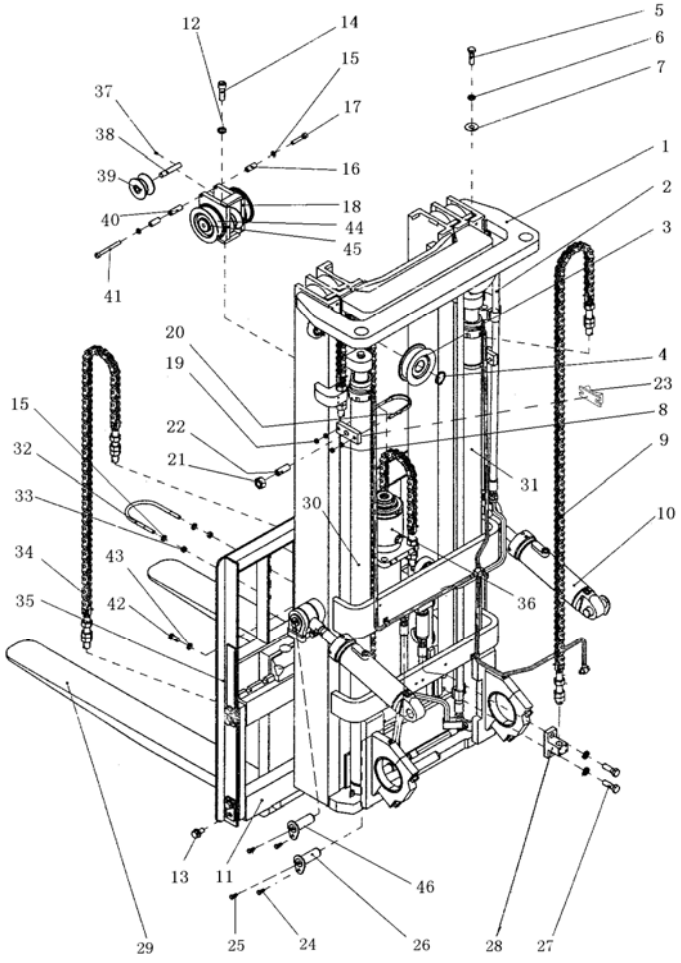


Item	Part NO.	Description	Qty	Remarks or Serial NO.
35	66001310	Load Backrest	1	2t-2.5t
-	66001599	Load Backrest	1	3t-3.5t
36	66001411	Lift cylinder,Short	1	Fig.27 (2t-2.5t)
-	66001719	Lift cylinder,Short	1	Fig.27 (3t)
-	66002007	Lift cylinder,Short	1	Fig.27 (3.5t)
37	66001173	Screw M6×12	2	
38	66002348	Pin shaft	2	
39	66001107	Pulley wheel	2	
40	66001132	Sleeve	1	
41	66001133	Screw	1	
42	66001211	Bolt M12×25	1	
43	66000067	Washer 12	1	
44	66002622	Chain wheel	2	2t-3t
-	66002625	Chain wheel	2	3.5t
45	66001224	Snap ring 45	2	

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Fig.22 Lifting part

2t-3.5t TRIPLEX MAST

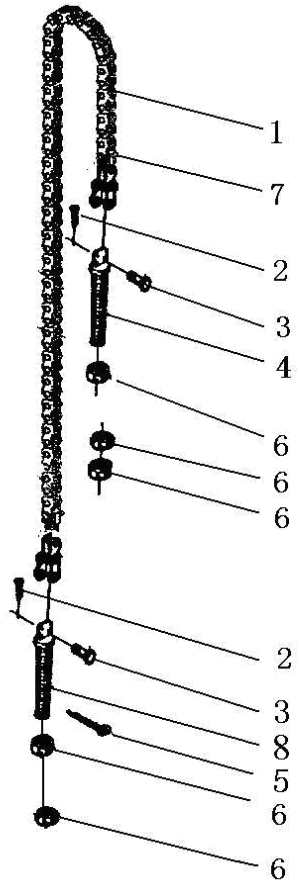


Item	Part NO.	Description	Qty	Remarks or Serial NO.
46	66001703	Pin shaft	2	

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Fig.23 Chain assy

2t-3.5t TRIPLEX MAST

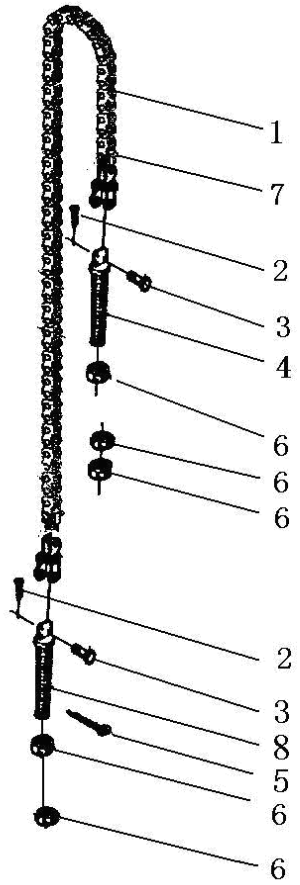


Item	Part NO.	Description	Qty	Remarks or Serial NO.
A1	See Optional Parts List 15	Chain assy	2	Fig.22 (2t-3t) item 9
-	See Optional Parts List 15	Chain assy	2	Fig.22 (3.5t) item 9
A2	See Optional Parts List 15	Chain assy	2	Fig.22 (2t-2.5t) item 34
-	See Optional Parts List 15	Chain assy	2	Fig.22 (3t) item 34
-	See Optional Parts List 15	Chain assy	2	Fig.22 (3.5t) item 34
1	NO PART NO.	Chain LH1623×77	1	2t-2.5t 3m
-	NO PART NO.	Chain LH1623×77	1	3 t 3m
-	NO PART NO.	Chain LH1634×81	1	3.5t 3m
2	66001174	Pin 3×20	2	2t-3t
-	66000059	Pin 3.2×20	2	3.5t
3	NO PART NO.	Pin shaft	2	2t-3t
-	NO PART NO.	Pin shaft	2	3.5t
4	NO PART NO.	Connector	1	2t-3t
-	NO PART NO.	Connector	1	3.5t
5	66001177	Pin 2.5×28	1	

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Fig.23 Chain assy

2t-3.5t TRIPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
6	66000150	Nut M20×1.5	5	
7	NO PART NO.	Chain LH1623×57	1	2t-2.5t
-	NO PART NO.	Chain LH1623×57	1	3t
-	NO PART NO.	Chain LH1634×55	1	3.5t
8	NO PART NO.	Connector	1	2t-3t
-	NO PART NO.	Connector	1	3.5t

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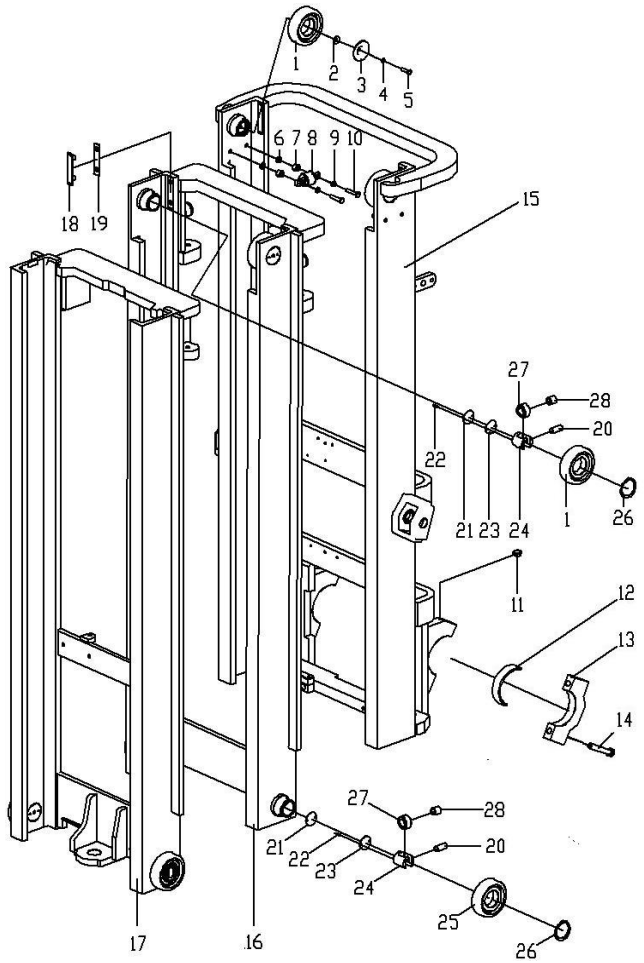
<Optional Parts List 15> (2t-3.5t)

Item No.	A1 2t-2.5t	A1 3t	A1 3.5t	A2 2t-2.5t	A2 3t	A2 3.5t
Lift Height	Part NO.	Part NO.	Part NO.	Part NO.	Part NO.	Part NO.
4000	66002386	66002572	66002483	66001384	66001683	66001385
4300	66002365	66002553	66002459	66001394	66001692	66001395
4500	66002559	66002559	66002468	66002372	66002617	66002525
4800	66002379	66002565	66002476	66001415	66001723	66001416
5000	66002398	66002586	66002497	66001425	66001732	66001426
5500	66002393	66002579	66002490	66001435	66001741	66001436
6000	66002412	66002600	66002512	66001445	66001752	66001446
6500	66002405	66002593	66002505	66001455	66001761	66001456
7000	66002419	66002607	66002519	66001466	66001770	66001467

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Fig.24 Mast

2t-3.5t TRIPLEX MAST

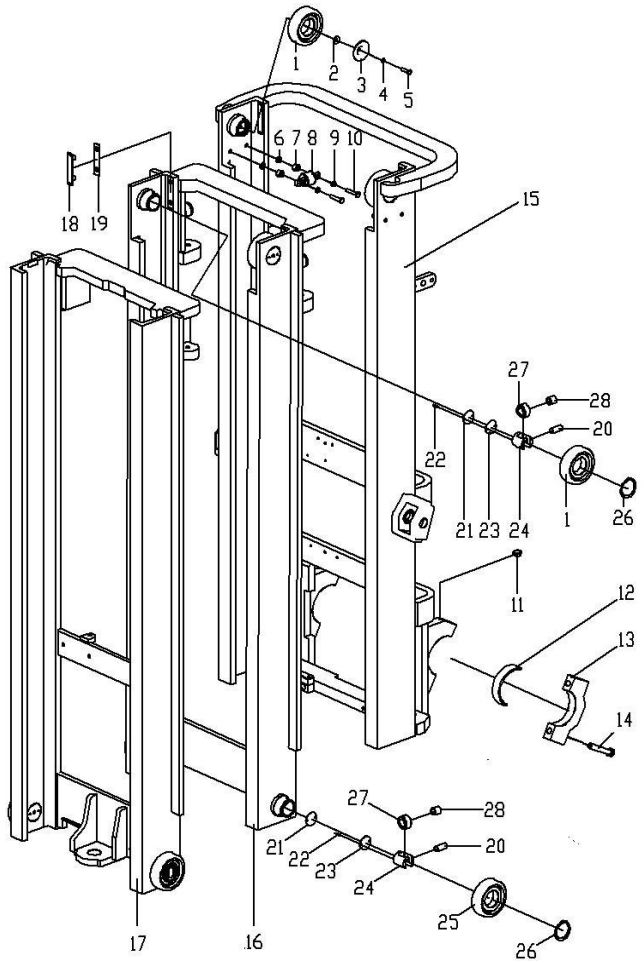


Item	Part NO.	Description	Qty	Remarks or Serial NO.
A1	66002618	Cross roller assy	2	INC:1-5
A2	66001596	Complex roller assy	2	INC:1,20-24,26-28
1	66002627	Cross roller 55×120×34	4	
2	66002447	Ajusting shim	2	
3	66002448	Press cover	2	
4	66000065	Washer 8	2	
5	66000117	Bolt M8×20	2	
A3	66002208	Cross roller assy	2	INC:6-10
6	66001586	Ajusting shim	4	
7	66001587	Washer	4	
8	66002209	Cross roller	2	
9	66000066	Washer 10	4	
10	66000108	Bolt M10×45	4	
11	66001187	Oil cup M10×1	2	
12	66001585	Axle bush	2	

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Fig.24 Mast

2t-3.5t TRIPLEX MAST

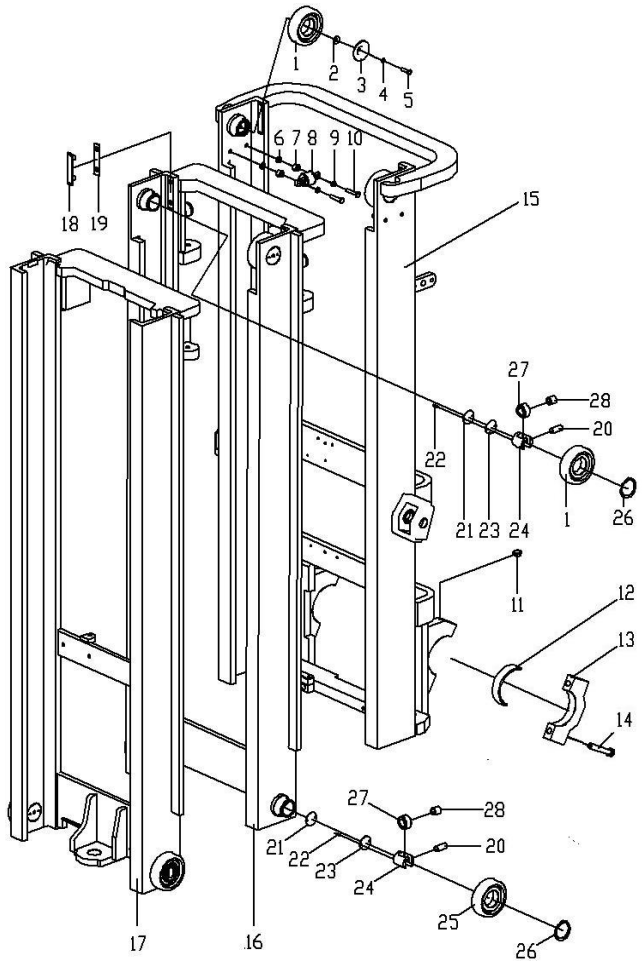


Item	Part NO.	Description	Qty	Remarks or Serial NO.
13	66001584	Bearing cap	2	
14	66001594	Bolt M18×1.5×55	4	
15	See Optional Parts List 16	Out mast	1	2t-2.5t
-	See Optional Parts List 16	Out mast	1	3t
-	See Optional Parts List 16	Out mast	1	3.5t
16	See Optional Parts List 16	Middle mast	1	2t-2.5t
-	See Optional Parts List 16	Middle mast	1	3t
-	See Optional Parts List 16	Middle mast	1	3.5t
17	See Optional Parts List 16	Inside mast	1	2t-2.5t
-	See Optional Parts List 16	Inside mast	1	3t
-	See Optional Parts List 16	Inside mast	1	3 .5t
18	66001589	Guide board	4	
19	66001590	Ajusting shim	4	
A4	66002536	Roller assy	2	INC:20-28
20	66002532	Shaft	6	

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Fig.24 Mast

2t-3.5t TRIPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
21	66002438	Ajusting shim	6 组	
22	66001181	Pin 4×20	12	
23	66002437	Rubber cover	6	
24	66002436	Seat	6	
25	66002626	Cross roller 55×119×34	4	
26	66001225	Snap ring 55	6	
27	66002533	Side roller	6	
28	66002534	Bush,side roller	6	

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<Optional Parts List 16> (2t-3.5t)

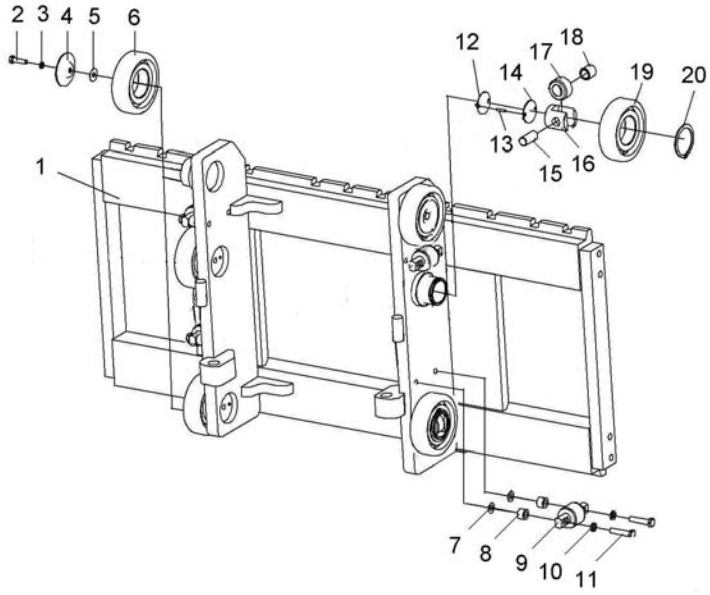
Item No.	15	16	17
Lift Height	Part NO.	Part NO.	Part NO.
4000(2t-2.5t)	66001386	66001388	66001387
4000(3t)	66001684	66001686	66001685
4000(3.5t)	66001981	66001983	66001982
4300(2t-2.5t)	66001396	66001398	66001397
4300(3t)	66001693	66001695	66001694
4300(3.5t)	66001989	66001991	66001990
4500(2t-2.5t)	66001406	66001408	66001407
4500(3t)	66001705	66001707	66001706
4500(3.5t)	66001999	66002001	66002000
4800(2t-2.5t)	66001417	66001419	66001418
4800(3t)	66001724	66001726	66001725
4800(3.5t)	66002011	66002013	66002012
5000(2t-2.5t)	66001427	66001429	66001428
5000(3t)	66001733	66001735	66001734
5000(3.5t)	66002019	66002021	66002020

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Item No.	15	16	17
Lift Height	Part NO.	Part NO.	Part NO.
5500(2t-2.5t)	66001437	66001439	66001438
5500(3t)	66001742	66001744	66001743
5500(3.5t)	66002027	66002029	66002028
6000(2t-2.5t)	66001447	66001449	66001448
6000(3t)	66001753	66001755	66001754
6000(3.5t)	66002036	66002038	66002037
6500(2t-2.5t)	66001457	66001459	66001458
6500(3t)	66001762	66001764	66001763
6500(3.5t)	66002044	66002046	66002045
7000(2t-2.5t)	66001468	66001465	66001469
7000(3t)	66001771	66001773	66001772
7000(3.5t)	66002052	66002054	66002053

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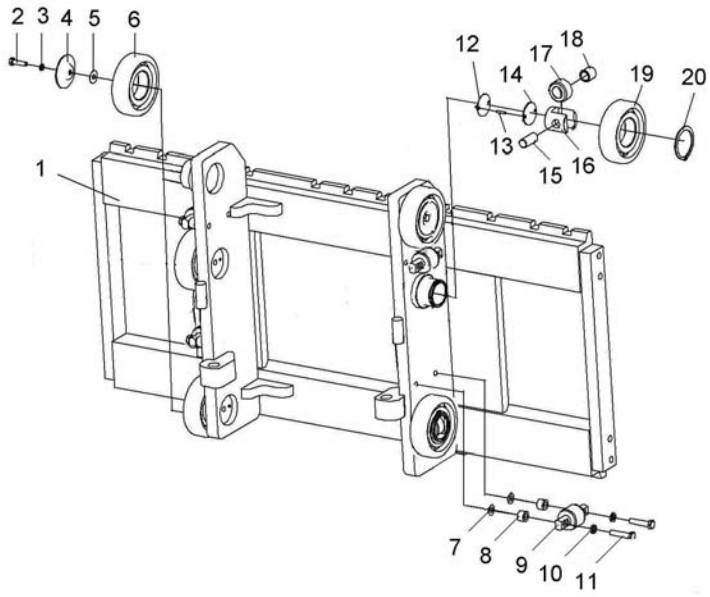
Fig.25 Fork carriage assy	2t-3.5t TRIPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
1	66001410	Fork carriage	1	2t-2.5t
-	66001718	Fork carriage	1	3t
-	66002006	Fork carriage	1	3.5t
A1	66002538	Roller assy	4	INC:2-6
2	66000117	Bolt M8×20	4	
3	66000065	Washer 8	4	
4	66002448	Press cover	4	
5	66002447	Ajusting shi	4	
6	66002626	Cross roller 55×119×34	4	
A2	66002208	Cross roller assy	4	INC:7-11
7	66001586	Ajusting shim	8	
8	66001587	Washer	8	
9	66002209	Cross roller	4	
10	66000066	Washer10	8	
11	66000108	Bolt M10×45	8	

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Fig.25 Fork carriage assy	2t-3.5t TRIPLEX MAST

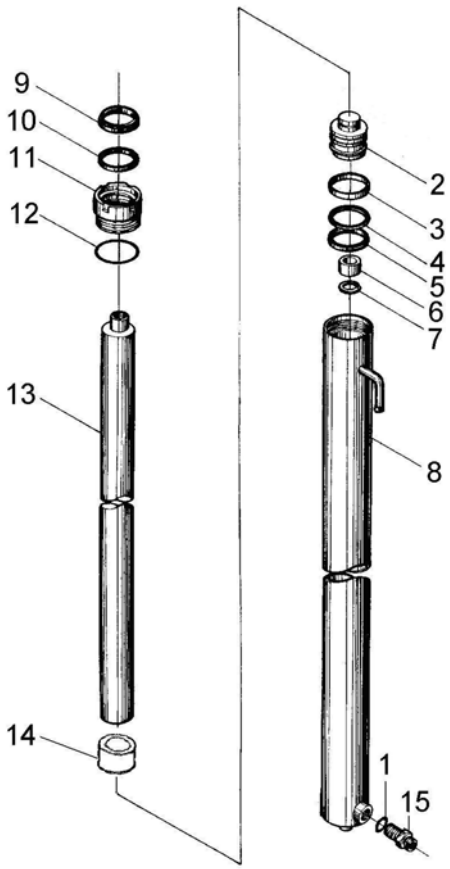


Item	Part NO.	Description	Qty	Remarks or Serial NO.
A3	66002540	Complex roller assy	2	INC:12-20
12	66002438	Ajusting shim	4	
13	66001181	Pin 4×20	8	
14	66002437	Rubber cover	4	
15	66002532	Shaft	4	
16	66002436	Seat	4	
17	66002533	Side roller	4	
18	66002534	Bush,side roller	4	
19	66002541	Cross roller	2	
20	66001225	Snap ring 55	4	

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Fig.26 Lift cylinder, Right / Left

2t-3.5t TRIPLEX MAST

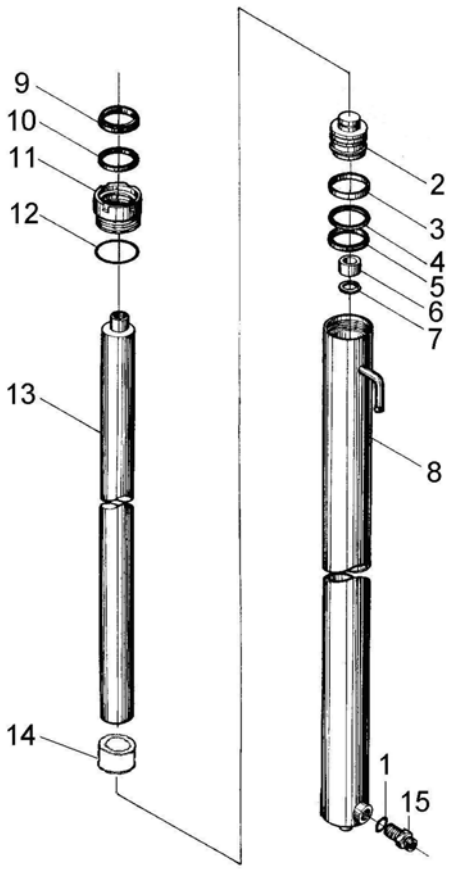


Item	Part NO.	Description	Qty	Remarks or Serial NO.
A1	See Optional Parts List 17	Lift cylinder,Right	1	2t-2.5t
-	See Optional Parts List 17	Lift cylinder,Right	1	3t
-	See Optional Parts List 17	Lift cylinder,Right	1	3.5t
A2	See Optional Parts List 17	Lift cylinder,Left	1	2t-2.5t
-	See Optional Parts List 17	Lift cylinder,Left	1	3t
-	See Optional Parts List 17	Lift cylinder,Left	1	3.5t
1	66000094	O-ring 24×2.4	1	2t-3.5t
2	66001313	Piston	1	2t-2.5t
-	66001602	Piston	1	3t
-	66002454	Piston	1	3.5t
3	66001314	Support ring	1	2t-2.5t
-	66001603	Support ring	1	3t
-	66002455	Support ring	1	3.5t
4	66001315	Ring	1	2t-2.5t
-	66001604	Ring	1	3t

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Fig.26 Lift cylinder, Right / Left

2t-3.5t TRIPLEX MAST

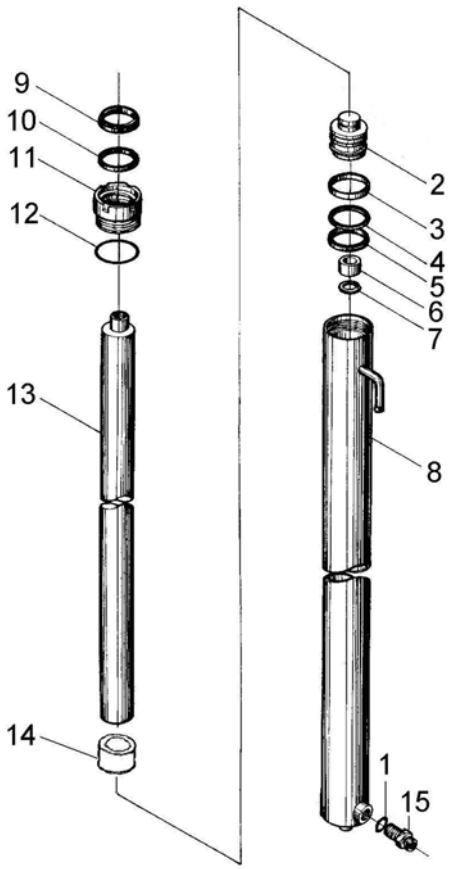


Item	Part NO.	Description	Qty	Remarks or Serial NO.
-	66002456	Ring	1	3.5t
5	66001154	OSI-seal ring D50	1	2t-2.5t
-	66001162	OSI-seal ring D56	1	3t
-	66001155	OSI-seal ring D60	1	3.5t
6	66001316	Sleeve	1	2t-2.5t
-	66001605	Sleeve	1	3t-3.5t
7	66001226	Snap ring 24	1	2t-2.5t
-	66001228	Snap ring 30	1	3t-3.5t
8	See Optional Parts List 17	Cylinder body,Right	1	2t-2.5t
-	See Optional Parts List 17	Cylinder body,Right	1	3t
-	See Optional Parts List 17	Cylinder body,Right	1	3.5t
-	See Optional Parts List 17	Cylinder body, Left	1	2t-2.5t
-	See Optional Parts List 17	Cylinder body, Left	1	3t
-	See Optional Parts List 17	Cylinder body, Left	1	3.5t
9	66001150	DKI-dustproof ring d40	1	2t-2.5t

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Fig.26 Lift cylinder, Right / Left

2t-3.5t TRIPLEX MAST

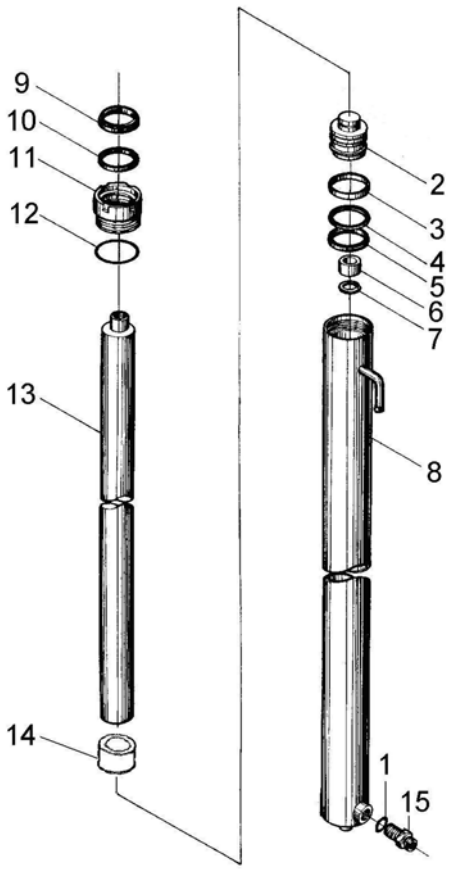


Item	Part NO.	Description	Qty	Remarks or Serial NO.
-	66001151	DKI-dustproof ring d45	1	3t-3.5t
10	66000014	ISI-seal ring d40	1	2.5t
-	66001153	ISI-seal ring d45	1	3t-3.5t
11	66001318	Guide sleeve	1	2.5t
-	66001607	Guide sleeve	1	3t
-	66002457	Guide sleeve	1	3.5t
12	66001231	O-ring 51.5×2.65	1	2t-2.5t
-	66001229	O-ring 56×2.65	1	3t
-	66001230	O-ring 60×2.65	1	3.5t
13	See Optional Parts List 17	Cylinder rod	1	2t-2.5t
-	See Optional Parts List 17	Cylinder rod	1	3t
-	See Optional Parts List 17	Cylinder rod	1	3.5t
14	See Optional Parts List 17	Spacer bush	1	
15	66002334	Nozzle valve assy	1	Lift cylinder,Right

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Fig.26 Lift cylinder, Right / Left

2t-3.5t TRIPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
	66002353-kit	Lift cylinder- KIT	2	INC:1、5、9、10、12, For 2t-2.5t
	66002542-kit	Lift cylinder- KIT	2	INC:1、5、9、10、12, For 3t
	66002473	Lift cylinder- KIT	2	INC:1、5、9、10、12, For 3.5t
	Notice：No. 2，13，after the assembly, it's a whole，also, when user or			

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<Optional Parts List 17> (2t-3.5t)

Item No.	A1	A2	8（Right）	8（Left）	13	14
Lift Height	Part NO.	Part NO.	Part NO.	Part NO.	Part NO.	Part NO.
4000(2.5t)	66002390	66002388	66002391	66002389	66002385	Without part 14
4000(3t)	66002574	66002576	66002575	66002577	66002571	Without part 14
4000(3.5t)	66002485	66002487	66002486	66002488	66002482	66002466
4300(2.5t)	66002369	66002367	66002370	66002368	66002364	Without part 14
4300(3t)	66002555	66002557	66002556	66002558	66002552	Without part 14
4300(3.5t)	66002461	66002463	66002462	66002464	66002458	66002466
4500(2.5t)	66002353	66002356	66002355	66002357	66002351	Without part 14
4500(3t)	66002542	66002545	66002544	66002546	66002535	Without part 14
4500(3.5t)	66002473	66002471	66002472	66002474	66002465	66002466
4800(2.5t)	66002383	66002381	66002384	66002382	66002378	Without part 14
4800(3t)	66002567	66002569	66002568	66002570	66002564	Without part 14
4800(3.5t)	66002478	66002480	66002479	66002481	66002475	66002466
5000(2.5t)	66002403	66002402	66002401	66002400	66002397	Without part 14
5000(3t)	66002588	66002590	66002589	66002591	66002585	Without part 14
5000(3.5t)	66002499	66002501	66002500	66002502	66002496	66002466

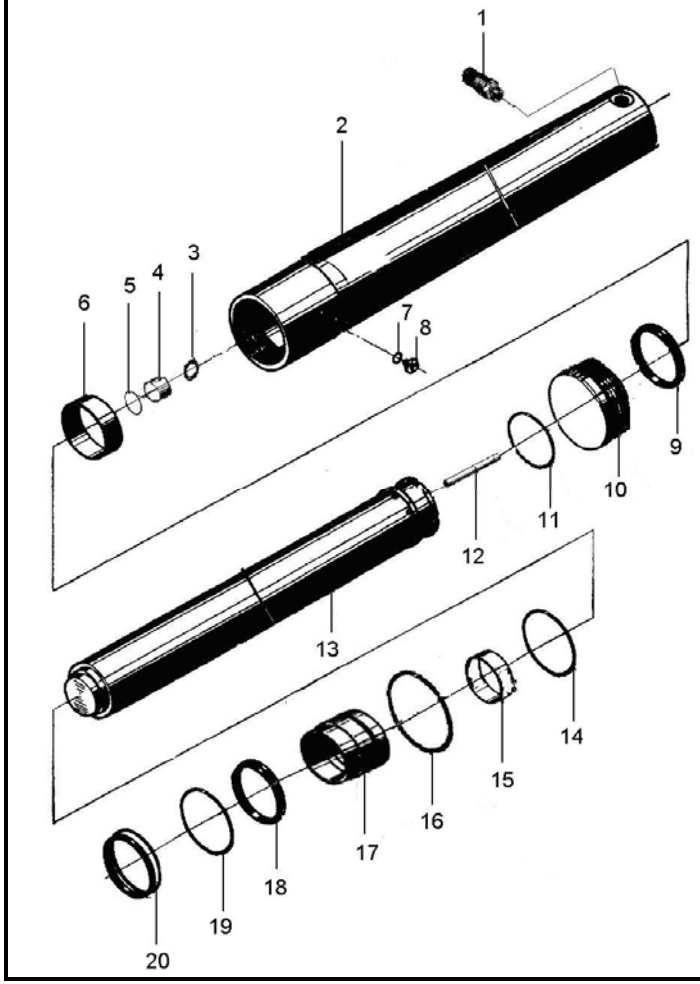
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Item No.	A1	A2	8（Right）	8（Left）	13	14
Lift Height	Part NO.	Part NO.	Part NO.	Part NO.	Part NO.	Part NO.
5500(2.5t)	66002362	66002361	66002396	66002395	66002392	Without part 14
5500(3t)	66002581	66002583	66002582	66002584	66002578	Without part 14
5500(3.5t)	66002492	66002494	66002493	66002495	66002489	66002466
6000(2.5t)	66002416	66002414	66002417	66002415	66002411	66002359
6000(3t)	66002602	66002604	66002603	66002605	66002599	Without part 14
6000(3.5t)	66002514	66002516	66002515	66002517	66002511	66002466
6500(2.5t)	66002409	66002407	66002410	66002408	66002404	66002358
6500(3t)	66002595	66002597	66002596	66002598	66002592	66002550
6500(3.5t)	66002507	66002509	66002508	66002510	66002503	66002504
7000(2.5t)	66002422	66002421	66002423	66002363	66002418	66002360
7000(3t)	66002609	66002611	66002610	66002612	66002606	66002551
7000(3.5t)	66002521	66002523	66002522	66002524	66002518	66002504

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Fig.27 Lift cylinder,Short

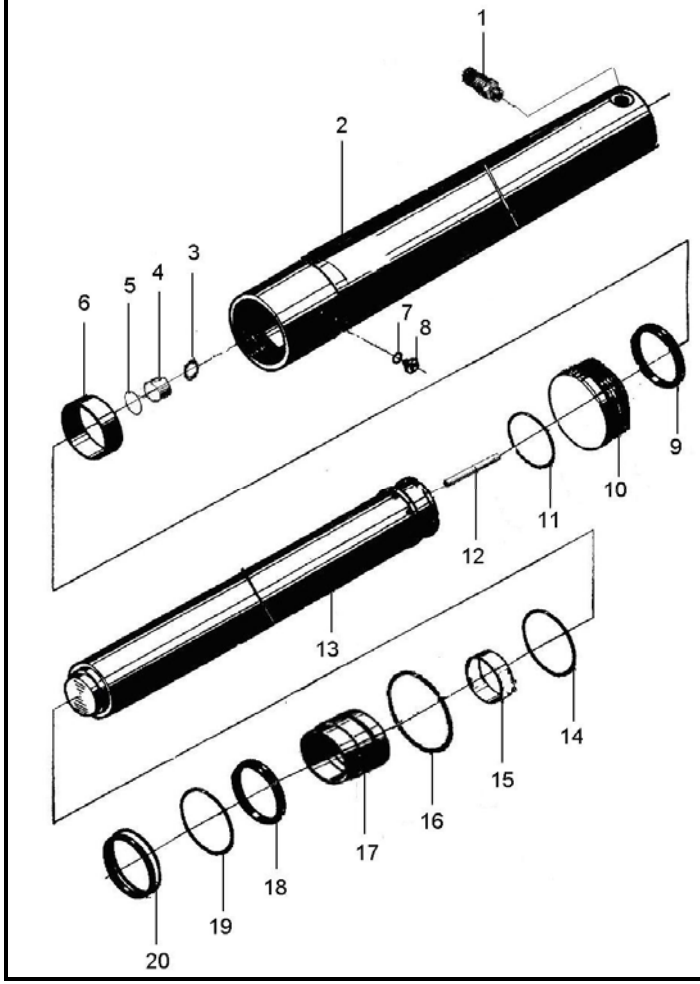
2t-3.5t TRIPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
A	See Optional Parts List 18	Lift cylinder,Short	1	SeeOP.Parts (2t-2.5t)
-	See Optional Parts List 18	Lift cylinder,Short	1	SeeOP.Parts (3t)
-	See Optional Parts List 18	Lift cylinder,Short	1	SeeOP.Parts (3.5t)
1	66002161	safety valve	1	2t-2.5t
-	66002174	safety valve	1	3t-3.5t
2	See Optional Parts List 18	Cylinder body	1	2t-2.5t
-	See Optional Parts List 18	Cylinder body	1	3t
-	See Optional Parts List 18	Cylinder body	1	3.5t
3	66001221	Snap ring 22	1	
4	66002162	check valve	1	
5	66001189	O-ring 20×2.4	1	
6	66002154	Wear ring 75×70×20	1	2t-2.5t
-	66002169	Wear ring 85×79×25	1	3t
-	66002343	Wear ring 95×89×25	1	3.5t
7	66000263	Washer 6	1	

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Fig.27 Lift cylinder,Short	2t-3.5t TRIPLEX MAST

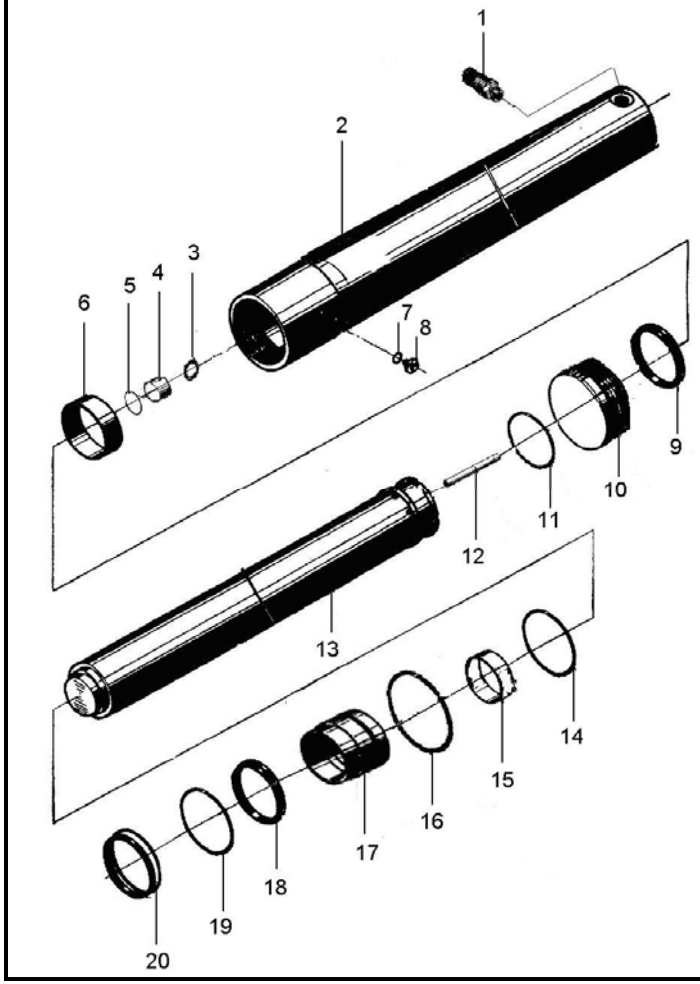


Item	Part NO.	Description	Qty	Remarks or Serial NO.
8	66001183	Bolt M6×8	1	
9	66002158	greggains circle D75	1	2t-2.5t
-	66002173	greggains circle D85	1	3t
-	66002344	greggains circle D95	1	3.5t
10	66002157	Piston	1	2t-2.5t
-	66002172	Piston	1	3t
	66002338	Piston	1	Piston
11	66002159	wire ring Φ3	1	2t-3t
-	66002340	wire ring Φ3	1	3.5t
12	66002160	steel tube	1	
13	See Optional Parts List 18	Cylinder rod	1	2t-2.5t
-	See Optional Parts List 18	Cylinder rod	1	3t
-	See Optional Parts List 18	Cylinder rod	1	3.5t
14	66001197	O-ring 75×3.1	1	2t-2.5t
-	66001200	O-ring 85×3.1	1	3t

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Fig.27 Lift cylinder,Short

2t-3.5t TRIPLEX MAST

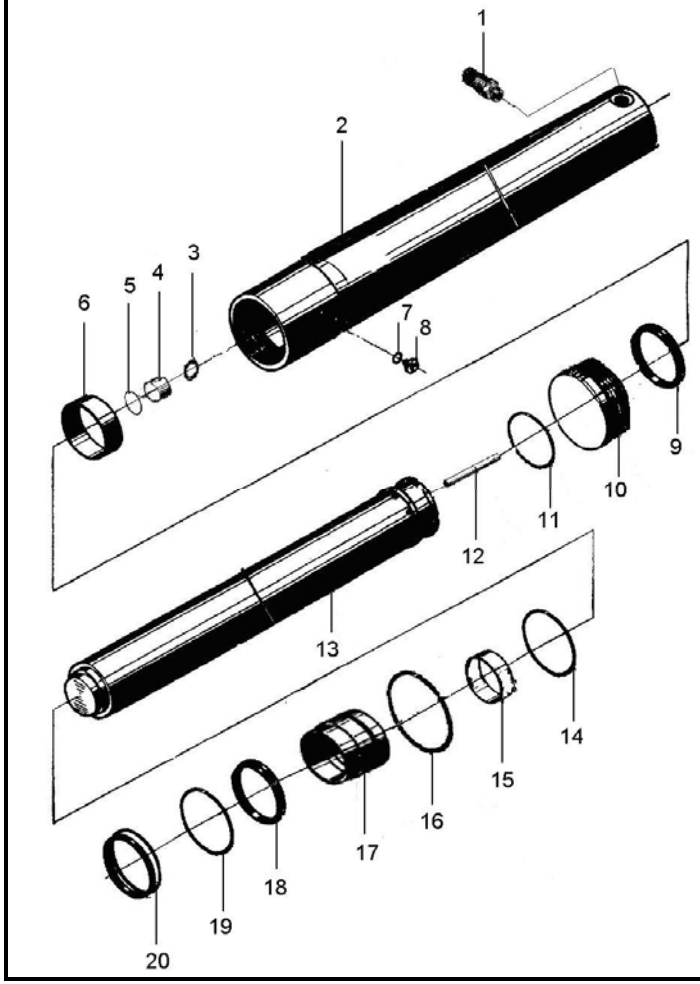


Item	Part NO.	Description	Qty	Remarks or Serial NO.
-	66001203	O-ring 95×3.1	1	3.5t
15	66002153	composite bushing 65 ×35	1	2t-2.5t
-	66002168	composite bushing 75 ×35	1	3t
-	66002341	composite bushing 85 ×35	1	3.5t
16	66001198	O-ring 80×3.1	1	2t-2.5t
-	66001202	O-ring 90×3.1	1	3t
-	66001204	O-ring 100×3.1	1	3.5t
17	66002156	Cap	1	2t-2.5t
-	66002171	Cap	1	3t
-	66002337	Cap	1	3.5t
18	66001156	ISI-seal ring d60	1	2t-2.5t
-	66001159	ISI-seal ring d70	1	3t
-	66001161	ISI-seal ring d80	1	3.5t
19	66002155	protection ring 70×60 ×2	1	2t-2.5t
-	66002170	protection ring 80×70 ×2	1	3t

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Fig.27 Lift cylinder,short

2t-3.5t TRIPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
	66002336	protection ring 90×80×2	1	3.5t
20	66001097	LBH-dustproof ring d60	1	2t-2.5t
-	66001098	LBH-dustproof ring d70	1	3t
-	66001099	LBH-dustproof ring d80	1	3.5t
	66001411-kit	Lift cylinder-KIT	1	INC:5、9、14、16、18、20，
	66001719-kit	Lift cylinder-KIT	1	INC:5、9、14、16、18、20，
	66002007-kit	Lift cylinder-KIT	1	INC:5、9、14、16、18、20，
Notice：No. 10，11，12，13 after the assembly, it's a whole，also, when user or				

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<Optional Parts List 18> (2t-3.5t)

Item No.	A	2	13
Lift Height	Part NO.	Part NO.	Part NO.
4000(2t-2.5t)	66001391	66001393	66001392
4000(3t)	66001689	66001691	66001690
4000(3.5t)	66001986	66001988	66001987
4300(2t-2.5t)	66001401	66001403	66001402
4300(3t)	66001698	66001700	66001699
4300(3.5t)	66001994	66001996	66001995
4500(2t-2.5t)	66001411	66001414	66001413
4500(3t)	66001719	66001722	66001721
4500(3.5t)	66002007	66002010	66002009
4800(2t-2.5t)	66001422	66001424	66001423
4800(3t)	66001729	66001731	66001730
4800(3.5t)	66002016	66002018	66002017
5000(2t-2.5t)	66001432	66001434	66001433
5000(3t)	66001738	66001740	66001739
5000(3.5t)	66002024	66002026	66002025

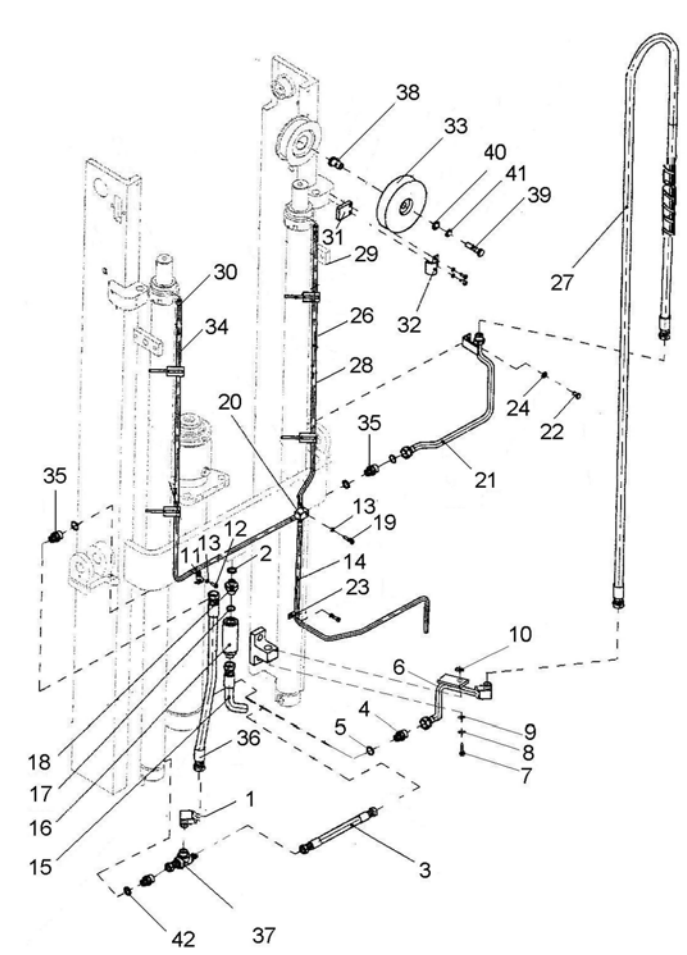
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Item No.	A	2	13
Lift Height	Part NO.	Part NO.	Part NO.
5500(2t-2.5t)	66001442	66001444	66001443
5500(3t)	66001749	66001751	66001750
5500(3.5t)	66002033	66002035	66002034
6000(2t-2.5t)	66001452	66001454	66001453
6000(3t)	66001758	66001760	66001759
6000(3.5t)	66002041	66002043	66002042
6500(2t-2.5t)	66001462	66001464	66001463
6500(3t)	66001767	66001769	66001768
6500(3.5t)	66002049	66002051	66002050
7000(2t-2.5t)	66001472	66001474	66001473
7000(3t)	66001776	66001778	66001777
7000(3.5t)	66002057	66002059	66002058

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Fig.28 Mast piping

2t-3.5t TRIPLEX MAST

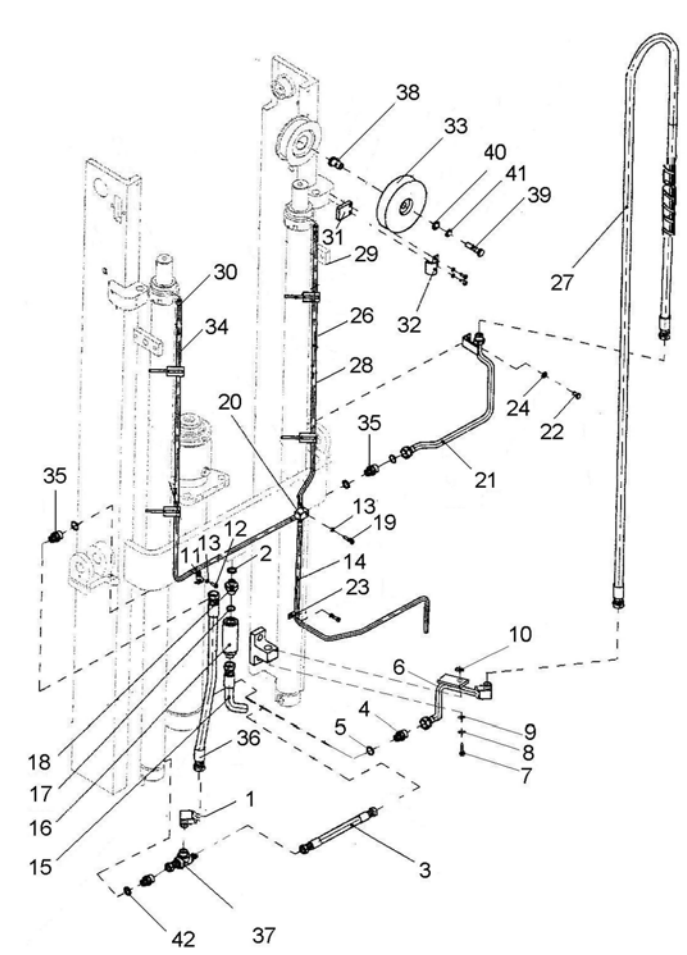


Item	Part NO.	Description	Qty	Remarks or Serial NO.
1	66002152	Elbow	1	
2	66001282	Washer 18	5	
3	66002373	Oil pipe assy	1	2t-2.5t
-	66002561	Oil pipe assy	1	3t
-	66002561	Oil pipe assy	1	3.5t
4	66001708	Nipple	1	2t-3t
-	66002002	Nipple	1	3.5t
5	66000266	Washer 22	1	
6	66002377	Connector	1	
7	66001170	Screw M10×35	1	
8	66000066	Washer 10	2	
9	66000164	Washer 10	2	
10	66000147	Nut M10	1	
11	66002549	Clip	1	
12	66000110	Bolt M6×16	3	

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Fig.28 Mast piping

2t-3.5t TRIPLEX MAST

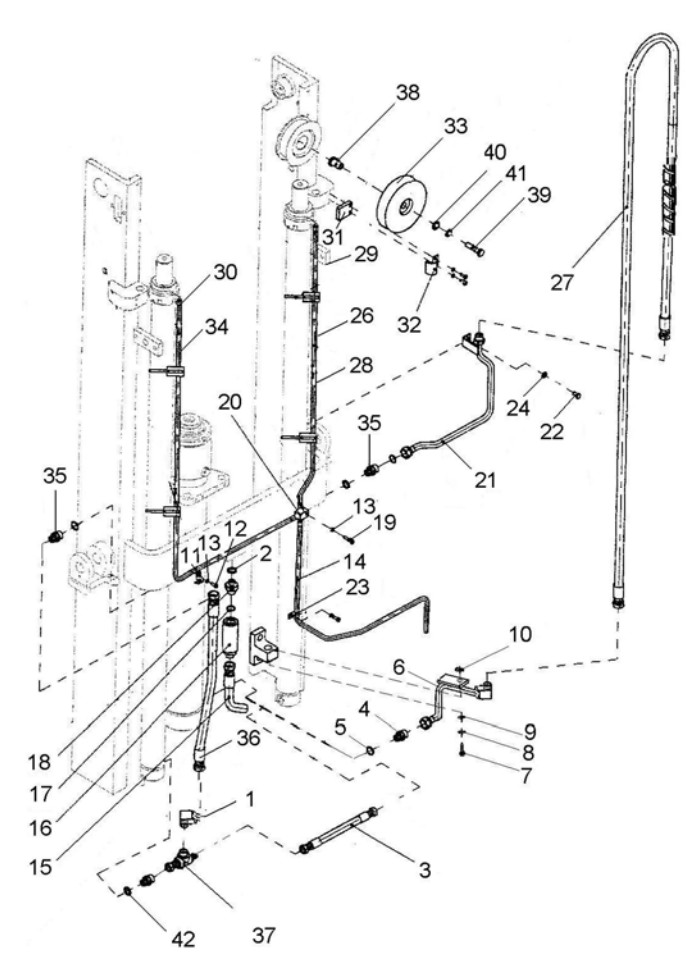


Item	Part NO.	Description	Qty	Remarks or Serial NO.
13	66000064	Washer 6	4	
14	66001715	Return oil pipe φ14.5/φ9.5	1	
15	66001709	Oil pipe assy	1	
16	66002332	Speed limiting valve	1	2t-2.5t
	66002333	Speed limiting valve	1	3t-3.5t
17	66000094	O-ring 24×2.4	1	
18	66002444	Connector	1	
19	66000112	Bolt M6×30	1	
20	66001714	Tee connector	1	
21	66001716	Oil pipe assy	1	
22	66001592	Bolt M8×1.25×16	2	
23	66001618	Clip	1	
24	66000163	Washer 8	1	
25	66001163	Clamp-band	4	
26	66001615	Band	4	

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Fig.28 Mast piping

2t-3.5t TRIPLEX MAST

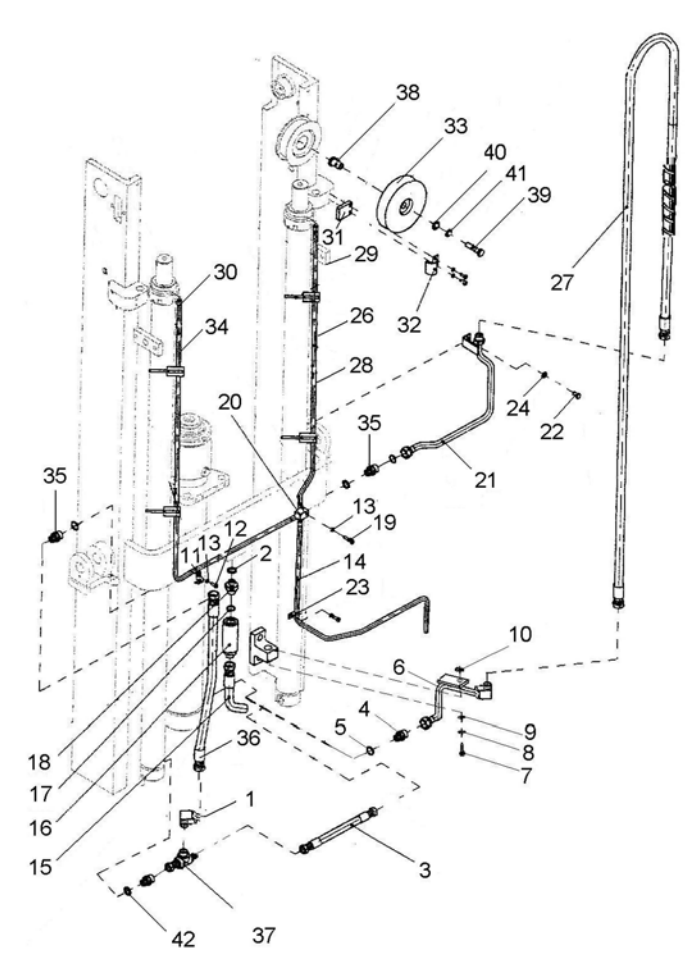


Item	Part NO.	Description	Qty	Remarks or Serial NO.
27	See Optional Parts List 19	Oil pipe assy	1	2t-2.5t
-	See Optional Parts List 19	Oil pipe assy	1	3t
-	See Optional Parts List 19	Oil pipe assy	1	3.5t
28	See Optional Parts List 19	Return oil pipe	1	2t-3t
-	See Optional Parts List 19	Return oil pipe	1	3.5t
29	66002371	sheath	1	L=40
30	66002432	hose clamp	5	
31	66002376	Block	1	
32	66002375	Clip	1	
33	66002442	Pulley wheel	1	
34	See Optional Parts List 19	Return oil pipe	1	2t-3t
-	See Optional Parts List 19	Return oil pipe	1	3.5t
35	66002560	Nipple	2	
36	66001711	Oil pipe assy	1	
37	66002167	Tee connector	1	

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Fig.28 Mast piping

2t-3.5t TRIPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
38	66002443	Shaft sleeve	1	
39	66001208	Bolt M12×50	1	
40	66000067	Washer 12	1	
41	66000165	Washer 12	1	
42	66000094	O-ring 24×2.4	1	

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<Optional Parts List 19> (2t-2.5t)

Item No.	27	28		34	
Lift Height	Part NO.	Part NO.		Part NO.	
4000	66002387	66001389	φ8×φ11×710	66001390	φ8×φ11×1180
4300	66002366	66001399	φ8×φ11×810	66001400	φ8×φ11×1280
4500	66002374	66001712	φ8×φ11×880	66001713	φ8×φ11×1350
4800	66002380	66001420	φ8×φ11×980	66001421	φ8×φ11×1450
5000	66002399	66001430	φ8×φ11×1045	66001431	φ8×φ11×1515
5500	66002394	66001440	φ8×φ11×1210	66001441	φ8×φ11×1680
6000	66002413	66001450	φ8×φ11×1425	66001451	φ8×φ11×1895
6500	66002406	66001460	φ8×φ11×1605	66001461	φ8×φ11×2075
7000	66002420	66001470	φ8×φ11×1810	66001471	φ8×φ11×2280

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<Optional Parts List 19> (3t)

Item No.	27	28		34	
Lift Height	Part NO.	Part NO.		Part NO.	
4000	66002573	66001687	φ8×φ11×710	66001688	φ8×φ11×1180
4300	66002554	66001696	φ8×φ11×810	66001697	φ8×φ11×1280
4500	66002562	66001712	φ8×φ11×880	66001713	φ8×φ11×1350
4800	66002566	66001727	φ8×φ11×980	66001728	φ8×φ11×1450
5000	66002587	66001736	φ8×φ11×1045	66001737	φ8×φ11×1515
5500	66002580	66001745	φ8×φ11×1210	66001746	φ8×φ11×1680
6000	66002601	66001756	φ8×φ11×1375	66001757	φ8×φ11×1845
6500	66002594	66001765	φ8×φ11×1605	66001766	φ8×φ11×2075
7000	66002608	66001774	φ8×φ11×1810	66001775	φ8×φ11×2280

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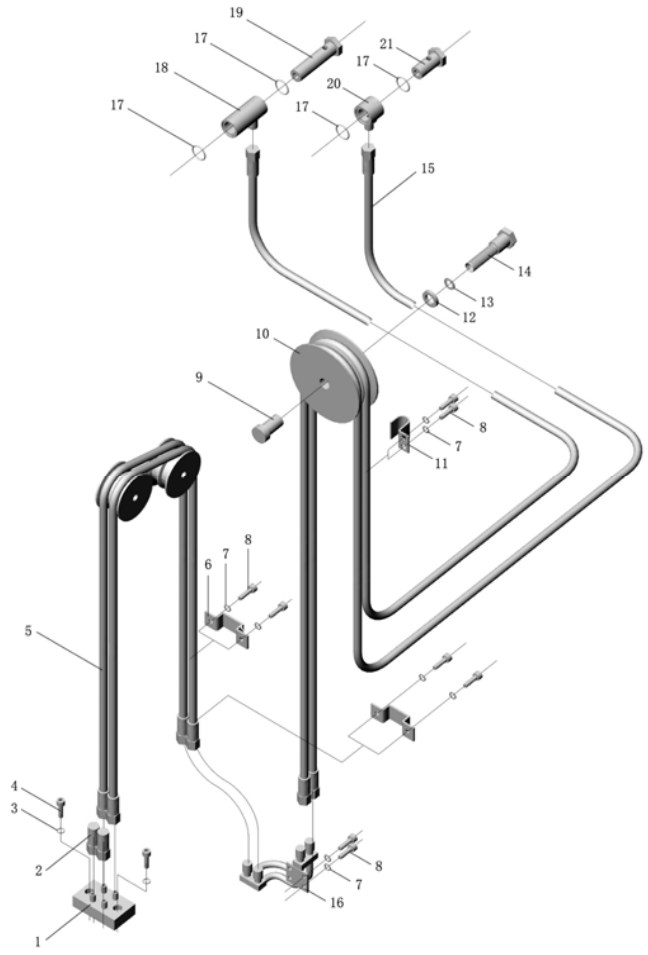
<Optional Parts List 19> (3.5t)

Item No.	27	28		34	
Lift Height	Part NO.	Part NO.		Part NO.	
4000	66002484	66001984	φ8×φ11×760	66001985	φ8×φ11×1230
4300	66002460	66001992	φ8×φ11×860	66001993	φ8×φ11×1330
4500	66002470	66002003	φ8×φ11×930	66002004	φ8×φ11×1400
4800	66002477	66002014	φ8×φ11×1030	66002015	φ8×φ11×1500
5000	66002498	66002022	φ8×φ11×1095	66002023	φ8×φ11×1565
5500	66002491	66002030	φ8×φ11×1260	66002031	φ8×φ11×1730
6000	66002513	66002039	φ8×φ11×1425	66002040	φ8×φ11×1895
6500	66002506	66002047	φ8×φ11×1705	66002048	φ8×φ11×2125
7000	66002520	66002055	φ8×φ11×1875	66002056	φ8×φ11×2295

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Fig.29 Side shifter piping

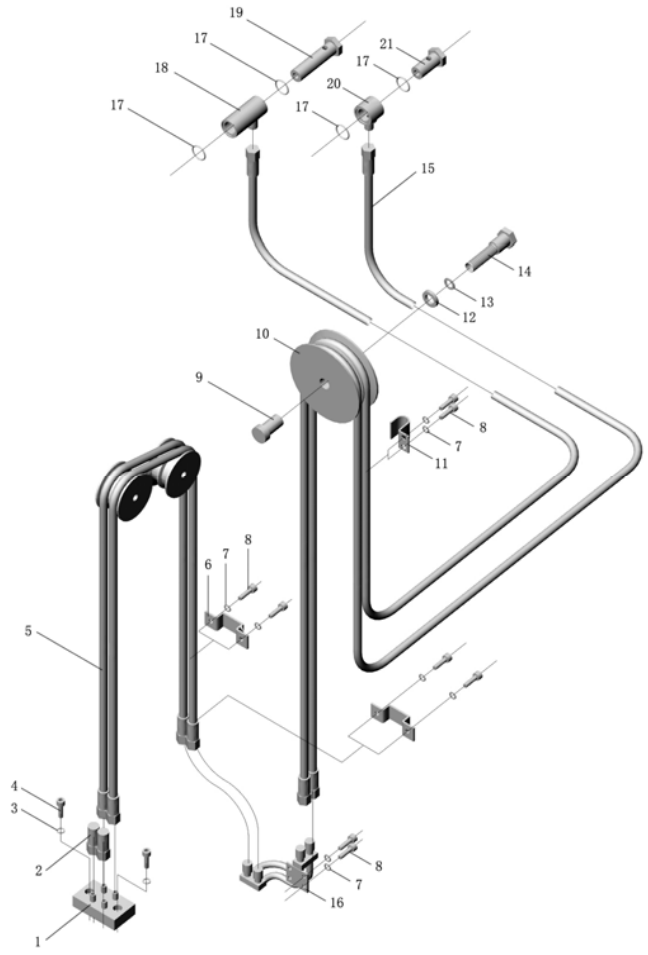
2t-3.5t TRIPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
1	66001134	Connector seat	1	
2	66001242	Hose connector	2	2t-2.5t
-	66001243	Hose connector	2	3t-3.5t
3	66000065	Washer 8	2	
4	66001168	Bolt M8×25	2	
5	See Optional Parts List 20	Oil pipe assy	2	2t-3t 4.5m
-	See Optional Parts List 20	Oil pipe assy	2	3.5t 4.5m
6	66002349	Clip	2	
7	66000064	Washer 6	10	
8	66001167	Bolt M6×12	10	
9	66002443	Shaft sleeve	1	
10	66001109	Pulley whee	1	
11	66001108	Clip	1	
12	66000165	Washer 12	1	
13	66000067	Washer 12	1	

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Fig.29 Side shifter piping	2t-3.5t TRIPLEX MAST



Item	Part NO.	Description	Qty	Remarks or Serial NO.
14	66001207	Bolt M12×50	1	
15	See Optional Parts List 20	Oil pipe assy	1	2t-3t 4.5m
-	See Optional Parts List 20	Oil pipe assy	1	3.5t 4.5m
16	66001110	Connector seat	1	
17	66001190	O-ring 26×2.4	4	
18	66001105	Connector	1	
19	66002529	Hinge bolt	1	
20	66001104	Connector	1	
21	66002530	Hinge bolt	1	

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<Optional Parts List 20> (2t-3.5t)

Item No.	5(2t-2.5t)	5(3t)
Lift Height	Part NO.	Part NO.
4300	66001233	66001232
4500	66001234	66001234
4800	66001235	66001235
5000	66001236	66001236
5500	66001238	66001237
6000	66001240	66001239
6500	66001241	66001241

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Item No.	5(3.5t)	15(2t-2.5t)
Lift Height	Part NO.	Part NO.
4300	66001232	66001244
4500	66001233	66001246
4800	66001235	66001247
5000	66001236	66001248
5500	66001237	66001251
6000	66001239	66001252
6500	66001241	66001253

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Item No.	15(3t)	153.5t)
Lift Height	Part NO.	Part NO.
4300	66001244	66001246
4500	66001246	66001247
4800	66001247	66001248
5000	66001248	66001249
5500	66001250	66001252
6000	66001252	66001253
6500	66001254	66001255

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PARTS CATALOG

UTILEV

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PREFACE

1.This parts catalog is the 1st edition of 4TNE92-HRJ for Jingjiang Ltd.

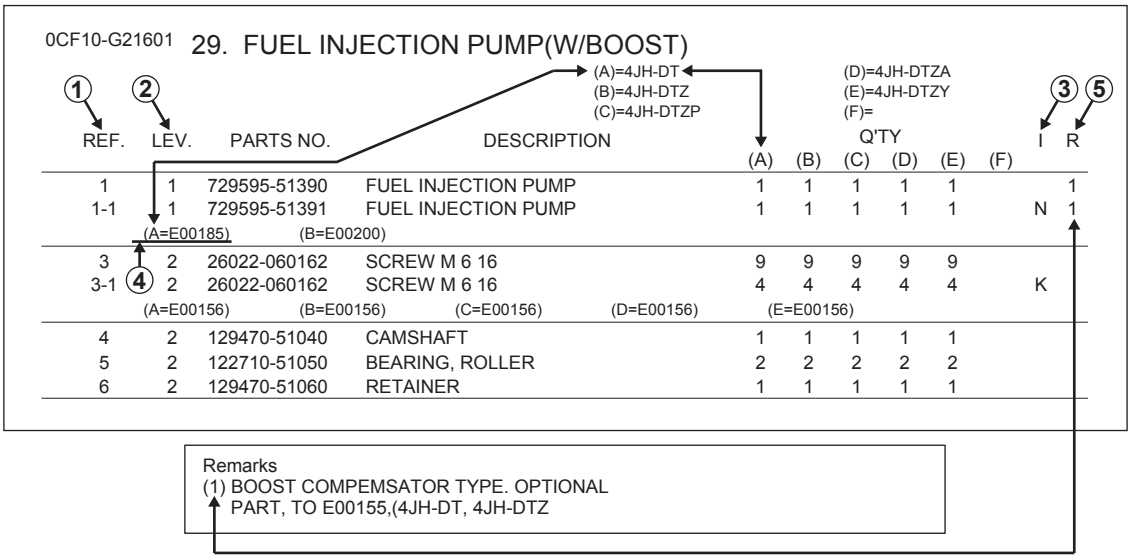
Pub.No. : 000Y00W1650

Published : March,2007

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Directions for the Parts Catalog.

1.The parts stipulated in this Parts Catalog are not necessarily standard equipped parts.
2.Parts may change without prior notice.
3.The following is an eample of the Parts Catalog format.



①Ref. No.

The Ref. No. listed may not be in accordance with the illustration Ref. No.

(E.) Illustration No. List Ref No.

1 1 (Before change) → 1- 1 (After change)

For interchangeable symbols N, R and K, illustrations for new parts may be abbreviated.

②Lev. (Level)

Level indication

The numbers below indicate the level of relativity towards the main part.

1 ----- Main parts (Assembly parts)
2 ----- Sub component included in ” 1 ”.
3 ----- Sub component included in ” 2 “.

Note) Parts that are not for sale are partially illustrated but not listed.

③Interchangeability Mark

When a part change takes place, one of the following interchangeability symbols is indicated beside the part.

Symbol	Interchangeability	Contents note
N	Old ⟵ Yes / ⟶ No New	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old ⟵ No / ⟶ Yes New	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old ⟵ Yes / ⟶ Yes New	New/ Old Parts are both interchangeable.
S	Old ⟵ No / ⟶ No New	New/ Old Parts are both not interchangeable.
W		Part newly added.
Z		Part discontinued.
F		Not interchangeable by a single part but interchangeable together with related parts.
K		Changes only for used parts quantities.

④Effective Machine No.

When a part changes, the effective Machine No. will be indicated in the (A)-(F) column.

Product Symbol	Product No.	Product Symbol	Product No.
C	Clutch No. Compressor No.	F	Machine No. (Agricultural Equip.)
D	Drive No.	M	Machine No.
E	Engine No.		

Note 1) A date may follow the symbol. (E.) 1996.01
Note 2) ” ” and ” ZZZZZ ” are for parts that could not be predicted or for engine models that could not be identified.
Note 3) (A=E00185) is the E (Engine Serial Number) for the column (A) model (in this case 4JH-DT) after the parts design change.

⑤Remarks Mark

Figures or alphabets (symbols) are entered in the remarks column.

The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

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CONTENTS

MODEL : 4TNE92-HRJ(JINGJIANG
PC NO : 0CW10-G16500

Fig.No. GROUP NAME

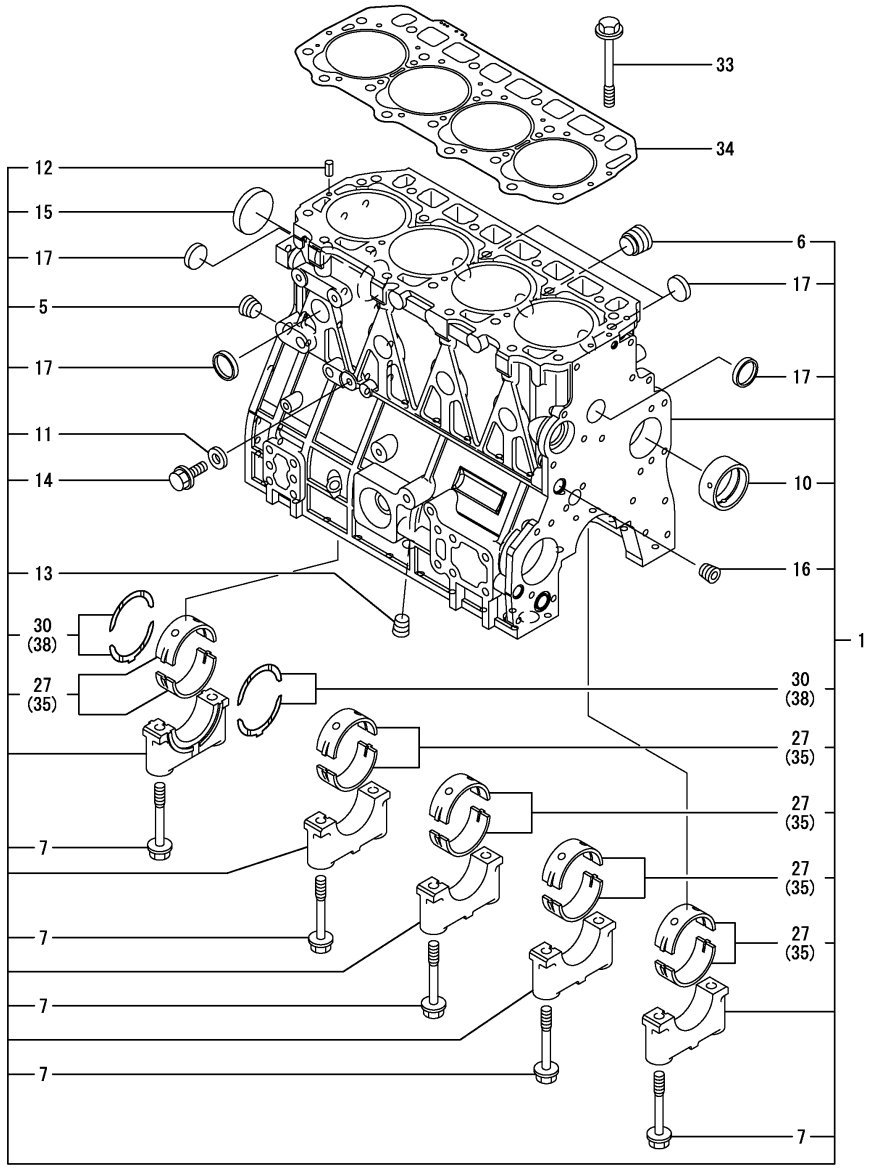
4TNE92-HRJ

1. CYLINDER BLOCK
2. GEAR HOUSING
3. FLYWHEEL HOUSING & OIL SUMP
4. CYLINDER HEAD & BONNET
5. SUCTION & EHAUST MANIFOLD
6. CAMSHAFT & DRIVING GEAR
7. CRANKSHAFT & PISTON
8. LUB.OIL SYSTEM
9. COOLING WATER SYSTEM
10. FUEL INJECTION PUMP
11. FUEL INJECTION VALVE
12. FUEL FILTER
13. STARTING MOTOR
16. (13A)STARTING MOTOR
14. GENERATOR
18. (14A)GENERATOR
15. GASKET SET
17. SHORT BLOCK

Fig.No. GROUP NAME

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Fig.1. CYLINDER BLOCK



Remarks
(1) UNDER-SIZED(U.S=0.25)PART.
(2) OVER-SIZED(O.S=0.25)PART.
(3) REPAIR PART.

1. CYLINDER BLOCK

(A)=4TNE92-HRJ (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	76000002	BLOCK ASSY, CYLINDER	1							
5	2	76000003	PLUG PT3/8,SCREW	1							
6	2	76000004	PLUG, NPTF1	1							
7	2	76000005	BOLT, METAL CAP	10							
10	2	76000006	BUSH, CAMSHAFT	1							
11	2	76000007	SEAL WASHER 8S	1							
12	2	76000008	SPRING PIN 612	2							
13	2	76000003	PLUG PT3/8,SCREW	1							
14	2	76000009	BOLT M 8 12 PLATED	1							
15	2	76000010	PLUG, 55	1							
16	2	76000003	PLUG PT3/8,SCREW	1							
17	2	76000011	PLUG 30	8							
27	2	76000309	BEARING ASSY, MAIN	5							3
30	2	76000313	BEARING ASSY, THRUST	2							
33	1	76000012	BOLT, CYLINDER HEAD	18							
34	1	76000253	GASKET, HEAD	1							
35	1	76000310	MAIN BEARING US=0.25	5							1
38	1	76000314	BEARING,THRUST .25OS	2							2

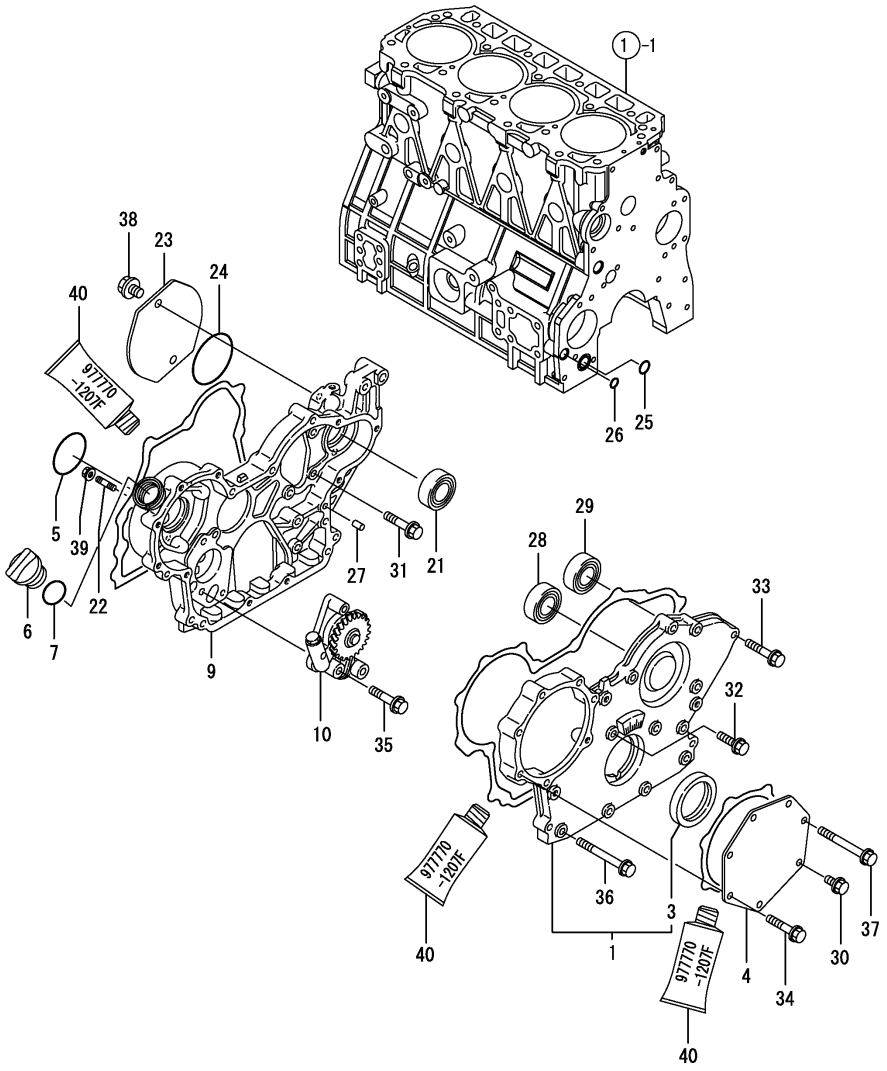
N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\leftrightarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\leftrightarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.2. GEAR HOUSING

2. GEAR HOUSING



(A)=4TNE92-HRJ (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	76000014	COVER ASSY,GEAR CASE	1							
3	2	76000015	SEAL, OIL	1							
4	1	76000016	COVER, TIMING	1							
5	1	76000017	O-RING 1A S-50.0	1							
6	1	76000018	COVER, FILLER	1							
7	1	76000019	O-RING 1A P-32.0	1							
9	1	76000240	HOUSING, GEAR	1							
10	1	76000020	PUMP ASSY, LUB.OIL	1							
21	1	76000277	BALL BEARING	1							
22	1	76000296	STUD M 8 30 PLATED	3							
23	1	76000202	COVER, PUMP	1							
24	1	76000292	O-RING 1A G-85.0	1							
25	1	76000021	O-RING, P20	1							
26	1	76000022	O-RING, P14	1							
27	1	76000013	PIN, PARALLEL	4							
28	1	76000272	BALL BEARING	1							
29	1	76000277	BALL BEARING	1							
30	1	76000023	BOLT M 8 16 PLATED	1							
31	1	76000024	BOLT M 8 20 PLATED	3							
32	1	76000025	BOLT M 8 30 PLATED	1							
33	1	76000026	BOLT M 8 40 PLATED	5							
34	1	76000026	BOLT M 8 40 PLATED	5							
35	1	76000027	BOLT M 8 45 PLATED	3							
36	1	76000028	BOLT M 8 70 PLATED	6							
37	1	76000028	BOLT M 8 70 PLATED	1							
38	1	76000293	BOLT M10 12 PLATED	2							
39	1	76000257	NUT, M8	3							
40	1	76000290	GASKET.LIQUID	1							1

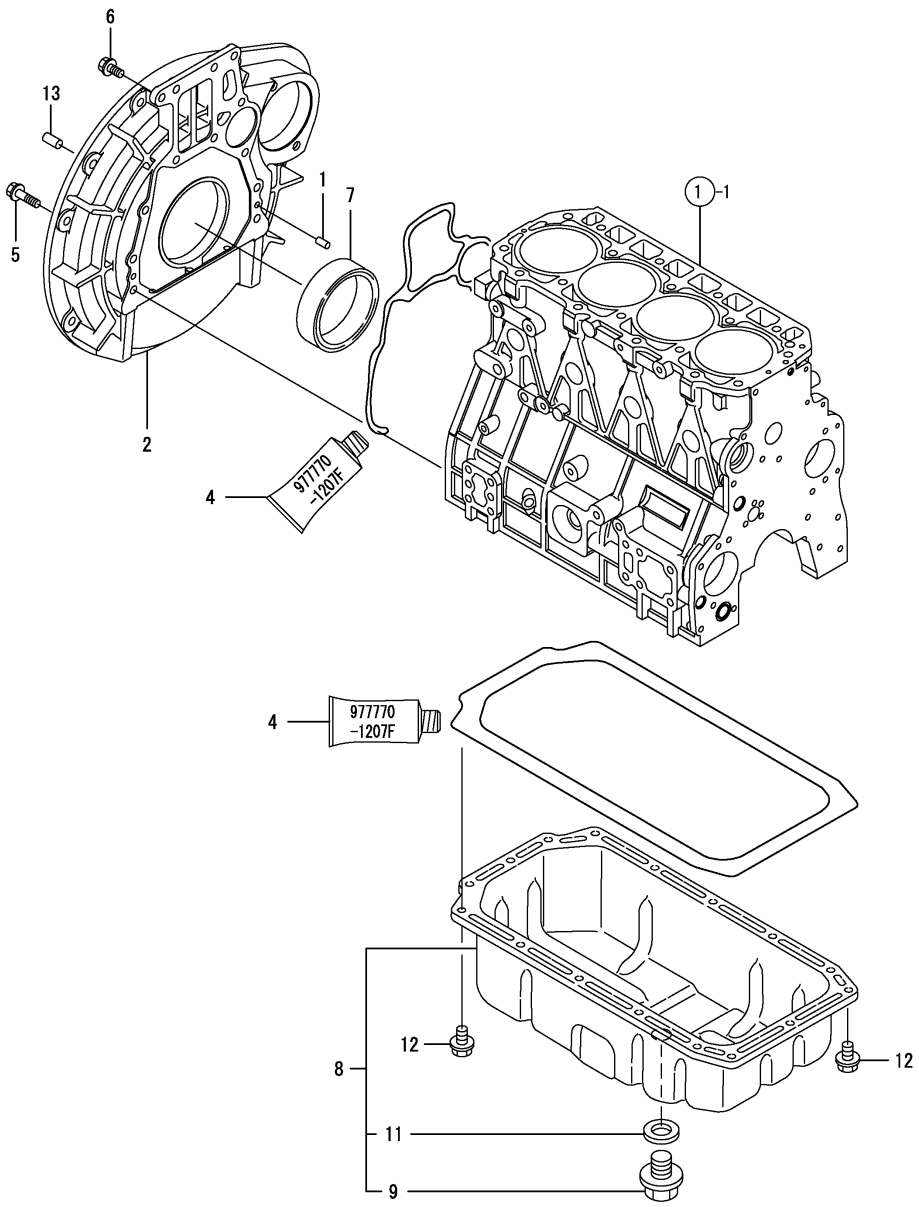
Remarks
(1) OPTIONAL PART.

N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\leftrightarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\leftrightarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.3. FLYWHEEL HOUSING & OIL SUMP



Remarks
(1) OPTIONAL PART.

3. FLYWHEEL HOUSING & OIL SUMP

(A)=4TNE92-HRJ (D)=
(B)= (E)=
(C)= (F)=

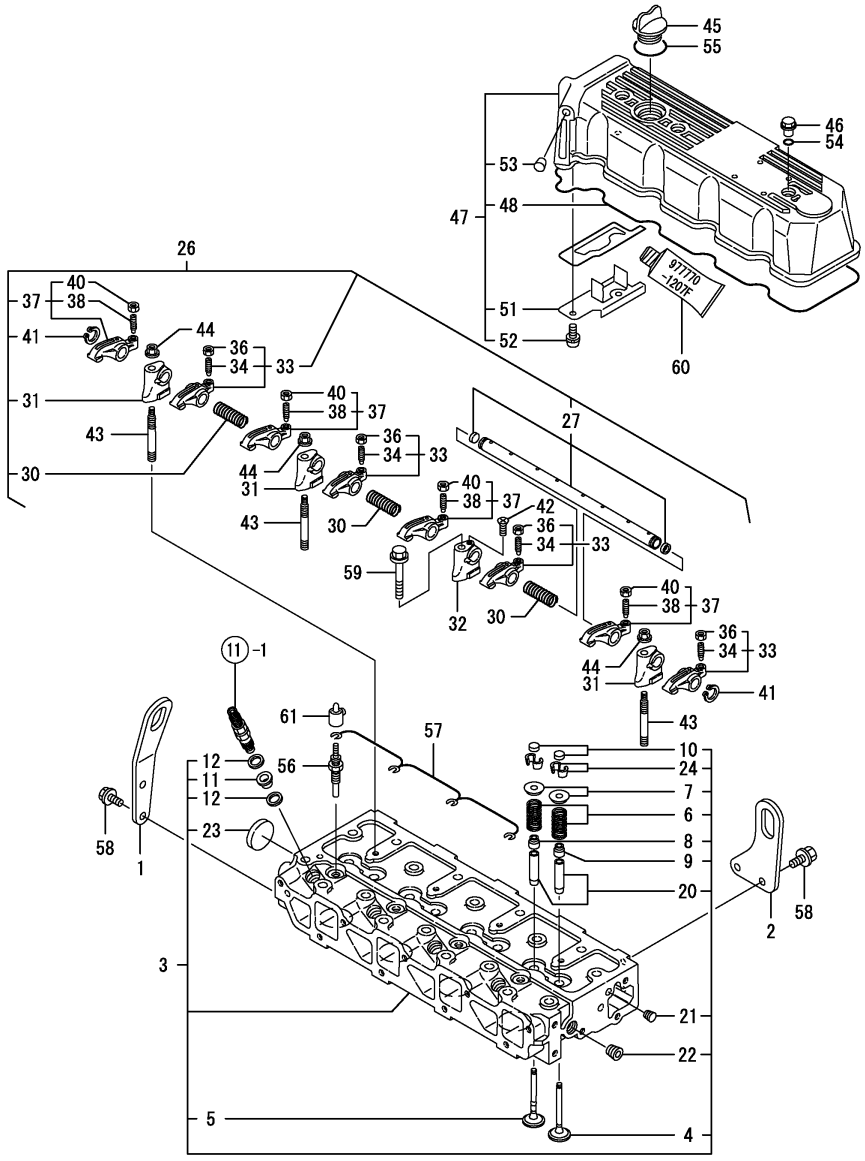
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	76000013	PIN, PARALLEL	2							
2	1	76000232	HOUSING, FLYWHEEL	1							
4	1	76000290	GASKET.LIQUID	1							1
5	1	76000295	BOLT M10 35 PLATED	9							
6	1	76000247	BOLT M1020	4							
7	1	76000196	SEAL,OIL D115/95T11	1							
8	1	76000237	SUMP ASSY, LUB.OIL	1							
9	2	76000029	DRAIN PLUG M22	1							
11	2	76000030	WASHER, 22	1							
12	1	76000009	BOLT M 8 12 PLATED	16							
13	1	76000244	PARALLEL PIN, M1220	2							

N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\leftrightarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\leftrightarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.4. CYLINDER HEAD & BONNET



Remarks
(1) REPAIR PART.
(2) OPTIONAL PART.

4. CYLINDER HEAD & BONNET

(A)=4TNE92-HRJ (D)=
(B)= (E)=
(C)= (F)=

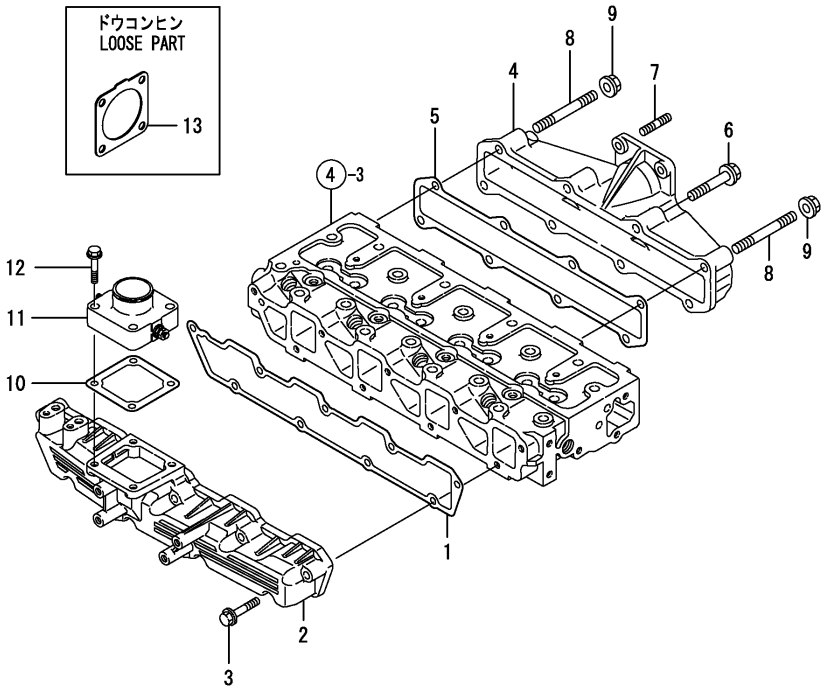
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	76000287	LIFTER, ENGINE	1							
2	1	76000031	LIFTER, ENGINE	1							
3	1	76000032	HEAD ASSY, CYLINDER	1							
4	2	76000033	VALVE, INTAKE	4							
5	2	76000034	VALVE, EHAUST	4							
6	2	76000035	SPRING, VALVE	8							
7	2	76000036	RETAINER, SPRING	8							
8	2	76000037	SEAL, VALVE STEM	4							
9	2	76000038	SEAL, VALVE STEM	4							
10	2	76000039	CAP, VALVE	8							
11	2	76000040	PROTECTOR, NOZZLE	4							
12	2	76000041	GASKET, NOZZLE	8							
20	2	76000042	GUIDE, EHAUST VALVE	8							1
21	2	76000043	PLUG, PT1/16	1							
22	2	76000003	PLUG PT3/8,SCREW	1							
23	2	76000044	PLUG 40	1							
24	2	76000045	COTTER, 8	8							
26	1	76000046	SUPPORT ASSY, ARM	1							
27	2	76000047	SHAFT ASSY, ROCKER	1							
30	2	76000048	SPRING, SHAFT	3							
31	2	76000049	SUPPORT, ARM A	3							
32	2	76000050	SUPPORT, ARM B	1							
33	2	76000051	ARM KIT, ROCKER	4							
34	3	76000052	SCREW, VALVE ADJUST	4							
36	3	76000053	NUT, M8	4							
37	2	76000054	ARM KIT, ROCKER	4							
38	3	76000052	SCREW, VALVE ADJUST	4							
40	3	76000053	NUT, M8	4							
41	2	76000055	CIRCLIP 18	2							
42	2	76000056	SCREW M 4 16	1							
43	1	76000057	STUD, SUPPORT	3							
44	1	76000058	NUT, M10	3							
45	1	76000018	COVER, FILLER	1							
46	1	76000060	KNOB	3							
47	1	76000061	BONNET ASSY, HEAD	1							
48	2	76000062	GASKET, BONNET	1							
51	2	76000063	PLATE, BAFFLE	1							
52	2	76000064	SCREW, M510	2							
53	2	76000065	PLUG, 88	1							
54	1	76000066	O-RING 1A P-12.0	3							
55	1	76000019	O-RING 1A P-32.0	1							
56	1	76000067	PLUG, GLOW	4							
57	1	76000279	CONNECTOR, GLOW PLUG	1							
58	1	76000023	BOLT M 8 16 PLATED	4							
59	1	76000068	BOLT M10 65 PLATED	1							
60	1	76000290	GASKET.LIQUID	1							2
61	1	76000070	COVER, GLOW PLUG	4							

N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\rightleftarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\rightleftarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\rightleftarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\rightleftarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.5. SUCTION & EHAUST MANIFOLD



5. SUCTION & EHAUST MANIFOLD

(A)=4TNE92-HRJ (D)=
(B)= (E)=
(C)= (F)=

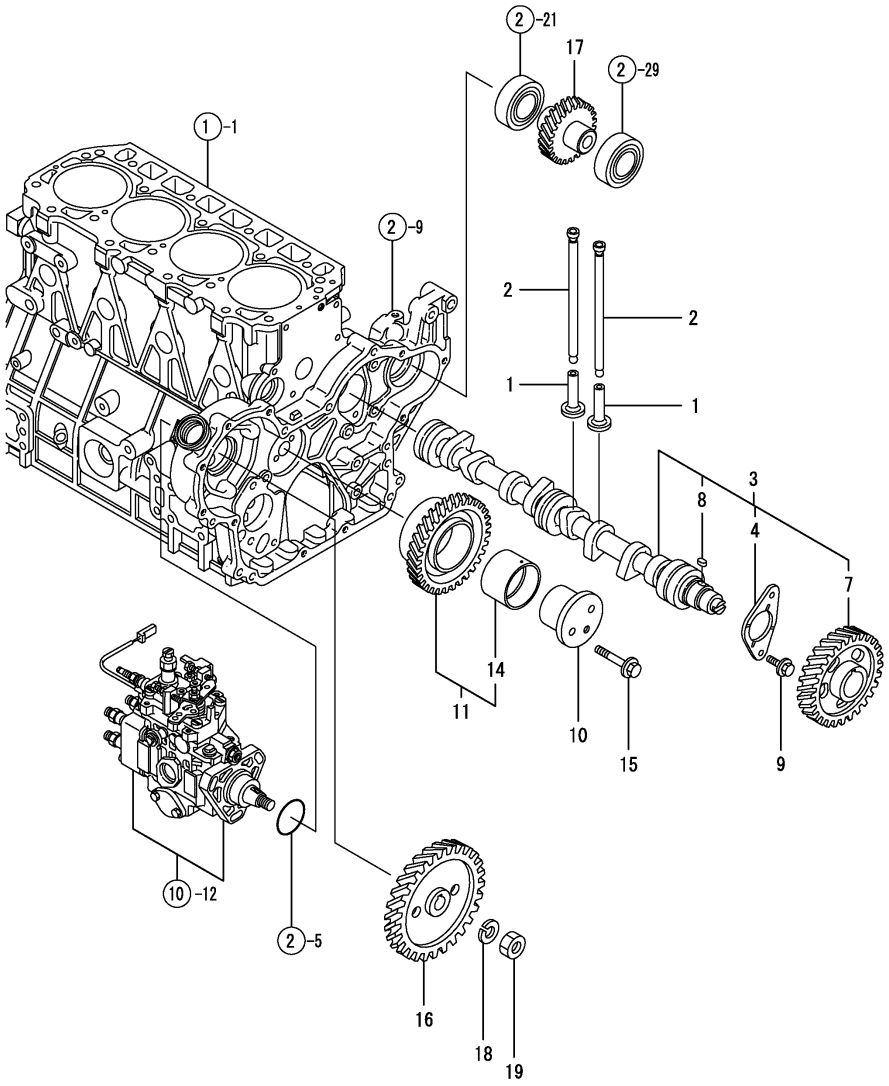
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	76000059	GASKET, MANIFOLD	1							
2	1	76000069	MANIFOLD, AIR INTAKE	1							
3	1	76000027	BOLT M 8 45 PLATED	9							
4	1	76000213	MANIFOLD, EHAUST	1							
5	1	76000214	GASKET, MANIFOLD	1							
6	1	76000198	BOLT, M845	6							
7	1	76000071	STUD, M822	4							
8	1	76000199	STUD, M845	2							
9	1	76000257	NUT, M8	2							
10	1	76000072	GASKET, HEATER	1							
11	1	76000235	HEATER, AIR	1							
12	1	76000246	BOLT M 8 35 PLATED	4							
13	1	76000256	GASKET, SILENCER	1							

N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\rightleftarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\rightleftarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\rightleftarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\rightleftarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.6. CAMSHAFT & DRIVING GEAR



Remarks
(1) REPAIR PART.

6. CAMSHAFT & DRIVING GEAR

(A)=4TNE92-HRJ (D)=
(B)= (E)=
(C)= (F)=

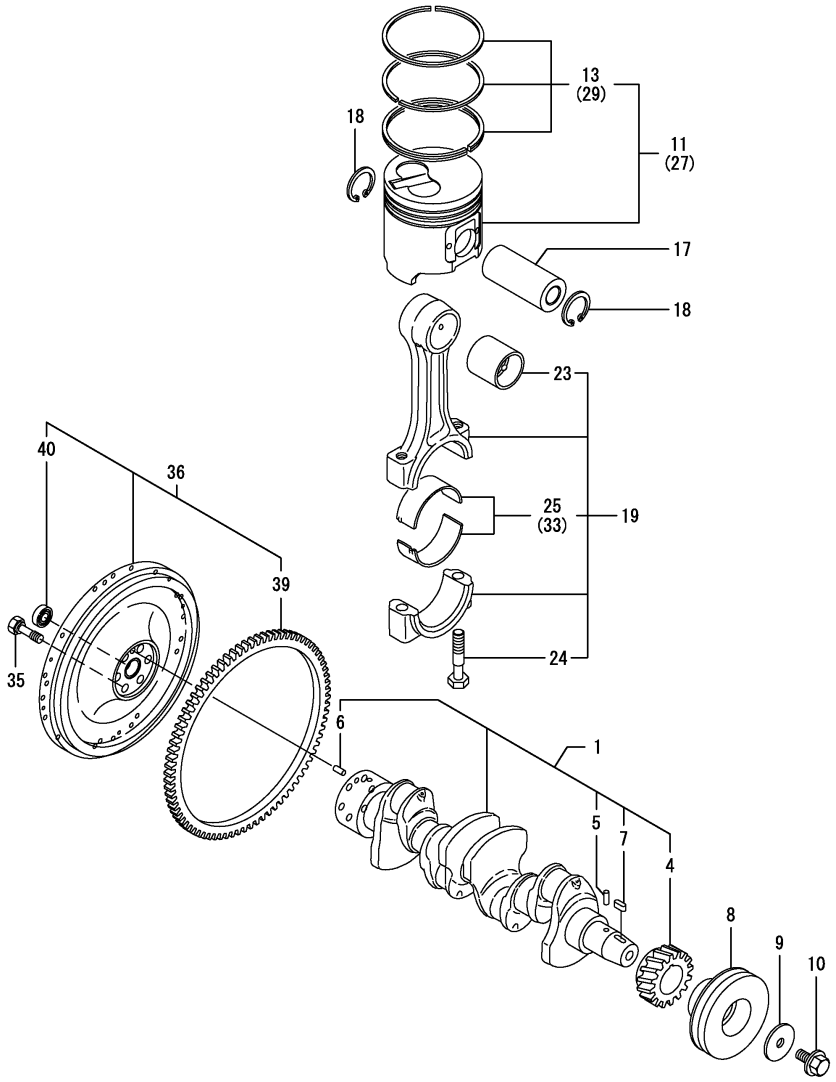
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	76000074	TAPPET	8							
2	1	76000075	ROD, PUSH	8							
3	1	76000273	CAMSHAFT ASSY	1							
4	2	76000076	METAL, THRUST	1							
7	2	76000271	GEAR, CAMSHAFT	1							
8	2	76000077	KEY, 714	1							
9	1	76000073	BOLT 8 14 PLATED	2							
10	1	76000078	SHAFT, IDLER	1							
11	1	76000276	GEAR ASSY, IDLE	1							
14	2	76000079	BUSH, IDLE GEAR	1							1
15	1	76000080	BOLT M 8 55 PLATED	2							
16	1	76000081	GEAR, FI-P	1							
17	1	76000215	GEAR ASSY, PUMP	1							
18	1	76000082	SPRING WASHER 14	1							
19	1	76000083	LOCK NUT M14 PLATED	1							

N:Old ◂Yes/No▸ New, Q:Old ◂No/Yes▸ New, R:Old ◂Yes/Yes▸ New, S:Old ◂No/No▸ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.7. CRANKSHAFT & PISTON



Remarks
(1) REPAIR PART.
(2) OVER-SIZE(O.S=0.25)PART.
(3) UNDER-SIZE(U.S=0.25)PART.

7. CRANKSHAFT & PISTON

(A)=4TNE92-HRJ (D)=
(B)= (E)=
(C)= (F)=

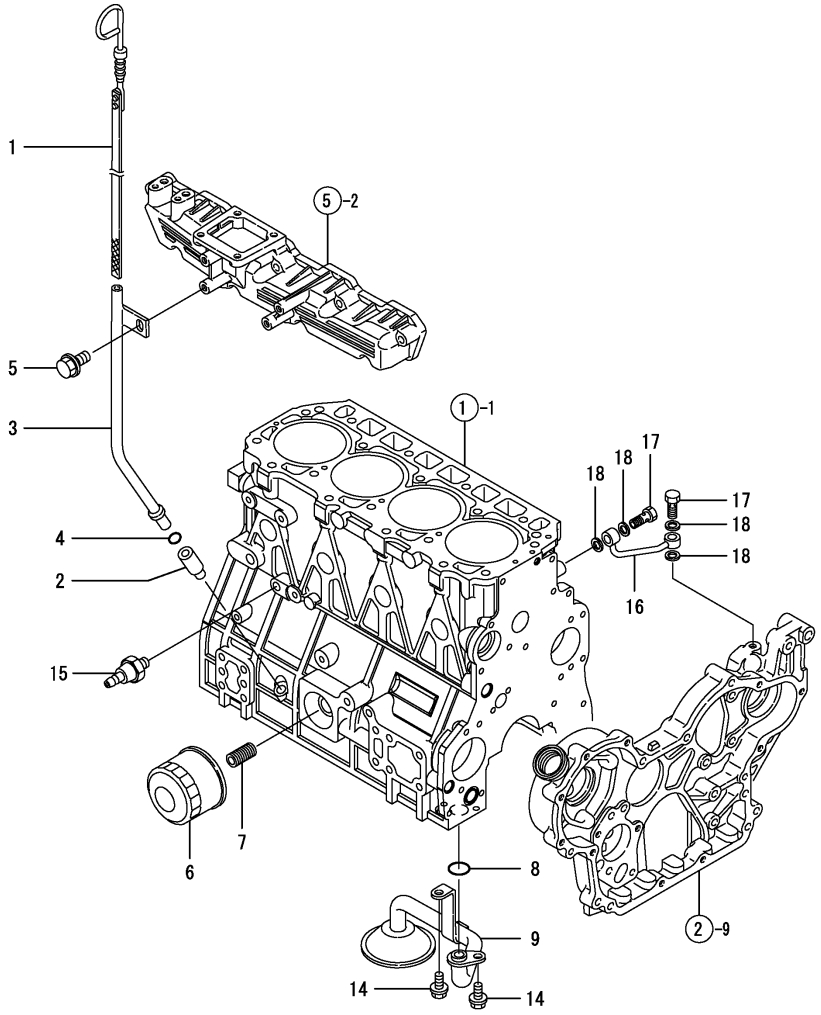
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	76000274	CRANKSHAFT ASSY	1							
4	2	76000275	GEAR, CRANKSHAFT	1							
5	2	76000084	PIN	1							
6	2	76000085	PARALLEL PIN, M1022	1							
7	2	76000077	KEY, 714	1							
8	1	76000234	V-PULLEY, CRANKSHAFT	1							
9	1	76000086	WASHER	1							
10	1	76000087	BOLT, V-PULLEY	1							
11	1	76000089	PISTON W/RING	4							
13	2	76000090	RING SET	4							
17	1	76000091	PIN, PISTON	4							
18	1	76000092	CIRCLIP 30	8							
19	1	76000093	ROD ASSY, CONNECTING	4							
23	2	76000094	METAL, PISTON PIN	4							1
24	2	76000095	BOLT, CONNECTING ROD	8							
25	2	76000311	METAL ASSY,CRANK PIN	4							
27	1	76000096	PISTON W/RING .25OS	4							2
29	2	76000097	RING SET O.S=0.25	4							2
33	1	76000312	BEARING,PIN U.S=0.25	4							3
35	1	76000088	BOLT, FLYWHEEL	6							
36	1	76000233	FLYWHEEL ASSY	1							
39	2	76000262	GEAR, RING	1							
40	2	76000288	BALL BEARING	1							

N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\rightleftarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\rightleftarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\rightleftarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\rightleftarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.8. LUB.OIL SYSTEM



8. LUB.OIL SYSTEM

(A)=4TNE92-HRJ (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	76000098	DIPSTICK, LUB.OIL	1							
2	1	76000099	GUIDE, DIPSTICK	1							
3	1	76000100	GUIDE, DIPSTICK	1							
4	1	76000101	O-RING 1A P-10A	1							
5	1	76000023	BOLT M 8 16 PLATED	1							
6	1	76000261	FILTER 8080L	1							1
7	1	76000102	STUD, FILTER	1							
8	1	76000021	O-RING, P20	1							
9	1	76000238	PIPE ASSY, OIL INLET	1							
14	1	76000009	BOLT M 8 12 PLATED	2							
15	1	76000103	SWITCH, OIL PRESSURE	1							
16	1	76000289	PIPE, LUB.OIL	1							
17	1	76000268	BOLT, PIPE JOINT	2							
18	1	76000007	SEAL WASHER 8S	4							

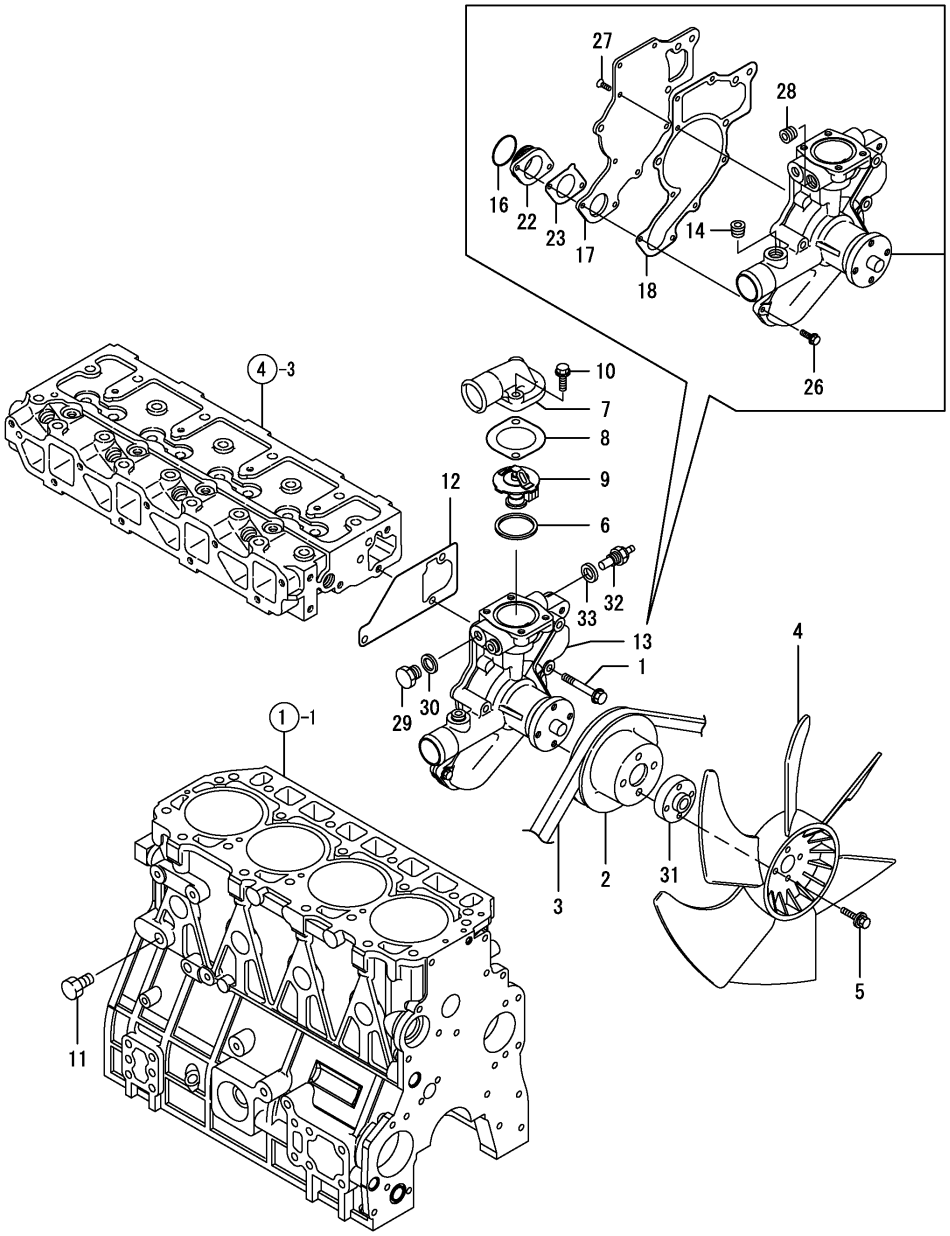
Remarks
(1) REPAIR PART.

N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\leftrightarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\leftrightarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.9. COOLING WATER SYSTEM



9. COOLING WATER SYSTEM

(A)=4TNE92-HRJ (D)=
(B)= (E)=
(C)= (F)=

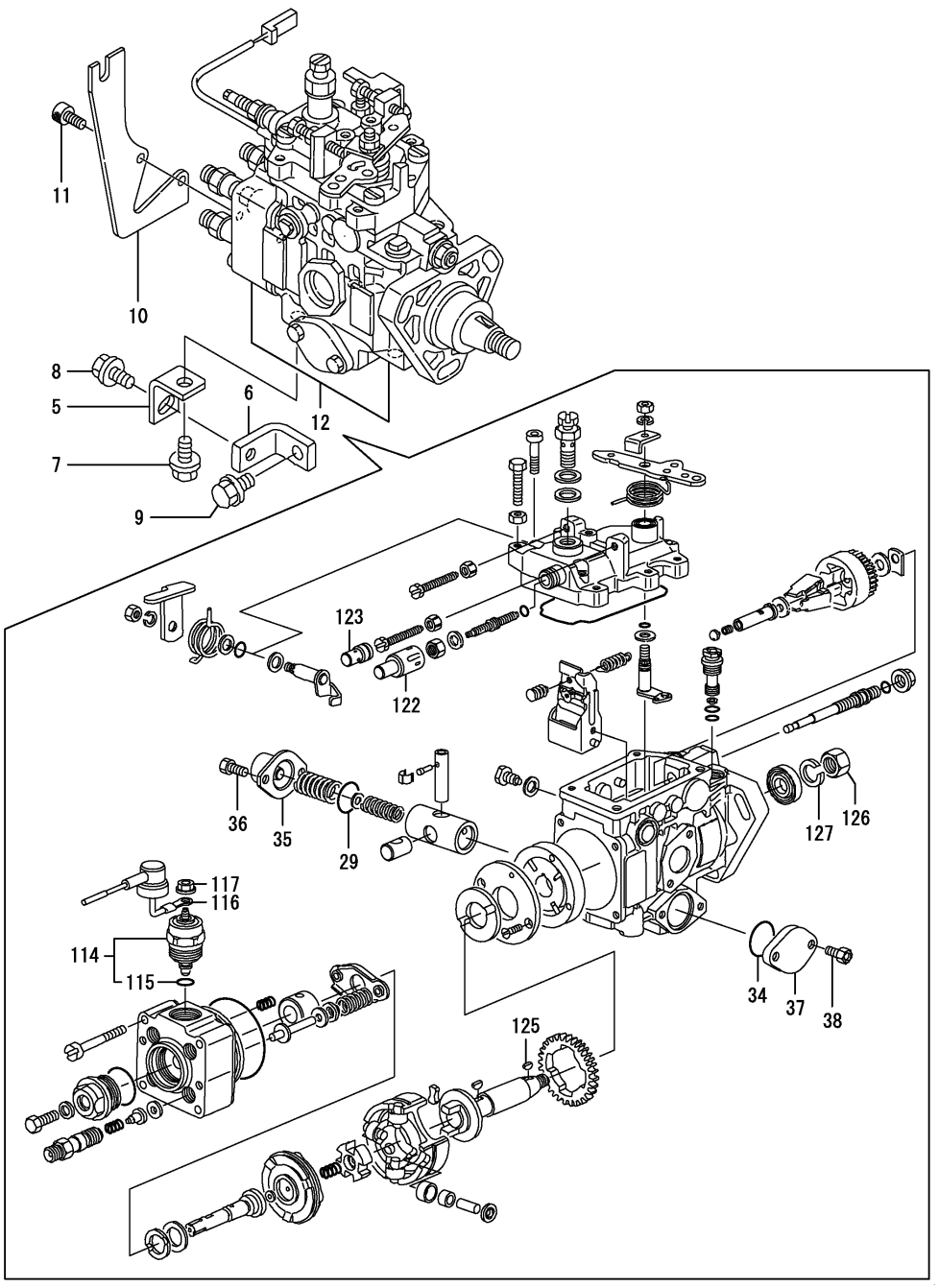
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	76000080	BOLT M 8 55 PLATED	3							
2	1	76000263	V-PULLEY, WATER PUMP	1							
3	1	76000266	V-BELT	1							
4	1	76000236	FAN, COOLING	1							
5	1	76000245	BOLT M 8 35	4							
6	1	76000260	GASKET, THERMOSTAT	1							
7	1	76000104	COVER, THERMOSTAT	1							
8	1	76000259	GASKET, COVER	1							
9	1	76000258	THERMOSTAT	1							
10	1	76000105	BOLT M 8 25 PLATED	2							
11	1	76000106	PLUG, DRAIN	1							
12	1	76000107	GASKET, PUMP	1							
13	1	76000265	PUMP ASSY, WATER	1							
14	2	76000280	PLUG, R03	1							
16	2	76000108	O-RING, P36	1							
17	2	76000109	COVER	1							
18	2	76000110	GASKET	1							
22	2	76000111	FLANGE, OUTLET	1							
23	2	76000112	GASKET, MECHANICAL	1							
26	2	76000115	BOLT M 6 20 PLATED	2							
27	2	76000248	SCREW M 6 14	6							
28	2	76000291	PLUG, PT1/8	1							
29	1	76000113	PLUG M16	1							
30	1	76000114	GASKET, 16	1							
31	1	76000197	SPACER, FAN	1							
32	1	76000203	THERMOMETER	1							
33	1	76000205	GASKET 10	1							

N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\rightleftarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\rightleftarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\rightleftarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\rightleftarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.10. FUEL INJECTION PUMP



10. FUEL INJECTION PUMP

(A)=4TNE92-HRJ (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY (A)	(B)	(C)	(D)	(E)	(F)	I	R
5	1	76000186	RETAINER	1							
6	1	76000187	STAY	1							
7	1	76000188	BOLT M10 14 PLATED	1							
8	1	76000189	BOLT M10 16 PLATED	1							
9	1	76000190	BOLT M10 20 PLATED	1							
10	1	76000184	BRACKET, WIRE	1							
11	1	76000185	BOLT, M625	2							
12	1	76000194	PUMP ASSY, INJECTION	1							
29	2	76000303	O RING	1							
34	2	76000303	O RING	1							
35	2	76000300	COVER	1							
36	2	76000304	BOLT	2							
37	2	76000301	COVER	1							
38	2	76000304	BOLT	2							
114	2	76000192	VALVE	1							
115	3	76000193	O RING	1							
116	2	76000306	WIRE	1							
117	2	76000305	NUT	1							
122	2	76000302	CAP	1							
123	2	76000315	CAP	1							
125	2	76000299	WOODRUFF KEY	1							
126	2	76000297	NUT	1							
127	2	76000298	SPRING WASHER	1							

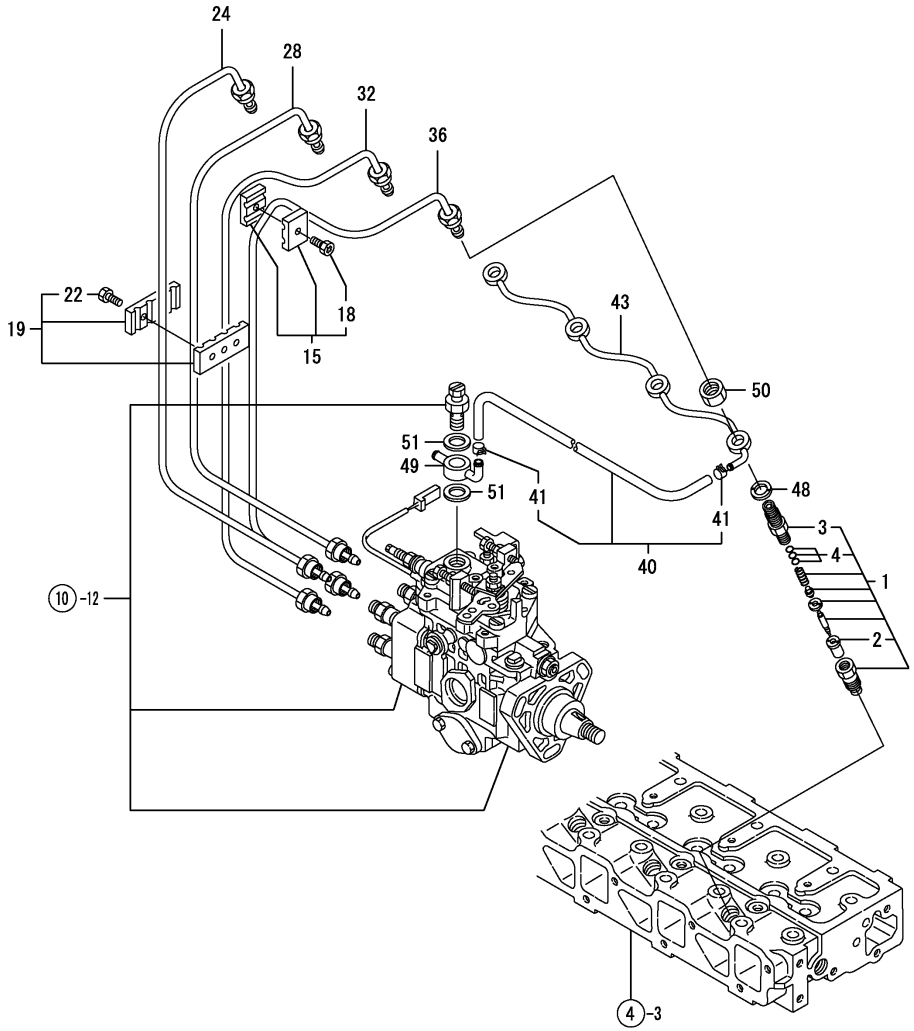
N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\leftrightarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\leftrightarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.11. FUEL INJECTION VALVE

11. FUEL INJECTION VALVE



(A)=4TNE92-HRJ (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	76000116	VALVE ASSY,INJECTION	4							
2	2	76000117	VALVE ASSY,INJECTION	4							
3	2	76000118	HOLDER, NOZZLE	4							
4	2	76000195	SHIM SET, ADJUSTING	3							1
15	1	76000119	RETAINER	2							
18	2	76000120	BOLT M414,HE.SCKT.	2							
19	1	76000121	RETAINER, PIPE	1							
22	2	76000120	BOLT M414,HE.SCKT.	2							
24	1	76000122	PIPE ASSY, INJECTION	1							
28	1	76000123	PIPE ASSY, INJECTION	1							
32	1	76000124	PIPE ASSY, INJECTION	1							
36	1	76000125	PIPE ASSY, INJECTION	1							
40	1	76000126	PIPE ASSY,F.O.RETURN	1							
41	2	76000127	CLIP, HOSE	2							
43	1	76000128	PIPE ASSY, RETURN	1							
48	1	76000129	GASKET, RETURN	4							
49	1	76000278	JOINT, PIPE	1							
50	1	76000130	NUT, NOZZLE RETURN	4							
51	1	76000191	SEAL WASHER 12	2							

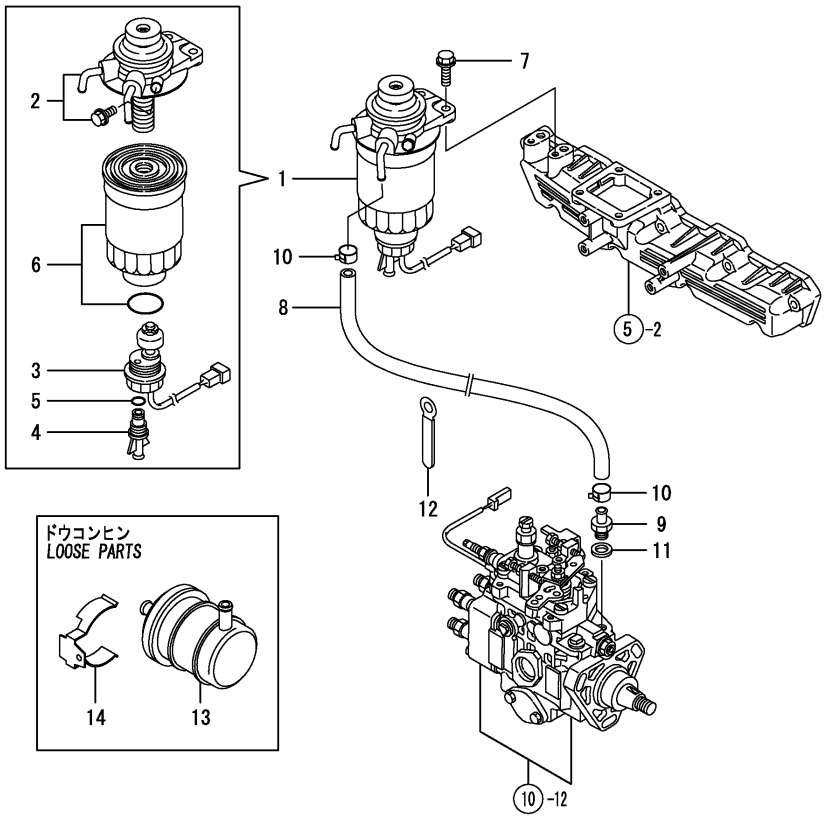
Remarks
(1) REPAIR PART.

N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\rightleftarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\rightleftarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\rightleftarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\rightleftarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.12. FUEL FILTER



12. FUEL FILTER

(A)=4TNE92-HRJ (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	76000281	FILTER ASSY, FUEL	1							
2	2	76000282	BODY, FILTER	1							
3	2	76000283	SENSOR ASSY, LEVEL	1							
4	2	76000284	PLUG, DRAIN	1							
5	2	76000285	O-RING, PLUG	1							
6	2	76000286	ELEMENT KIT, FILTER	1							
7	1	76000105	BOLT M 8 25 PLATED	2							
8	1	76000131	PIPE, FUEL OIL	1							
9	1	76000269	JOINT, PIPE	1							
10	1	76000132	CLAMP 13	2							
11	1	76000191	SEAL WASHER 12	1							
12	1	76000133	CLAMP	2							
13	1	76000001	STRAINER,FUEL OIL(IN	1							
14	1	76000264	CLAMP	1							

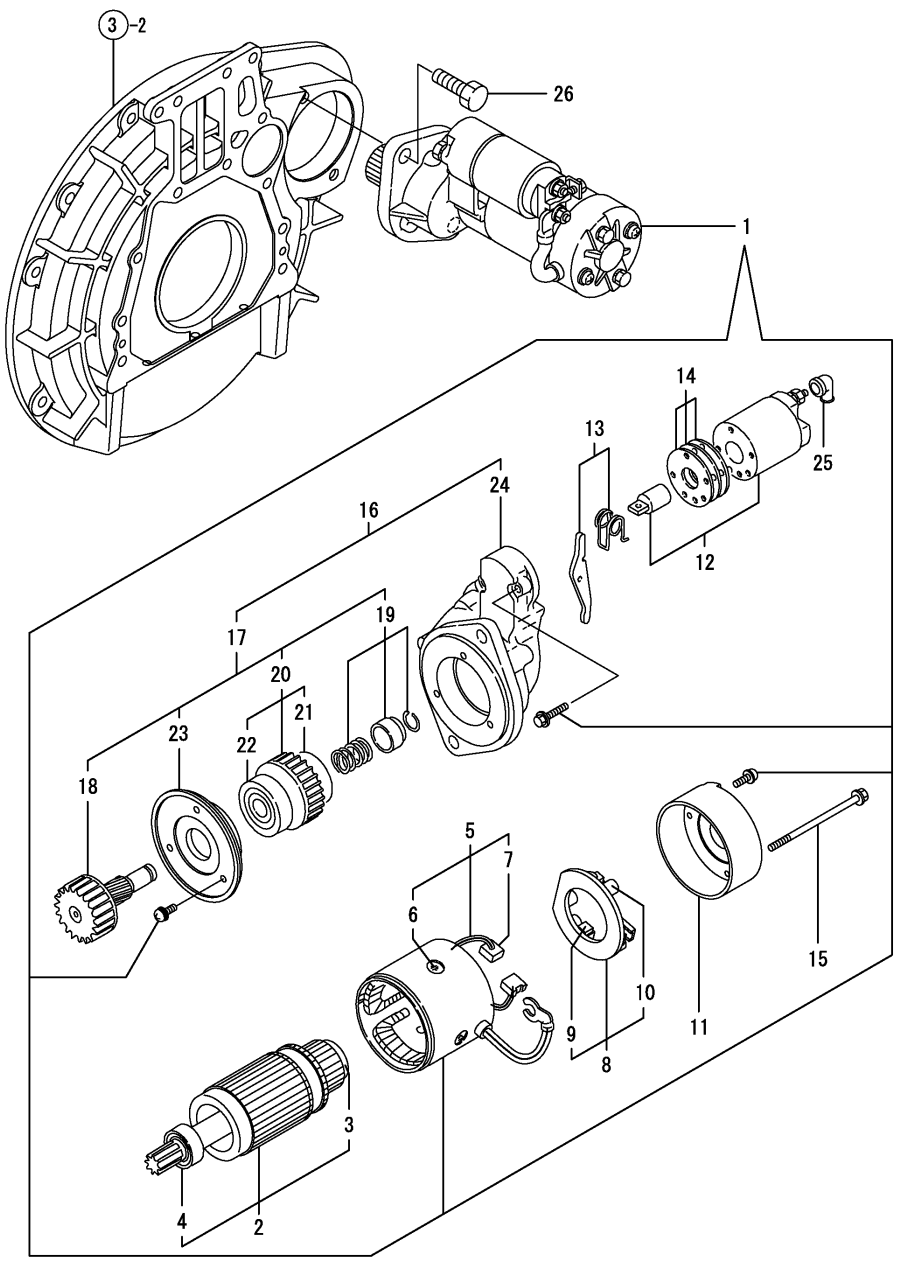
N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\rightleftarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\rightleftarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\rightleftarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\rightleftarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.13. STARTING MOTOR

13. STARTING MOTOR



(A)=4TNE92-HRJ (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	76000134	STARTER(2.3KW	1							
2	2	76000135	ARMATURE ASSY	1							
3	3	76000136	BALL BEARING	1							
4	3	76000137	BALL BEARING	1							
5	2	76000138	COIL ASSY, FIELD	1							
6	3	76000254	SCREW, POLE CORE SET	4							
7	3	76000139	BRUSH (+)	2							
8	2	76000140	HOLDER ASSY, BRASH	1							
9	3	76000139	BRUSH (+)	2							
10	3	76000141	BRUSH SPRING	4							
11	2	76000142	COVER, REAR	1							
12	2	76000143	SWITCH ASSY,MAGNETIC	1							
13	2	76000144	SHIFT LEVER SET	1							
14	2	76000145	COVER ASSY, DUST	1							
15	2	76000146	BOLT, THROUGHT	2							
16	2	76000147	GEAR CASE ASY	1							
17	3	76000148	PINION ASSY	1							
18	4	76000149	SHAFT, PINION	1							
19	4	76000150	STOPPER SET	1							
20	4	76000151	CLUTCH ASSY	1							
21	4	76000152	BALL BEARING (3)	1							
22	4	76000153	BEARING	1							
23	4	76000154	RETAINER, BEARING	1							
24	3	76000155	HOUSING, GEARS	1							
25	2	76000156	COVER, M TERMINAL	1							
26	1	76000294	BOLT M12 30 PLATED	2							

N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\rightleftarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\rightleftarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\rightleftarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\rightleftarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.16. (13A)STARTING MOTOR

16. (13A)STARTING MOTOR

(A)=4TNE92-HRJ (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	76000216	STARTER, 12V 2.3KW	1							
2	2	76000217	ARMATURE ASSY	1							
3	3	76000241	BEARING	1							
4	3	76000242	BEARING	1							
5	2	76000218	YOKE ASSY	1							
6	3	76000219	COIL ASSY, FIELD	1							
7	4	76000139	BRUSH (+)	2							
8	4	76000254	SCREW, POLE CORE SET	4							
9	2	76000220	COVER, REAR	1							
10	2	76000221	HOLDER ASSY, BRUSH	1							
11	3	76000141	BRUSH SPRING	4							
12	3	76000139	BRUSH (+)	2							
13	2	76000222	PINION ASSY	1							
14	3	76000223	CLUTCH ASSY	1							
15	4	76000250	BALL BEARING	1							
16	4	76000224	BEARING	1							
17	3	76000225	SHAFT, PINION	1							
18	3	76000243	STOPPER SET, PINION	1							
22	2	76000226	SWITCH ASSY, MAGNET	1							
23	2	76000227	CASE, GEAR	1							
24	2	76000228	RETAINER, BEARING	1							
25	2	76000229	LEVER ASSY	1							
26	2	76000230	COVER SET, DUST	1							
27	2	76000231	SCREW M410	2							
28	2	76000212	BOLT, THROUGH	2							
29	2	76000156	COVER, M TERMINAL	1							
30	1	76000294	BOLT M12 30 PLATED	2							

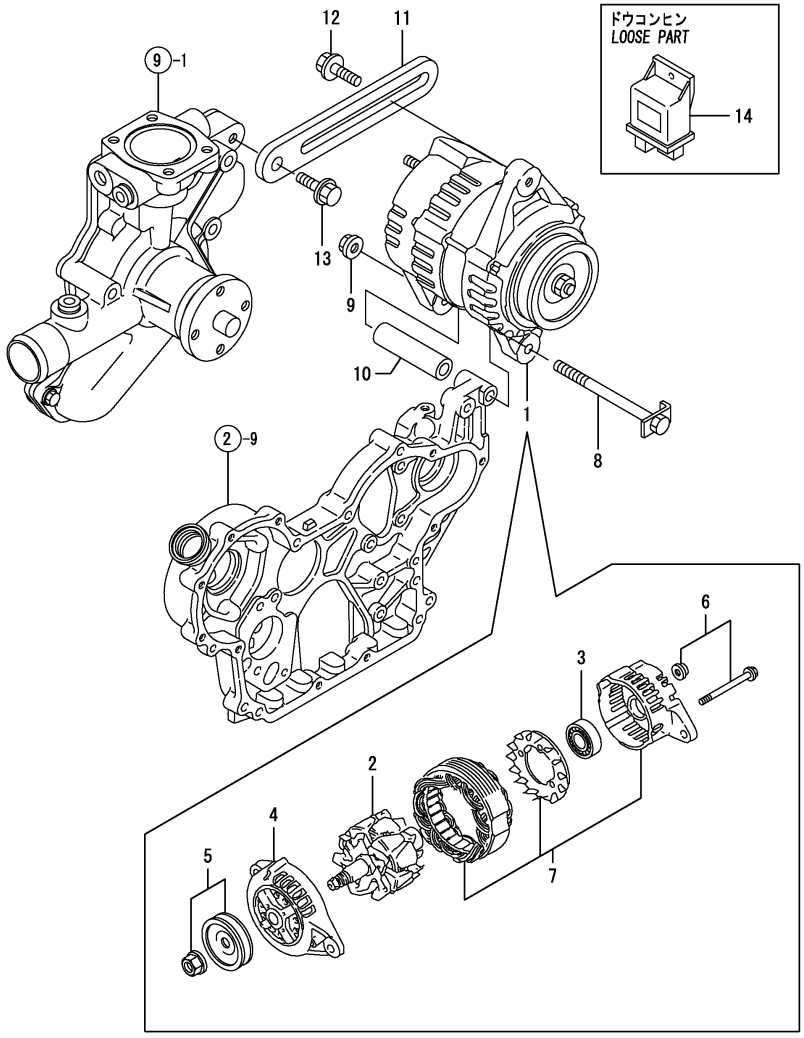
N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\rightleftarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\rightleftarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\rightleftarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\rightleftarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.14. GENERATOR

14. GENERATOR



(A)=4TNE92-HRJ (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	76000200	GENERATOR (AC)	1							
2	2	76000207	ROTOR ASSY	1							
3	2	76000208	BALL BEARING	1							
4	2	76000209	BRACKET ASSY, FRONT	1							
5	2	76000210	PULLEY	1							
6	2	76000211	SCREW KIT	1							
7	2	76000201	BRACKET ASSY, REAR	1							
8	1	76000204	BOLT, M8110	1							
9	1	76000180	NUT, ALTERNATOR	1							
10	1	76000206	SPACER	1							
11	1	76000252	ADJUSTER, BELT	1							
12	1	76000181	BOLT	1							
13	1	76000182	BOLT M 8 25	1							
14	1	76000267	CONTROLLER	1							

Remarks
*This item is applicable to
[(A)=EZZZZZ-1] or previous machines.
Refer to Fig.18.

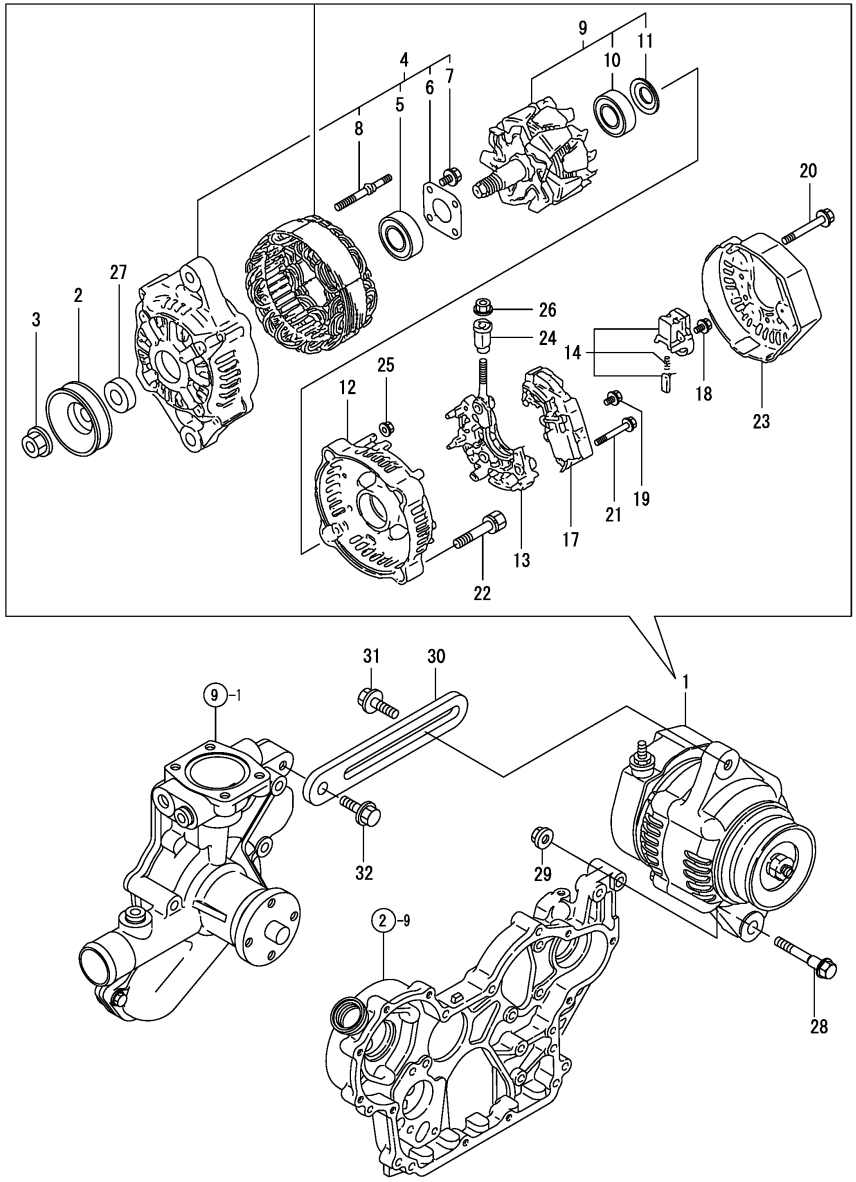
N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\leftrightarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\leftrightarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.18. (14A)GENERATOR

Fig.18. (14A)GENERATOR



Remarks
*This item is applicable to
[(A)=EZZZZZ]or following machines.
Refer to Fig.14.

(A)=4TNE92-HRJ (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	76000239	GENERATOR, 12V-55A	1							
2	2	76000157	PULLEY	1							
3	2	76000158	NUT	1							
4	2	76000255	FRAME ASSY	1							
5	3	76000159	BALL BEARING	1							
6	3	76000160	PLATE, RETAINER	1							
7	3	76000161	SCREW	4							
8	3	76000162	STUD	2							
9	2	76000163	ROTOR ASSY	1							
10	3	76000164	BEARING, BALL	1							
11	3	76000165	COVER, BEARING	1							
12	2	76000166	FRAME, REAR END	1							
13	2	76000270	HOLDER	1							
14	2	76000167	HOLDER, BRUSH	1							
17	2	76000168	REGULATOR ASSY	1							
18	2	76000169	SCREW	6							
19	2	76000170	SCREW	1							
20	2	76000171	BOLT	3							
21	2	76000172	SCREW	2							
22	2	76000173	BOLT	2							
23	2	76000174	COVER, REAR END	1							
24	2	76000175	BUSH, INSULATION	1							
25	2	76000176	NUT	2							
26	2	76000177	NUT	1							
27	2	76000178	COLLAR	1							
28	1	76000179	BOLT, GENERATOR	1							
29	1	76000180	NUT, ALTERNATOR	1							
30	1	76000252	ADJUSTER, BELT	1							
31	1	76000181	BOLT	1							
32	1	76000182	BOLT M 8 25	1							

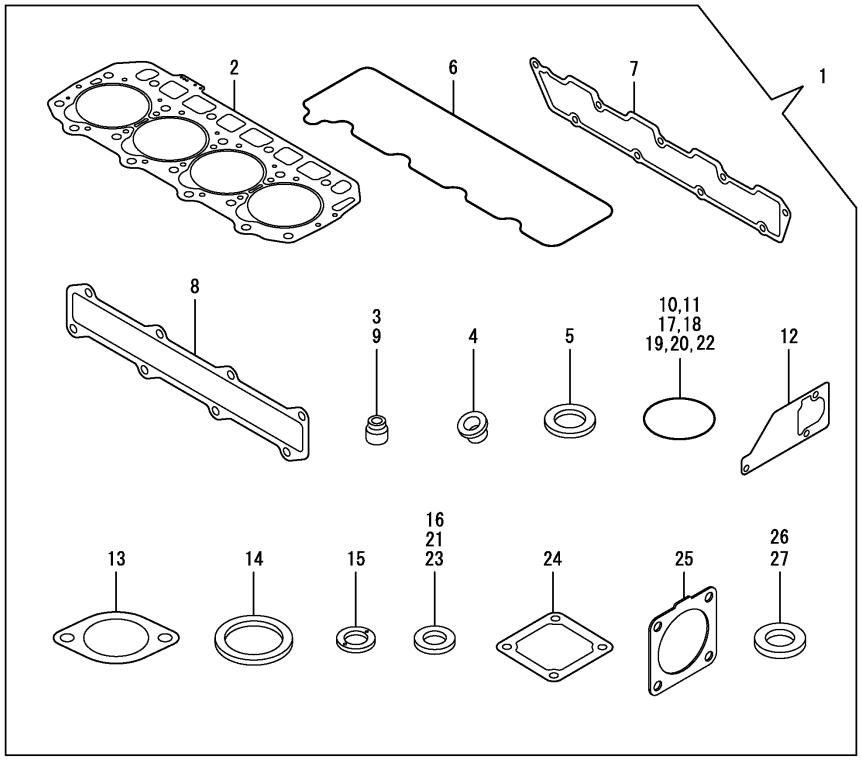
N:Old ◄Yes/No► New, Q:Old ◄No/Yes► New, R:Old ◄Yes/Yes► New, S:Old ◄No/No► New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

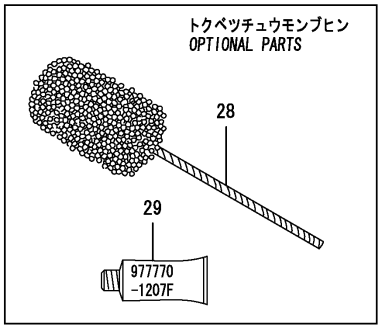
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Fig.15. GASKET SET

15. GASKET SET





(A)=4TNE92-HRJ (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	76000249	GASKET SET	1							1
2	2	76000253	GASKET, HEAD	1							
3	2	76000038	SEAL, VALVE STEM	4							
4	2	76000040	PROTECTOR, NOZZLE	4							
5	2	76000041	GASKET, NOZZLE	8							
6	2	76000062	GASKET, BONNET	1							
7	2	76000059	GASKET, MANIFOLD	1							
8	2	76000214	GASKET, MANIFOLD	1							
9	2	76000037	SEAL, VALVE STEM	4							
10	2	76000021	O-RING, P20	2							
11	2	76000022	O-RING, P14	1							
12	2	76000107	GASKET, PUMP	1							
13	2	76000259	GASKET, COVER	1							
14	2	76000260	GASKET, THERMOSTAT	1							
15	2	76000129	GASKET, RETURN	4							
16	2	76000191	SEAL WASHER 12	3							
17	2	76000101	O-RING 1A P-10A	1							
18	2	76000066	O-RING 1A P-12.0	3							
19	2	76000019	O-RING 1A P-32.0	2							
20	2	76000017	O-RING 1A S-50.0	1							
21	2	76000007	SEAL WASHER 8S	4							
22	2	76000292	O-RING 1A G-85.0	1							
23	2	76000030	WASHER, 22	1							
24	2	76000072	GASKET, HEATER	1							
25	2	76000256	GASKET, SILENCER	1							
26	2	76000114	GASKET, 16	1							
27	2	76000205	GASKET 10	1							
28	1	76000183	FLE HORN	1							1
29	1	76000290	GASKET.LIQUID	1							1

Remarks
(1) OPTIONAL PARTS.

N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\leftrightarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\leftrightarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.17. SHORT BLOCK

17. SHORT BLOCK

(A)=4TNE92-HRJ (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	76000307	SHORT BLOCK	1							
2	2	76000308	BLOCK ASSY, CYLINDER	1							
3	2	76000013	PIN, PARALLEL	2							
4	2	76000251	METAL ASSY, MAIN	5							
5	2	76000313	BEARING ASSY, THRUST	2							
6	2	76000074	TAPPET	8							
7	2	76000273	CAMSHAFT ASSY	1							
8	2	76000274	CRANKSHAFT COMP	1							
9	2	76000089	PISTON ASSY	1							
10	2	76000091	PIN, PISTON	4							
11	2	76000093	ROD ASSY, CONNECTING	4							
12	2	76000311	BEARING ASSY, CRANK	4							
13	2	76000078	SHAFT, IDLE GEAR	1							
14	2	76000276	GEAR ASSY,IDLE	1							
15	2	76000007	WASHER, SEAL 8	1							
16	2	76000007	WASHER, SEAL 8	1							
17	2	76000092	RING, 30	8							
18	2	76000008	PIN,6.0A 12	2							
19	2	76000003	PLUG,R03	1							
20	2	76000003	PLUG,R03	1							
21	2	76000003	PLUG,R03	1							
22	2	76000009	BOLT, 8 12	1							
23	2	76000009	BOLT, 8 12	1							
24	2	76000073	BOLT, 8 14	2							
25	2	76000080	BOLT, 8 55	2							

NOT ILLUSTRATED

Remarks
* Not illustrated.

N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\leftrightarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\leftrightarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Part Number Inde

All parts are stipulated in the order of part numbers.
(Depending on the area in which the part is used.)
This inde will disp lay the location of the part according to each part number.

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MODEL : 4TNE92-HRJ(JINGJIANG
PC NO : 0CW10-G16500

PARTS No. INDE

PARTS No.	Fig.	Ref.No.
76000268	8	17
76000126	11	40
76000133	12	12
76000103	8	15
76000102	8	7
76000197	9	31
76000071	5	7
76000269	12	9
76000099	8	2
76000119	11	15
76000070	4	61
76000041	4	12
	15	5
76000130	11	50
76000157	18	2
76000158	18	3
76000178	18	27
76000168	18	17
76000159	18	5
76000160	18	6
76000161	18	7
76000162	18	8
76000165	18	11
76000169	18	18
76000170	18	19
76000171	18	20
76000172	18	21
76000173	18	22
76000175	18	24
76000176	18	25
76000029	3	9
76000117	11	2
76000067	4	56
76000198	5	6
76000199	5	8
76000181	14	12
	18	31
76000200	14	1
76000201	14	7
76000091	7	17
	17	10
76000202	2	23
76000037	4	8
	15	9
76000113	9	29
76000088	7	35
76000084	7	5
76000087	7	10
76000085	7	6
76000260	9	6

PARTS No.	Fig.	Ref.No.
76000260	15	14
76000258	9	9
76000072	5	10
	15	24
76000164	18	10
76000127	11	41
76000018	2	6
	4	45
76000060	4	46
76000203	9	32
76000038	4	9
	15	3
76000114	9	30
	15	26
76000166	18	12
76000174	18	23
76000028	2	36
		37
76000001	12	13
76000163	18	9
76000270	18	13
76000167	18	14
76000013	2	27
	3	1
	17	3
76000204	14	8
76000076	6	4
76000052	4	34
		38
76000039	4	10
76000053	4	36
		40
76000042	4	20
76000074	6	1
	17	6
76000079	6	14
76000261	8	6
76000205	9	33
	15	27
76000120	11	18
		22
76000206	14	10
76000183	15	28
76000121	11	19
76000180	14	9
	18	29
76000207	14	2
76000208	14	3
76000209	14	4
76000210	14	5

PARTS No.	Fig.	Ref.No.
76000211	14	6
76000212	16	28
76000036	4	7
76000012	1	33
76000010	1	15
76000015	2	3
76000005	1	7
76000310	1	35
76000006	1	10
76000251	17	4
76000313	1	30
	17	5
76000314	1	38
76000033	4	4
76000034	4	5
76000035	4	6
76000046	4	26
76000047	4	27
76000048	4	30
76000062	4	48
	15	6
76000061	4	47
76000049	4	31
76000050	4	32
76000057	4	43
76000063	4	51
76000051	4	33
76000054	4	37
76000059	5	1
	15	7
76000069	5	2
76000213	5	4
76000214	5	5
	15	8
76000271	6	7
76000272	2	28
76000075	6	2
76000273	6	3
	17	7
76000274	7	1
	17	8
76000275	7	4
76000262	7	39
76000086	7	9
76000093	7	19
	17	11
76000095	7	24
76000311	7	25
	17	12
76000312	7	33

PARTS No.	Fig.	Ref.No.
76000094	7	23
76000078	6	10
	17	13
76000276	6	11
	17	14
76000215	6	17
76000277	2	21
		29
76000020	2	10
76000021	2	25
	8	8
	15	10
76000022	2	26
	15	11
76000107	9	12
	15	12
76000108	9	16
76000263	9	2
76000104	9	7
76000259	9	8
	15	13
76000134	13	1
76000216	16	1
76000217	16	2
76000218	16	5
76000219	16	6
76000220	16	9
76000221	16	10
76000222	16	13
76000223	16	14
76000224	16	16
76000225	16	17
76000226	16	22
76000227	16	23
76000252	14	11
	18	30
76000228	16	24
76000229	16	25
76000135	13	2
76000230	16	26
76000231	16	27
76000138	13	5
76000139	13	7
		9
	16	7
		12
76000142	13	11
76000140	13	8
76000148	13	17
76000151	13	20

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MODEL : 4TNE92-HRJ(JINGJIANG
PC NO : 0CW10-G16500

PARTS No. INDE

PARTS No.	Fig.	Ref.No.
76000149	13	18
76000150	13	19
76000143	13	12
76000154	13	23
76000144	13	13
76000146	13	15
76000145	13	14
76000147	13	16
76000155	13	24
76000253	1	34
	15	2
76000187	10	6
76000040	4	11
	15	4
76000081	6	16
76000118	11	3
76000195	11	4
76000131	12	8
76000128	11	43
76000129	11	48
	15	15
76000278	11	49
76000122	11	24
76000123	11	28
76000124	11	32
76000125	11	36
76000279	4	57
76000308	17	2
76000186	10	5
76000032	4	3
76000090	7	13
76000089	7	11
	17	9
76000096	7	27
76000097	7	29
76000232	3	2
76000233	7	36
76000234	7	8
76000031	4	2
76000235	5	11
76000196	3	7
76000236	9	4
76000280	9	14
76000265	9	13
76000109	9	17
76000110	9	18
76000111	9	22
76000112	9	23
76000194	10	12
76000281	12	1

PARTS No.	Fig.	Ref.No.
76000282	12	2
76000283	12	3
76000284	12	4
76000285	12	5
76000286	12	6
76000237	3	8
76000287	4	1
76000256	5	13
	15	25
76000288	7	40
76000098	8	1
76000100	8	3
76000238	8	9
76000289	8	16
76000184	10	10
76000267	14	14
76000116	11	1
76000016	2	4
76000179	18	28
76000239	18	1
76000255	18	4
76000240	2	9
76000241	16	3
76000242	16	4
76000254	13	6
	16	8
76000243	16	18
76000152	13	21
76000153	13	22
76000156	13	25
	16	29
76000004	1	6
76000106	9	11
76000264	12	14
76000014	2	1
76000309	1	27
76000249	15	1
76000002	1	1
76000307	17	1
76000290	2	40
	3	4
	4	60
	15	29
76000297	10	126
76000298	10	127
76000299	10	125
76000315	10	123
76000300	10	35
76000301	10	37
76000302	10	122

PARTS No.	Fig.	Ref.No.
76000303	10	29
		34
76000193	10	115
76000304	10	36
		38
76000305	10	117
76000192	10	114
76000306	10	116
76000136	13	3
76000137	13	4
76000250	16	15
76000141	13	10
	16	11
76000177	18	26

PARTS No.	Fig.	Ref.No.

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UTILEV

PARTS MANUAL

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1. REMARKS ON THE PARTS CATALOG

This parts catalog has the information on the spare parts for K engines, going back to September 2007 when the K engines were introduced.
Please note that the contents of this parts catalog are subject to change, deletion, and non-sale without prior notice.
Please note that this parts catalog does not indicate how to service forklift trucks.
Whether all or partial, photocopying is prohibited without prior consent of Nissan Forklift.

2. ENGINE MODELS HEREIN

Model No.	Applid Model	Start of Production	Specification
001	10001-GR81A	September, 2007	K21, GAS
003	10001-GR91A	September, 2007	K25, GAS
005	10001-GR91B	September, 2007	K25, GAS W/ATM
007	10001-GR94A	May, 2011	K25, LPG

3. CATALOG APPLIED

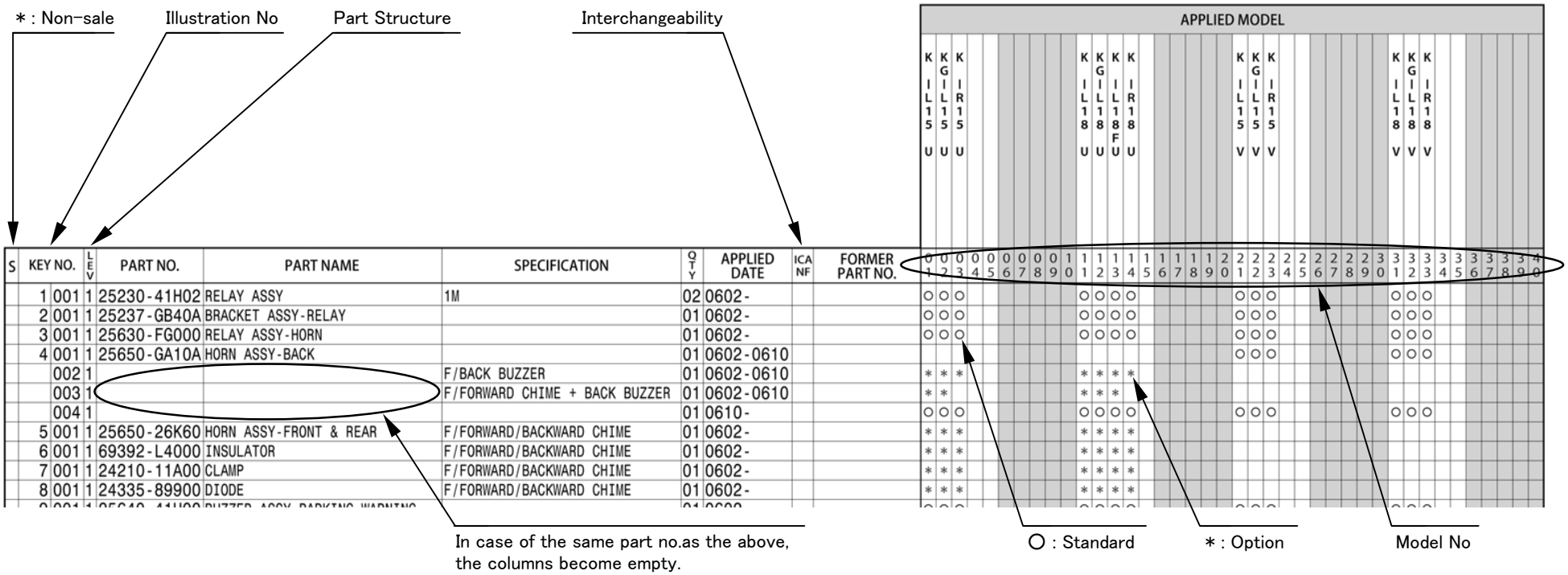
The symbol and in abbreviation are used in this particular note space as list
However, the supplier type and the genera name are not indicated on this list.

catalog Applied	Meaning	Example
*	Optional Equipment	
AR	As Required	
-A	Ampere	10A
-C	Temperature	82C
D=	Diameter(mm)	D=10
F/～	Exclusive Use	F/GAS
～KW	Kilowatt, Electric power	2.3KW
L=	Length(mm)	L=910
OS＝～	Oversize(mm)	OS=0.50
SELECT	Selection Use	SELECT L=19.5
SELECT USE	Proper Use	SELECT USE

catalog Applied	Meaning	Example
CUT USE	Cut Use	L=120 CUT USE
STD	Standard	STD
T=～	Thickness(mm)	T=0.01
US=～	Undersize(mm)	US=0.25
～V	Volts	12V
W/～	With	W/RUB
W/O～	Without	W/O RUB
Z=～	Number of Gear Teeth	Z=17
GRADE～	Grade	GRADE 1
FR	Front	F/FR
RR	Rear	F/RR
RH	Right	F/RH
LH	Left	F/LH

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4. WHAT EACH DESCRIPTION INDICATES



5. INTERCHANGEABILITY

2-2. : A new part can supersede a former one, and vice versa.
2-0. : A new part can supersede a former one, but not vice versa.
0-2. : A former part can supersede a new one, but not vice versa.
0-0. : There is no interchangeability between the new and former parts.
5-0. : A new part can supersede a former one as a set substitute.
7-0. : A new part can supersede a former one under some conditions.

6. The "Level" column indicates the assembly level relationship among the components.

Level 1 ····· Parent part
Level 2 ····· Part subordinate to Level 1
Level 3 ····· Part subordinate to Level 2

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GENERAL INDEX

A ENGINE MECHANICAL

B FUEL & ENGINE CONTROL

C EXHAUST & COOLING

D ENGINE ELECTRICAL

E BODY ELECTRICAL

ALPHA. PART NAME INDEX

PART NO. INDEX

https://truckmanualshub.com/

SECTION INDEX

[A] ENGINE MECHANICAL

SEC. NO.	SECTION NAME	PAGE NO.
101	BARE & SHORT ENGINE	4
102	ENGINE GASKET KIT	6
110	CYLINDER BLOCK & OIL PAN	8
111	CYLINDER HEAD & ROCKER COVER	10
117	FAN,COMPRESSOR & POWER STEERING BELT	12
118	CRANK CASE VENTILATION	14
120	PISTON,CRANKSHAFT & FLYWHEEL	16
130	CAMSHAFT & VALVE MECHANISM	20
135	FRONT COVER & FITTING	22
140	MANIFOLD	24
150	LUBRICATING SYSTEM	26

[B] FUEL, ENGINE & MOTOR CONTROL

SEC. NO.	SECTION NAME	PAGE NO.
160A	CARBURETOR(GAS)	30
160B	CARBURETOR(LPG)	34
164	FUEL STRAINER & FUEL HOSE	36
165	AIR CLEANER	38
170	FUEL PUMP	40
191	GOVERNOR	42
195	VAPORIZER	44

[C] EXHAUST & COOLING

SEC. NO.	SECTION NAME	PAGE NO.
210	WATER PUMP, COOLING FAN & THERMOSTAT	48

[D] ENGINE ELECTRICAL

SEC. NO.	SECTION NAME	PAGE NO.
220	IGNITION SYSTEM	52
221	DISTRIBUTOR	54
223A	VACUUM PIPING(GAS)	56
223B	VACUUM PIPING(LPG)	58
230	ALTERNATOR FITTING	60
231	ALTERNATOR	62
233	STARTER MOTOR	64

[E] BODY ELECTRICAL

SEC. NO.	SECTION NAME	PAGE NO.
253	ELECTRICAL UNIT	68

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GROUP INDEX

ENGINE MECHANICAL

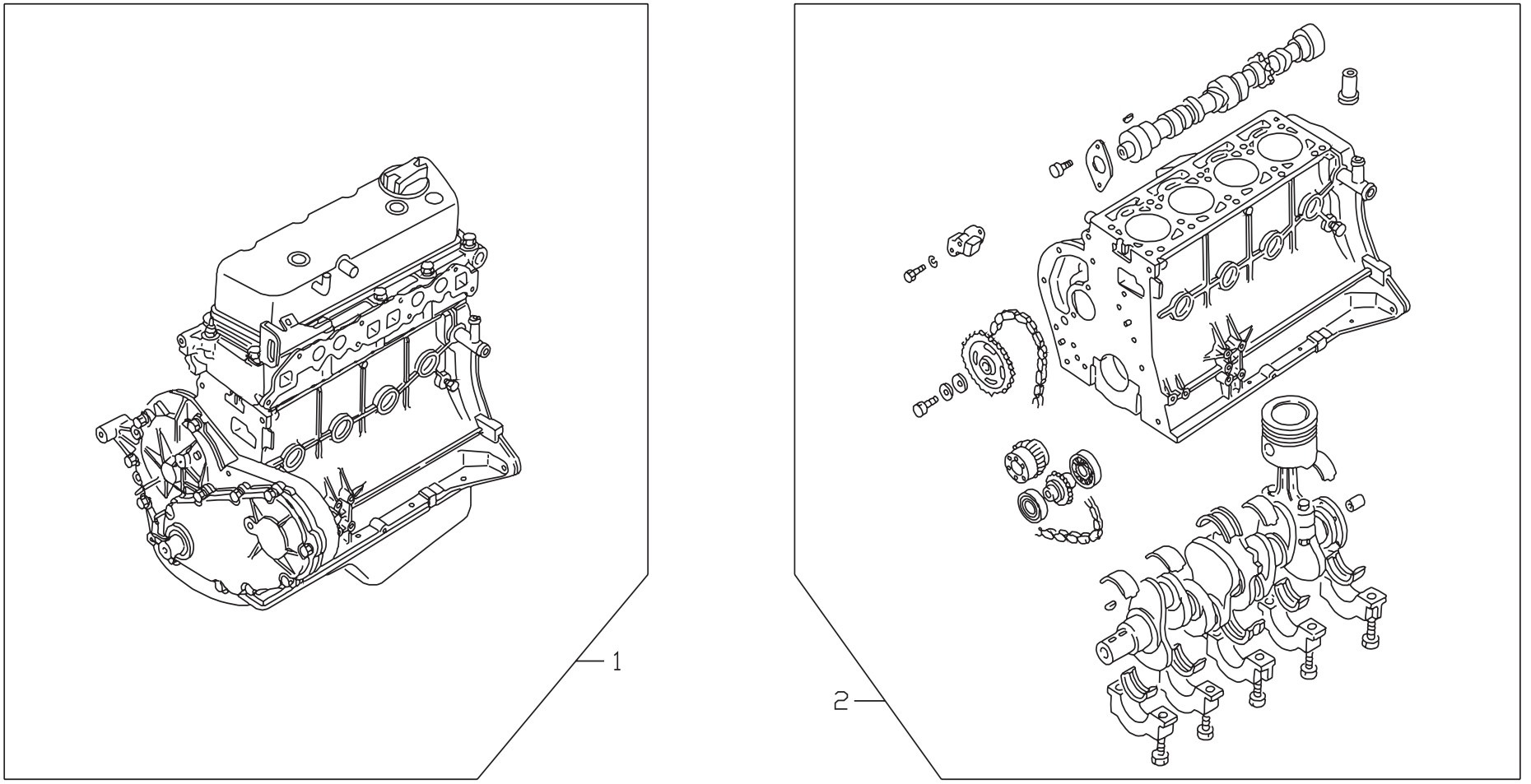
A

SEC. NO.	SECTION NAME	PAGE NO.
101	BARE & SHORT ENGINE	4
102	ENGINE GASKET KIT	6
110	CYLINDER BLOCK & OIL PAN	8
111	CYLINDER HEAD & ROCKER COVER	10
117	FAN,COMPRESSOR & POWER STEERING BELT	12
118	CRANK CASE VENTILATION	14
120	PISTON,CRANKSHAFT & FLYWHEEL	16
130	CAMSHAFT & VALVE MECHANISM	20
135	FRONT COVER & FITTING	22
140	MANIFOLD	24
150	LUBRICATING SYSTEM	26

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SEC. 101
BARE & SHORT ENGINE

[200709-]



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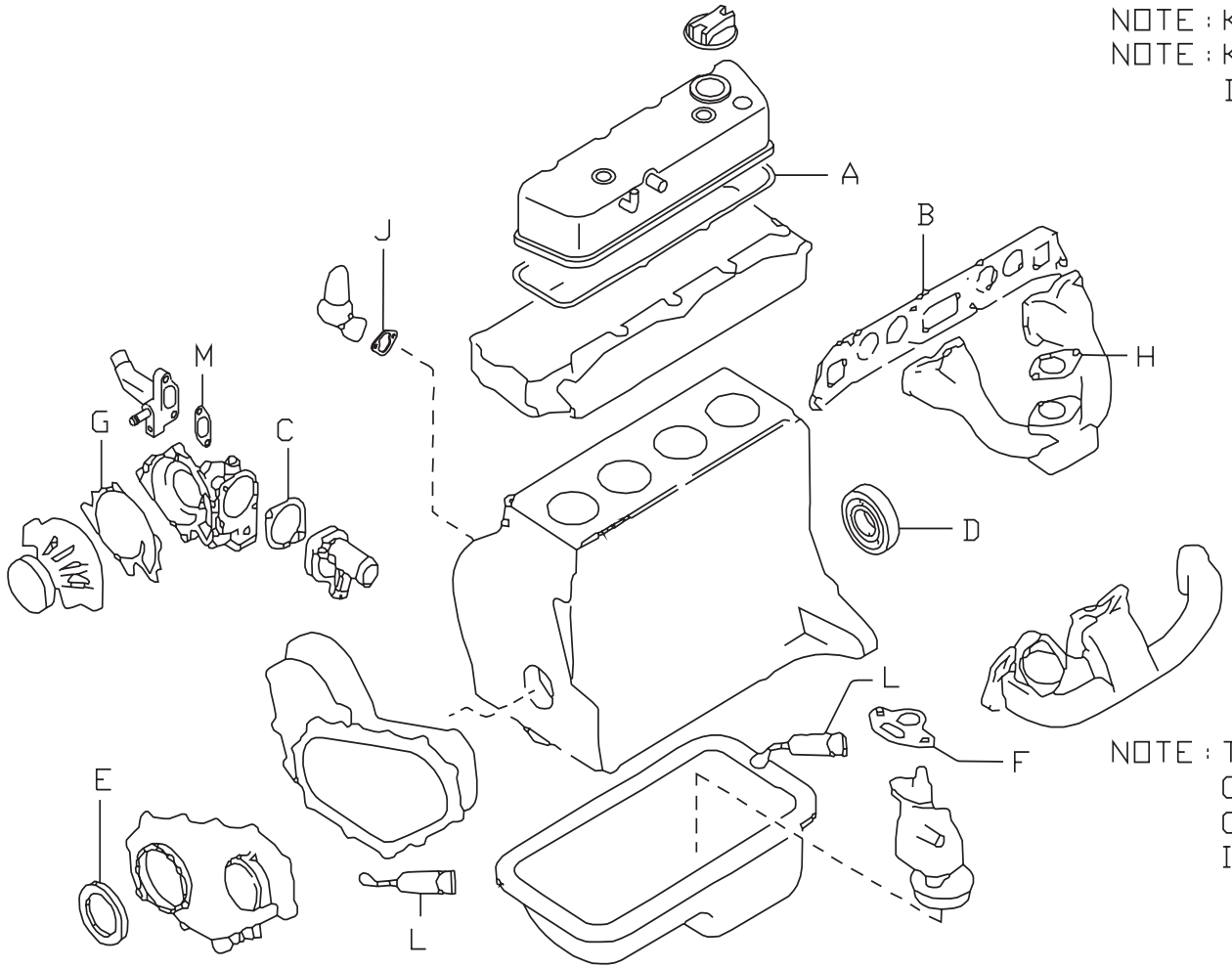
SEC. 101
BARE & SHORT ENGINE

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
										100001 GR81A		100001 GR91A		100001 GR91B		100001 GR94A																								
	1 001	1	76000380	ENGINE ASSY-BARE		01	0709-			○																													
	002	1	76000381			01	0709-					○		○		○																							
	2 001	1	76000382	ENGINE ASSY-SHORT		01	0709-			○																													
	002	1	76000383			01	0709-					○		○		○																							

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SEC. 102
ENGINE GASKET KIT

[200709-]



NOTE : KEY NO.1 GASKET KIT-ENGINE REPAIR
NOTE : KEY NO.2 GASKET KIT-VALVE REGRIND
INCLUDES A, B, C

A	GASKET-ROCKER COVER	01
B	GASKET-MANIFOLD	01
C	GASKET-WATER OUTLET	01
D	SEAL-OIL,CRANKSHAFT REAR	01
E	SEAL-OIL	01
F	GASKET-OIL PUMP	01
G	GASKET-WATER PUMP	01
H	INSULATOR	01
J	SPACER-FUEL PUMP	01
L	GASKET-LIQUID	02
M	GASKET-WATER INLET	01

NOTE : THIS KIT DOES NOT INCLUDE GASKET-CYLINDER HEAD,PLEASE ORDER GASKET-CYLINDER HEAD SEPARATELY, IF REQUIRED (SEC,111)

P0H16K311102_A

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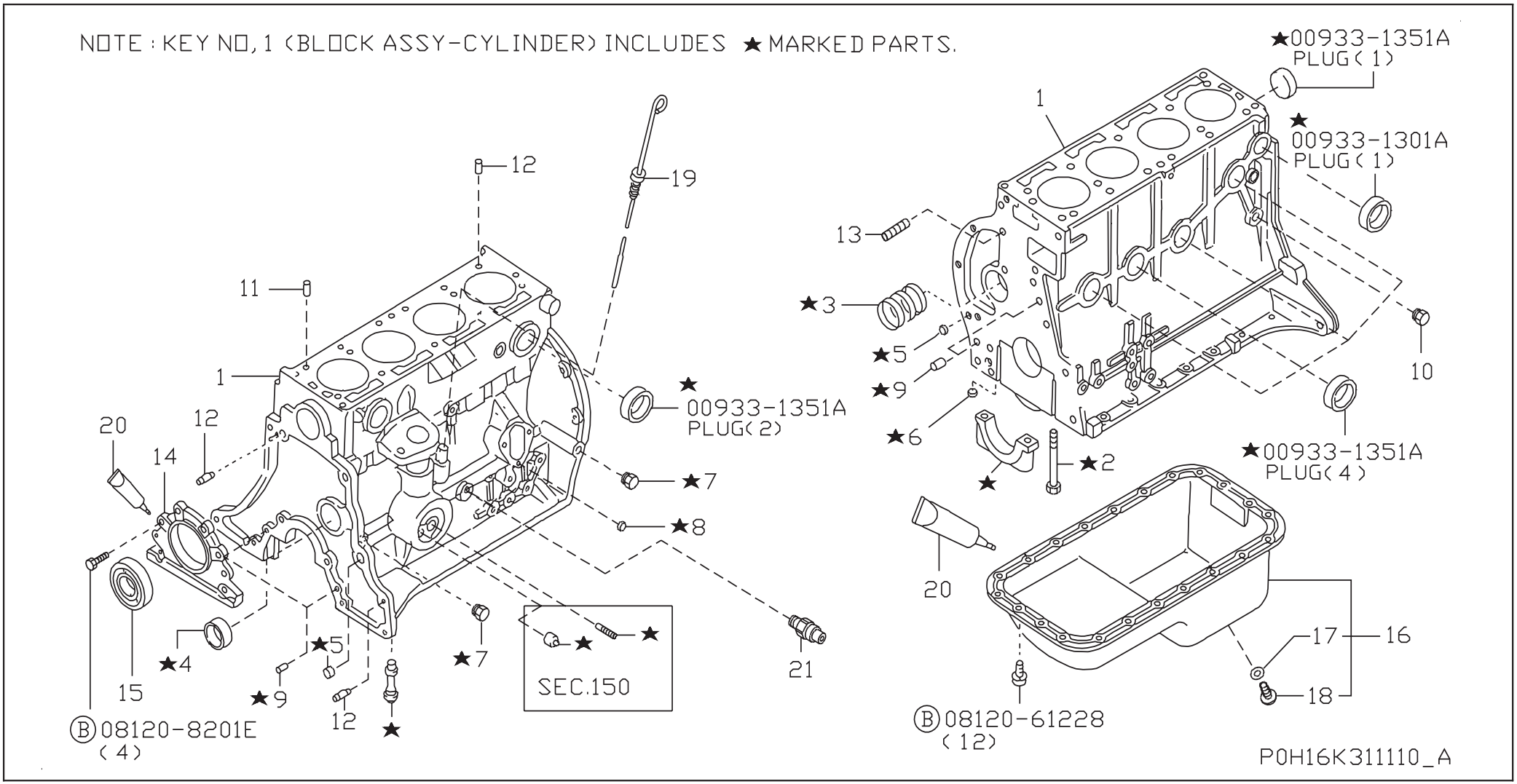
SEC. 102
ENGINE GASKET KIT

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
										100001 GR81A		100001 GR91A		100001 GR91B		100001 GR94A																								
	1 001	1	76000378	GASKET KIT-ENGINE REPAIR		01	0709-			○		○		○		○																								
	2 001	1	76000396	GASKET KIT-VALVE REGRIND		01	0709-			○		○		○		○																								

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SEC. 110
CYLINDER BLOCK & OIL PAN

[200709-]



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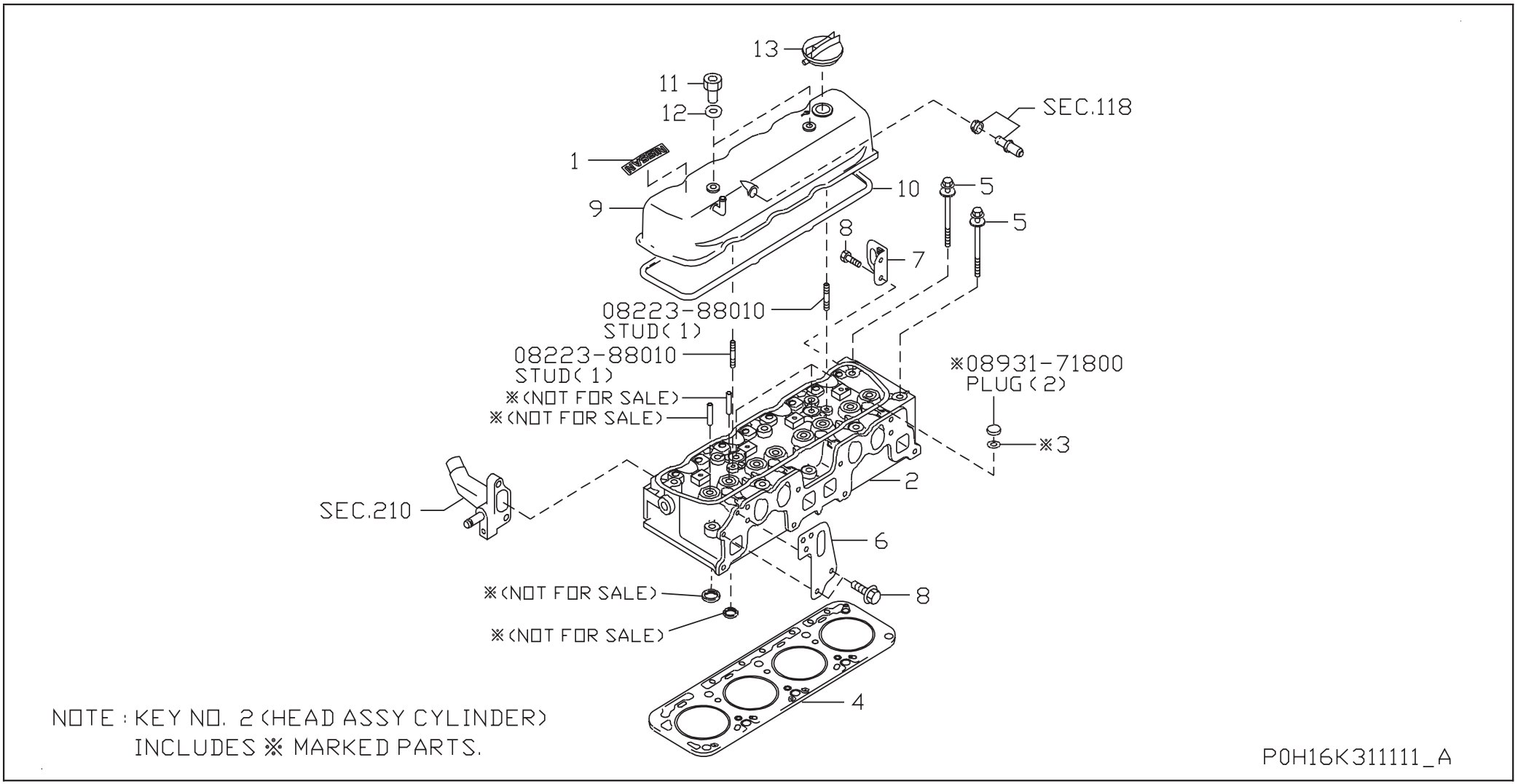
SEC. 110
CYLINDER BLOCK & OIL PAN

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
										100001 GR81A		100001 GR91A		100001 GR91B		100001 GR94A																								
	1 001	1	76000385	BLOCK ASSY-CYLINDER		01	0709-					○		○		○																						
	002	1	76000384			01	0709-			○																													
	2 001	2	76000465	BOLT-MAIN BEARING CAP		10	0709-			○		○		○		○																						
	3 001	2	76000486	BUSH SET		01	0709-			○		○		○		○																						
	4 001	2	76000386	PLUG-WELCH		01	0709-			○		○		○		○																						
	5 001	2	76000392	PLUG-TAPER		02	0709-			○		○		○		○																						
	6 001	2	76000389	PLUG-BLIND		01	0709-			○		○		○		○																						
	7 001	2	76000390	PLUG		02	0709-			○		○		○		○																						
	8 001	2	76000387	PLUG		01	0709-			○		○		○		○																						
	9 001	2	76000398	DOWEL		04	0709-			○		○		○		○																						
	10 001	1	76000391	PLUG		01	0709-			○		○		○		○																						
	11 001	1	76000399	DOWEL-PIN		02	0709-			○		○		○		○																						
	12 001	1	76000790	DOWEL	SELECT L=25.0	02	0709-			○		○		○		○																						
	002	1			SELECT L=19.5				02 0709-	○		○		○		○																						
	13 001	1	76000415	STUD		02	0709-			○		○		○		○																						
	14 001	1	76000466	RETAINER ASSY-OIL SEAL,REAR		01	0709-			○		○		○		○																						
	15 001	1	76000464	SEAL-OIL,CRANKSHAFT REAR		01	0709-			○		○		○		○																						
	16 001	1	76000411	PAN ASSY-OIL		01	0709-			○		○		○		○																						
	17 001	2	76000393	WASHER-DRAIN PLUG		01	0709-			○		○		○		○																						
	18 001	2	76000412	PLUG-DRAIN		01	0709-			○		○		○		○																						
	19 001	1	76000413	GAUGE ASSY-OIL LEVEL		01	0709-0907			○		○		○		○																						
	002	1	7600414			01	0907-		20 76000413	○		○		○		○																						
	20 001	1	76000796	GASKET-LIQUID		AR	0709-			○		○		○		○																						
	21 001	1	76000787	SWITCH-OIL PRESSURE		01	0709-			○		○		○		○																						

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SEC. 111
CYLINDER HEAD & ROCKER COVER

[200709-]



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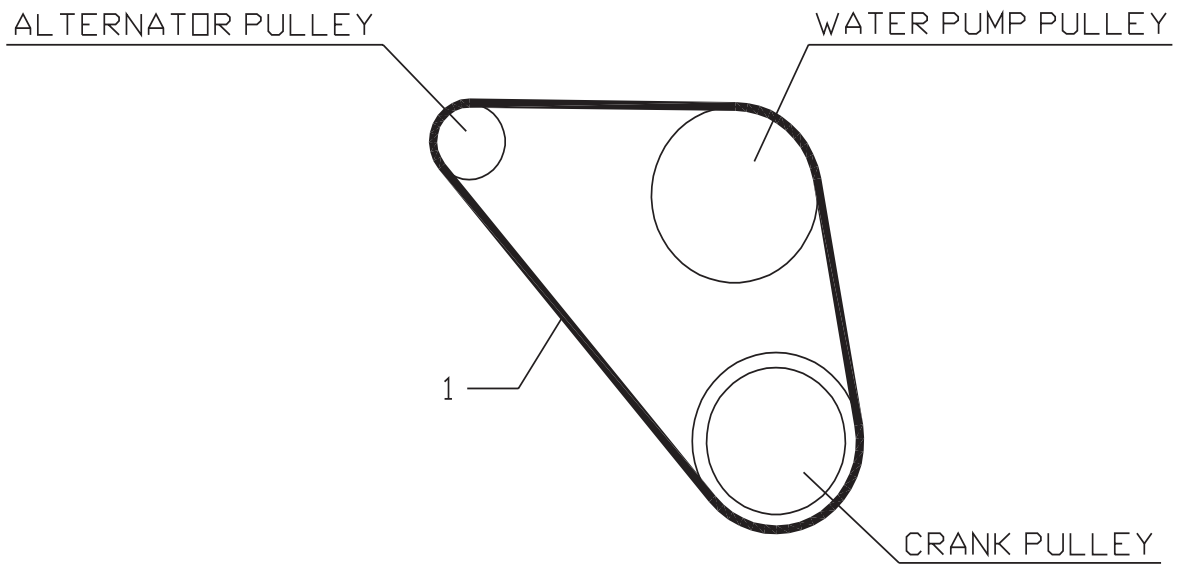
SEC. 111
CYLINDER HEAD & ROCKER COVER

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL 100001 GR81A		100001 GR91A		100001 GR91B		100001 GR94A																										
										01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	1 001	1	76000793	LABEL-NISSAN		01	0709-			○		○		○		○																								
	2 001	1	76000395	HEAD ASSY-CYLINDER		01	0709-			○		○		○		○																								
	3 001	2	76000394	GASKET		02	0709-			○		○		○		○																								
	4 001	1	76000397	GASKET-CYLINDER HEAD		01	0709-			○		○		○		○																								
	5 001	1	76000400	BOLT-CYLINDER HEAD		10	0709-1002			○		○		○		○																								
	002	1	76000401			10	1002-	90	76000400	○		○		○		○																								
	6 001	1	76000376	SLINGER-ENGINE,FRONT		01	0709-			○		○		○		○																								
	7 001	1	76000377	SLINGER-ENGINE,REAR		01	0709-			○		○		○		○																								
	8 001	1	76000369	BOLT-SLINGER		04	0709-			○		○		○		○																								
	9 001	1	76000516	COVER ASSY-VALVE ROCKER	SELECT USE	01	0709-			○		○		○		○																								
	002	1	76000515		SELECT USE	01	0709-			○		○		○		○																								
	003	1	76000514		SELECT USE	01	0709-			○		○		○		○																								
	10 001	1	76000518	GASKET-ROCKER COVER		01	0709-			○		○		○		○																								
	11 001	1	76000519	NUT-CAP		02	0709-			○		○		○		○																								
	12 001	1	76000517	WASHER		02	0709-			○		○		○		○																								
	13 001	1	76000555	CAP ASSY-OIL FILLER		01	0709-			○		○		○		○																								

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SEC. 117
FAN,COMPRESSOR & POWER STEERING BELT

[200709-]



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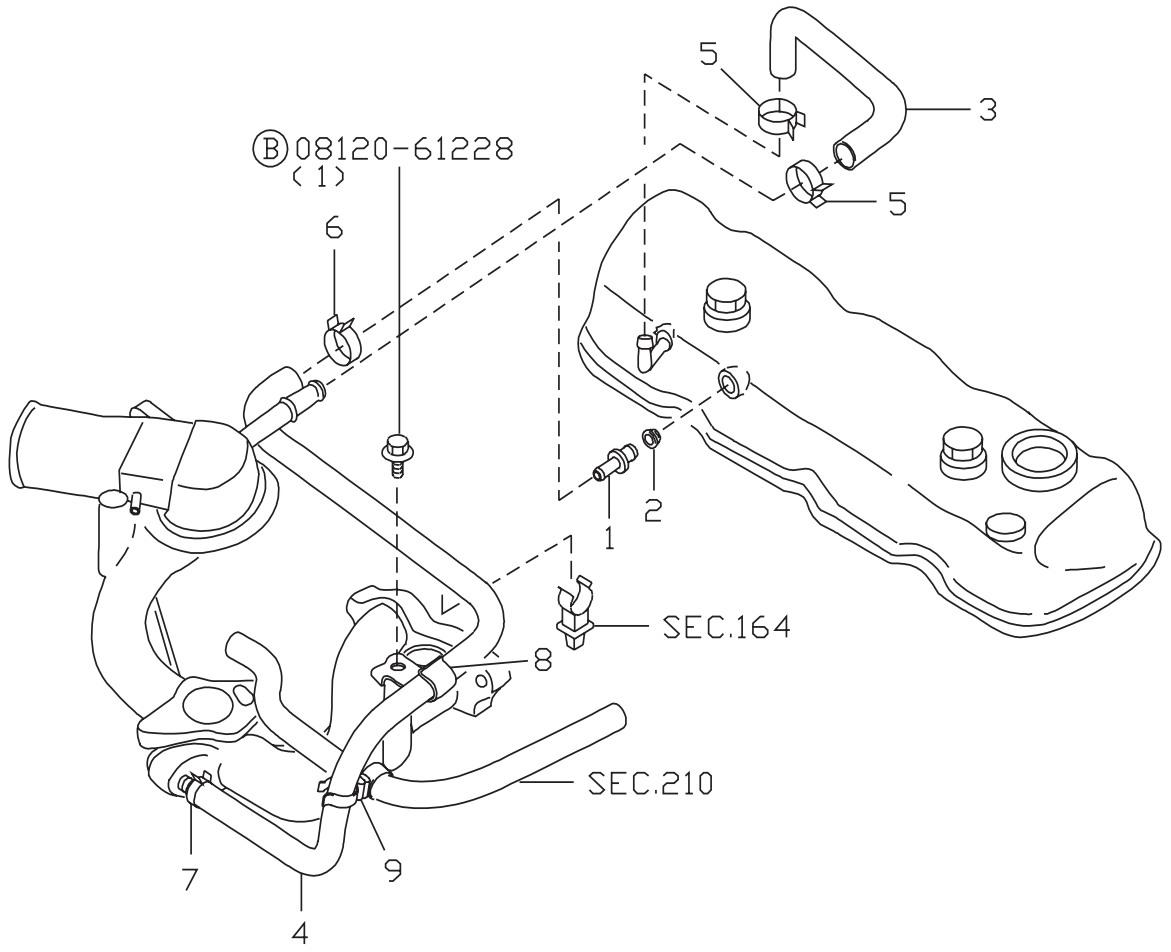
SEC. 117
FAN,COMPRESSOR & POWER STEERING BELT

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
										100001 GR811A		100001 GR911A		100001 GR911B		100001 GR944A																								
	1	001	1	76000374	BELT - FAN	L=1060	01	0709 -		○		○		○																								
		002	1	76000375		L=1230	01	1105 -								○																							

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SEC. 118
CRANK CASE VENTILATION

[200709-]



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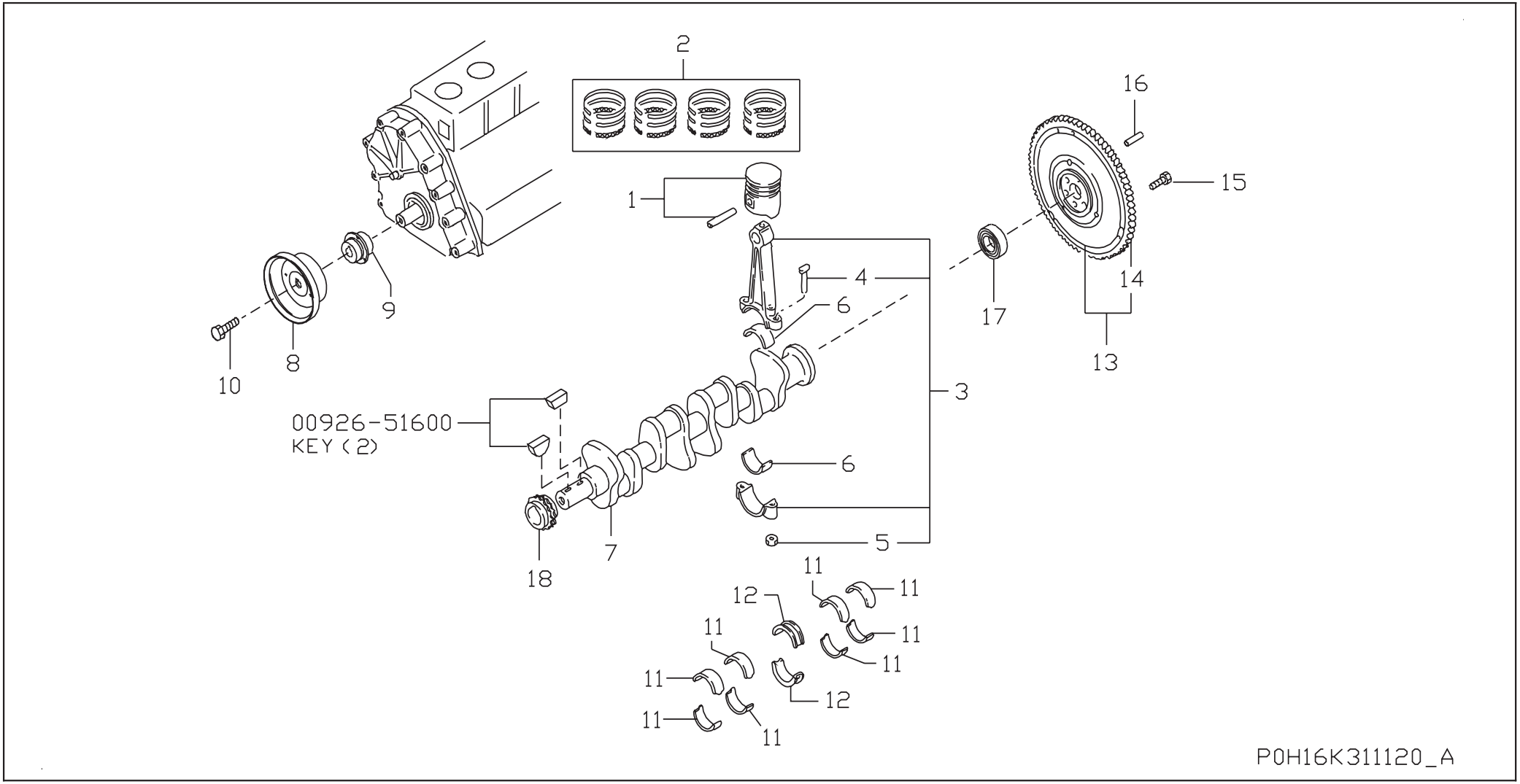
SEC. 118
CRANK CASE VENTILATION

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICA NF	FORMER PART NO.	APPLIED MODEL 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
										100001 GR81A		100001 GR91A		100001 GR91B		100001 GR94A																								
	1	001	1	76000430	VALVE ASSY-CONTROL BLOWBY		01	0709-			○		○		○		○																						
	2	001	1	76000417	INSULATOR-PCV VALVE		01	0709-			○		○		○		○																						
	3	001	1	76000419	HOSE-BLOWBY GAS		01	0709-			○		○		○		○																						
	4	001	1	76000418	HOSE-BLOWBY GAS		01	0709-			○		○		○		○																						
	5	001	1	76000653	CLAMP-HOSE		02	0709-			○		○		○		○																						
	6	001	1	76000651	CLAMP-HOSE		01	0709-			○		○		○		○																						
	7	001	1	76000652	CLAMP-HOSE		01	0709-			○		○		○		○																						
	8	001	1	76000783	CLIP		01	0709-			○		○		○		○																						
	9	001	1	76000782	CLIP		01	0709-			○		○		○		○																						

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SEC. 120
PISTON,CRANKSHAFT & FLYWHEEL

[200709-]



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SEC. 120
PISTON,CRANKSHAFT & FLYWHEEL

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL																												
										100001 GR81A		100001 GR91A		100001 GR91B		100001 GR94A																						
										01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	1	001	1	76000427	PISTON,W/PIN	GRADE1	04	0709-				○		○		○																						
		002	1	76000428		GRADE2	04	0709-				○		○		○																						
		003	1	76000429		GRADE3	04	0709-				○		○		○																						
		004	1	76000431		GRADE4	04	0709-				○		○		○																						
		005	1	76000432		GRADE5	04	0709-				○		○		○																						
		006	1	76000433		OS=0.5	04	0709-				○		○		○																						
		007	1	76000434		OS=1.0	04	0709-				○		○		○																						
		008	1	76000420		GRADE1	04	0709-		○																												
		009	1	76000421		GRADE2	04	0709-		○																												
		010	1	76000422		GRADE3	04	0709-		○																												
		011	1	76000423		GRADE4	04	0709-		○																												
		012	1	76000424		GRADE5	04	0709-		○																												
		013	1	76000425		OS=0.5	04	0709-		○																												
		014	1	76000426		OS=1.0	04	0709-		○																												
	2	001	1	76000435	RING SET-PISTON	STD	01	0709-		○		○		○		○																						
		002	1	76000436		OS=0.5	01	0709-		○		○		○		○																						
		003	1	76000437		OS=1.0	01	0709-		○		○		○		○																						
	3	001	1	76000438	ROD COMPL-CONNECTING		04	0709-0802		○																												
		002	1	76000439			04	0802-	20	76000438	○																												
		003	1	76000440			04	0709-0802				○		○		○																						
		004	1	76000441			04	0802-	20	76000440		○		○		○																						
	4	001	2	76000442	BOLT-CONNECTING ROD		08	0709-0802			○		○		○		○																						
		002	2	76000443			08	0802-	20	76000442	○		○		○		○																						
	5	001	2	76000445	NUT-CONNECTING ROD		08	0709-			○		○		○		○																						
	6	001	1	76000444	BEARING-CONNECTING ROD	STD	08	0709-			○		○		○		○																						
		002	1	76000446		US=0.08	08	0709-			○		○		○		○																						
		003	1	76000447		US=0.12	08	0709-			○		○		○		○																						
		004	1	76000448		US=0.25	08	0709-			○		○		○		○																						
	7	001	1	76000449	CRANKSHAFT ASSY		01	0709-		○																												
		002	1	76000450			01	0709-0904				○		○		○																						
		003	1	76000451			01	0904-	20	76000450		○		○		○																						
	8	001	1	76000467	PULLEY-CRANKSHAFT		01	0709-			○		○		○		○																						
	9	001	1	76000468	WEDGE-CRANK PULLEY		01	0709-			○		○		○		○																						
	10	001	1	76000469	BOLT-FIX,PULLEY CRANK		01	0709-			○		○		○		○																						
	11	001	1	76000452	BEARING,MAIN INTER	STD	08	0709-			○		○		○		○																						
		002	1	76000453		US=0.02	08	0709-			○		○		○		○																						
		003	1	76000454		US=0.25	08	0709-			○		○		○		○																						
		004	1	76000455		US=0.50	08	0709-			○		○		○		○																						
		005	1	76000456		US=0.75	08	0709-			○		○		○		○																						
		006	1	76000457		US=1.00	08	0709-			○		○		○		○																						

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SEC. 120
PISTON,CRANKSHAFT & FLYWHEEL

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
										100001 GR81A		100001 GR91A		100001 GR91B		100001 GR94A																								
	12 001	1	76000458	BEARING-MAIN,CENTER	STD	02	0709-			○		○		○		○																								
	002	1	76000459		US=0.02	02	0709-			○		○		○		○																								
	003	1	76000460		US=0.25	02	0709-			○		○		○		○																								
	004	1	76000461		US=0.50	02	0709-			○		○		○		○																								
	005	1	76000462		US=0.75	02	0709-			○		○		○		○																								
	006	1	76000463		US=1.00	02	0709-			○		○		○		○																								
	13 001	1	76000472	FLYWHEEL ASSY		01	0709-			○		○																												
	002	1	76000471			01	0709-							○																										
	003	1	76000470			01	1105-									○																								
	14 001	2	76000473	GEAR-RING		01	0709-			○		○		○		○																								
	15 001	1	76000475	BOLT-FLYWHEEL		06	0709-							○																										
	002	1	76000476			06	0709-			○		○				○																								
	16 001	1	76000474	DOWEL-CLUTCH TO FLYWHEEL		02	0709-			○		○				○																								
	17 001	1	76000792	BEARING-BALL		01	0709-			○		○				○																								
	18 001	1	76000489	SPROCKET-CRANKSHAFT	SELECT USE	01	0709-			○		○		○		○																								
	002	1	76000490		SELECT USE	01	0709-			○		○		○		○																								

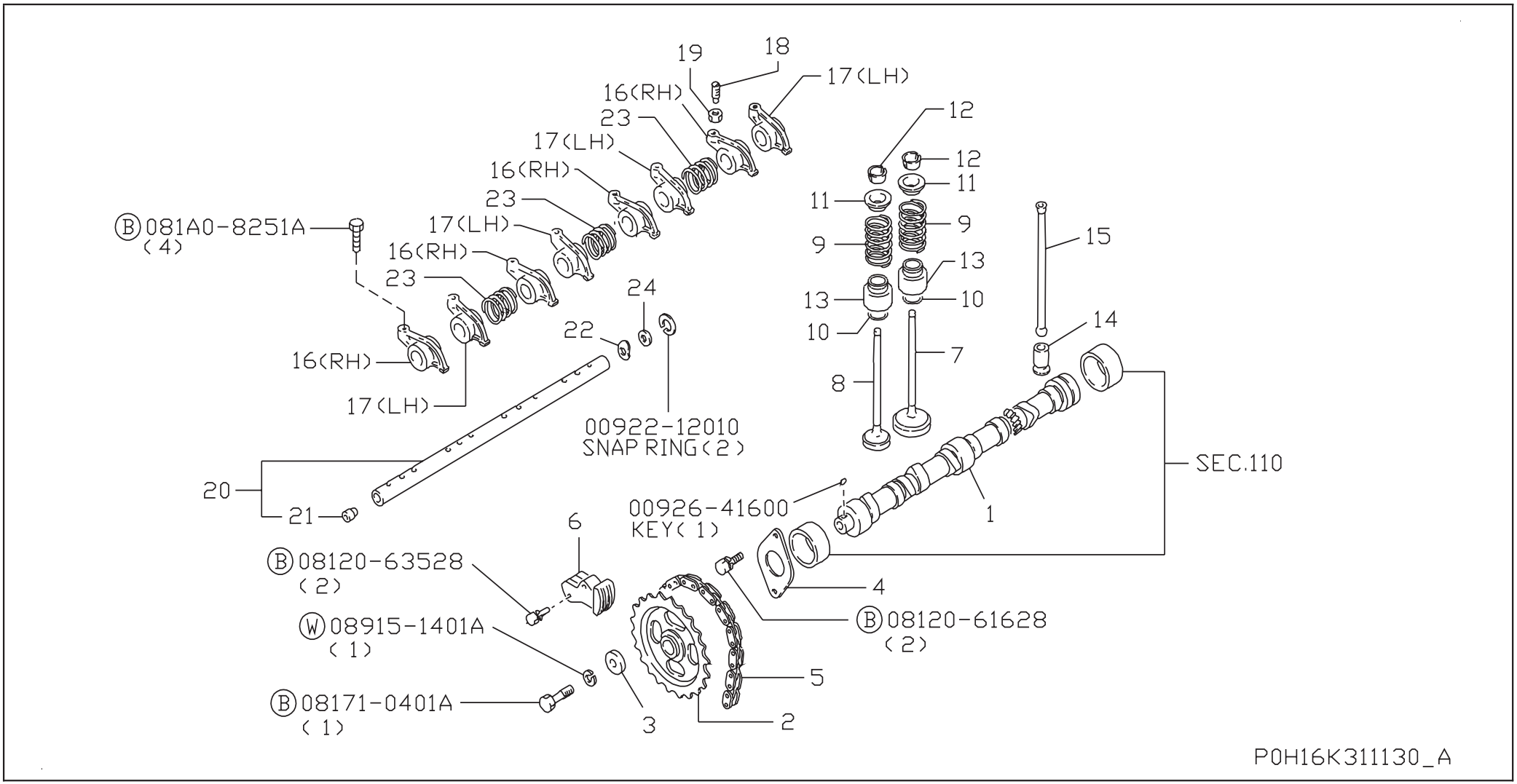
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NOTE

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SEC. 130
CAMSHAFT & VALVE MECHANISM

[200709-]



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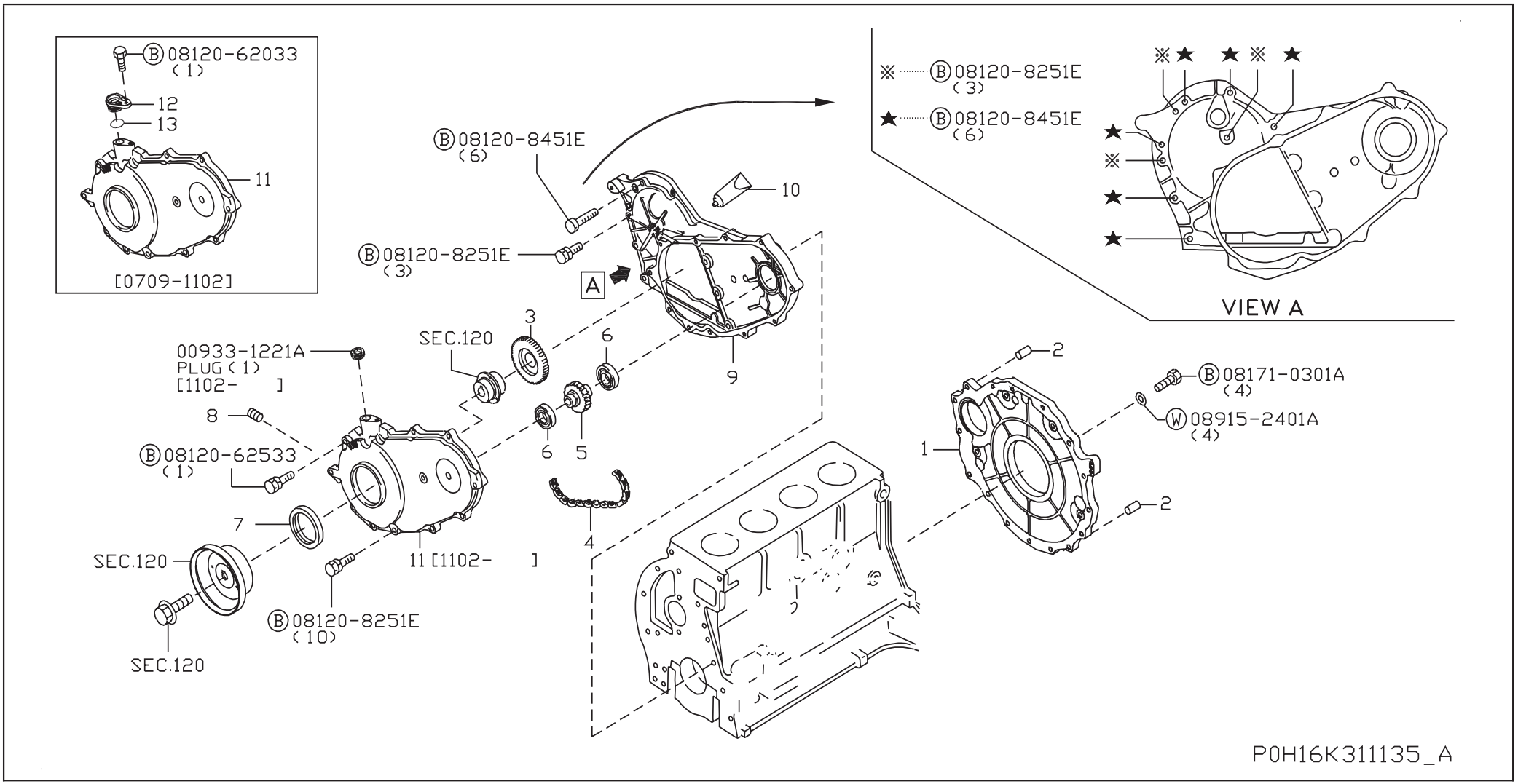
SEC. 130
CAMSHAFT & VALVE MECHANISM

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
										100001 GR81A		100001 GR91A		100001 GR91B		100001 GR94A																								
	1 001	1	76000485	CAMSHAFT ASSY		01	0709-			○		○		○		○																						
	2 001	1	76000491	SPROCKET-CAMSHAFT		01	0709-1004			○		○		○		○																						
	002	1	76000492			01	1004-	20	76000491	○		○		○		○																						
	3 001	1	76000488	WASHER-CAM SPROCKET		01	0709-			○		○		○		○																						
	4 001	1	76000487	PLATE-LOCATING,CAMSHAFT		01	0709-			○		○		○		○																						
	5 001	1	76000493	CHAIN-TIMING CAMSHAFT		01	0709-			○		○		○		○																						
	6 001	1	76000496	TENSION ASSY-CHAINN		01	0709-			○		○		○		○																						
	7 001	1	76000497	VALVE-INTAKE		04	0709-			○		○		○		○																						
	8 001	1	76000498	VALVE-EXHAUST		04	0709-			○		○		○		○																						
	9 001	1	76000499	SPRING-VALVE		08	0709-			○		○		○		○																						
	10 001	1	76000500	SEAT-VALVE SPRING,OUTER		08	0709-			○		○		○		○																						
	11 001	1	76000502	RETAINER-VALVE SPRING		08	0709-			○		○		○		○																						
	12 001	1	76000503	COLLET-VALVE		16	0709-			○		○		○		○																						
	13 001	1	76000501	SEAL-OIL VALVE STEM		08	0709-			○		○		○		○																						
	14 001	1	76000504	LIFTER-VALVE		08	0709-			○		○		○		○																						
	15 001	1	76000507	ROD-PUSH		08	0709-			○		○		○		○																						
	16 001	1	76000512	ARM-VALVE ROCKER		04	0709-			○		○		○		○																						
	17 001	1	76000513	ARM-VALVE ROCKER		04	0709-			○		○		○		○																						
	18 001	1	76000505	SCREW-ADJUST,VALVE ROCKER		08	0709-			○		○		○		○																						
	19 001	1	76000506	NUT-ADJUST SCREW		08	0709-			○		○		○		○																						
	20 001	1	76000508	SHAFT ASSY-VALVE ROCKER		01	0709-			○		○		○		○																						
	21 001	2	76000509	PLUG-ROCKER SHAFT		02	0709-			○		○		○		○																						
	22 001	1	76000510	SPRING-OUTSIDE,VALVE ROCKER		02	0709-			○		○		○		○																						
	23 001	1	76000511	SPRING-VALVE ROCKER		03	0709-			○		○		○		○																						
	24 001	1	76000520	WASHER-ROCKER SHAFT		02	0709-			○		○		○		○																						

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SEC. 135
FRONT COVER & FITTING

[200709-]



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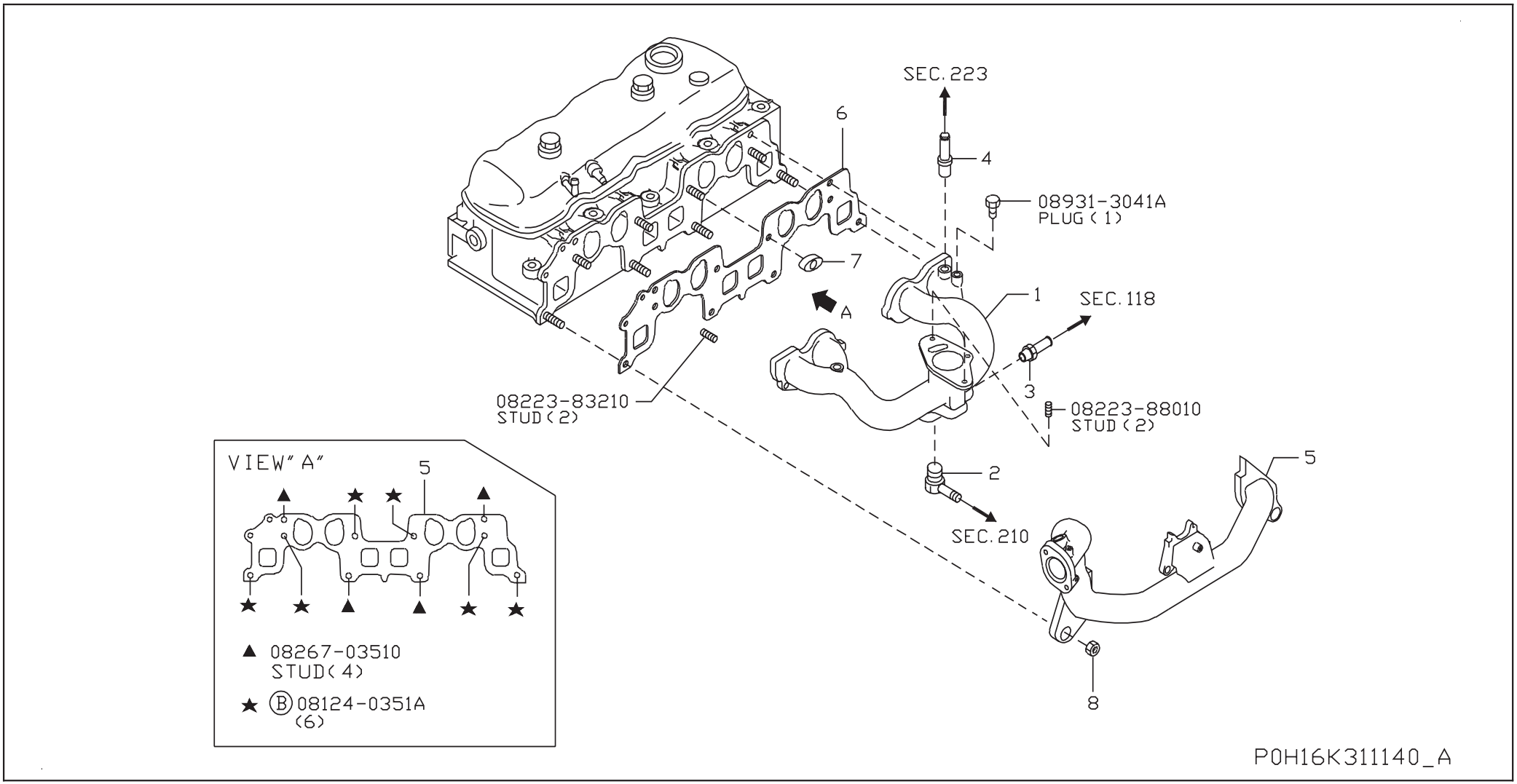
SEC. 135
FRONT COVER & FITTING

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICA NF	FORMER PART NO.	APPLIED MODEL 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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		003	1	76000479			01	1105-								○																							
	2	001	1	76000791	DOWEL-PIN		02	0709-		○		○		○		○																							
	3	001	1	76000480	SPROKET-PTO DRIVE		01	0709-		○		○		○		○																							
	4	001	1	76000481	CHAIN-PTO	SELECT USE	01	0709-		○		○		○		○																							
		002	1	76000482		SELECT USE	01	0709-		○		○		○		○																							
	5	001	1	76000483	SPROKET-PTO DRIVEN		01	0709-		○		○		○		○																							
	6	001	1	76000484	BEARING-SPROKET PTO,DRIVEN		02	0709-		○		○		○		○																							
	7	001	1	76000523	SEAL-OIL,CRANKSHAFT FRONT		01	0709-		○		○		○		○																							
	8	001	1	76000398	DOWEL		01	0709-		○		○		○		○																							
	9	001	1	76000494	HOUSING-TIMING CHAIN		01	0709-		○		○		○		○																							
	10	001	1	76000796	GASKET-LIQUID		AR	0709-		○		○		○		○																							
	11	001	1	76000521	COVER-FRONT		01	0709-1102		○		○		○		○																							
		002	1	76000522			01	1102-		○		○		○		○																							
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	13	001	1	76000522	COVER-FRONT		01	0709-1102		○		○		○		○																							

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SEC. 140
MANIFOLD

[200709-]



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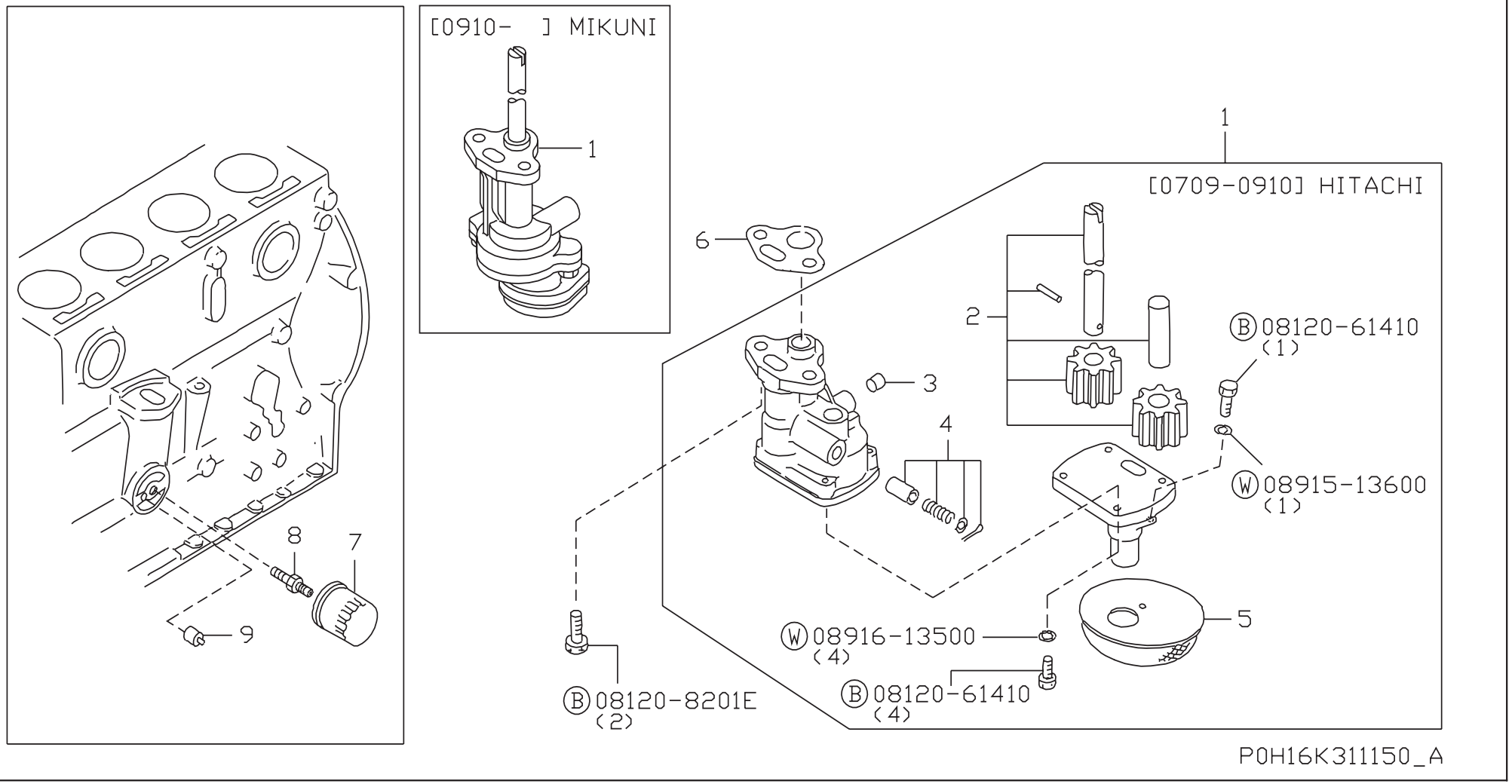
SEC. 140
MANIFOLD

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL																														
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										01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	1	001	1	76000524	MANIFOLD ASSY-INTAKE		01	0709-			○		○		○		○																							
	2	001	1	76000537	CONNECTOR-WATER		01	0709-			○		○		○																								
	3	001	1	76000788	CONNECTOR-WATER		01	0709-			○		○		○		○																							
	4	001	1	76000543	CONNECTOR-VACUUM		01	0709-			○		○		○		○																							
	5	001	1	76000525	MANIFOLD-EXHAUST		01	0709-			○		○		○		○																							
	6	001	1	76000526	GASKET-MANIFOLD		01	0709-			○		○		○		○																							
	7	001	1	76000527	YOKE-FIX,MANIFOLD		06	0709-			○		○		○		○																							
	8	001	1	76000541	NUT-LOCK		04	0709-			○		○		○		○																							

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SEC. 150
LUBRICATING SYSTEM

[200709-]



https://truckmanualshub.com/

SEC. 150
LUBRICATING SYSTEM

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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	1 001	1	76000546	PUMP ASSY-OIL		01	0709-0910			○		○		○		○																								
	002	1	76000547			01	0910-		70 76000546	○		○		○		○																								
	2 001	2	76000548	SHAFT ASSY-OIL PUMP		01	0710-0910			○		○		○		○																								
	3 001	2	76000409	PLUG-OIL HOLE		01	0710-0910			○		○		○		○																								
	4 001	2	76000551	VALVE ASSY-OIL REGULATOR		01	0710-0910			○		○		○		○																								
	5 001	2	76000549	STRAINER-OIL		01	0710-0910			○		○		○		○																								
	6 001	1	76000550	GASKET-OIL PUMP		01	0709-			○		○		○		○																								
	7 001	1	76000552	FILTER ASSY-OIL		01	0709-			○		○		○		○																								
	8 001	1	76000553	STUD-OIL FILTER		01	0709-			○		○		○		○																								
	9 001	1	76000554	VALVE ASSY-RELIEF		01	0709-			○		○		○		○																								

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NOTE

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GROUP INDEX

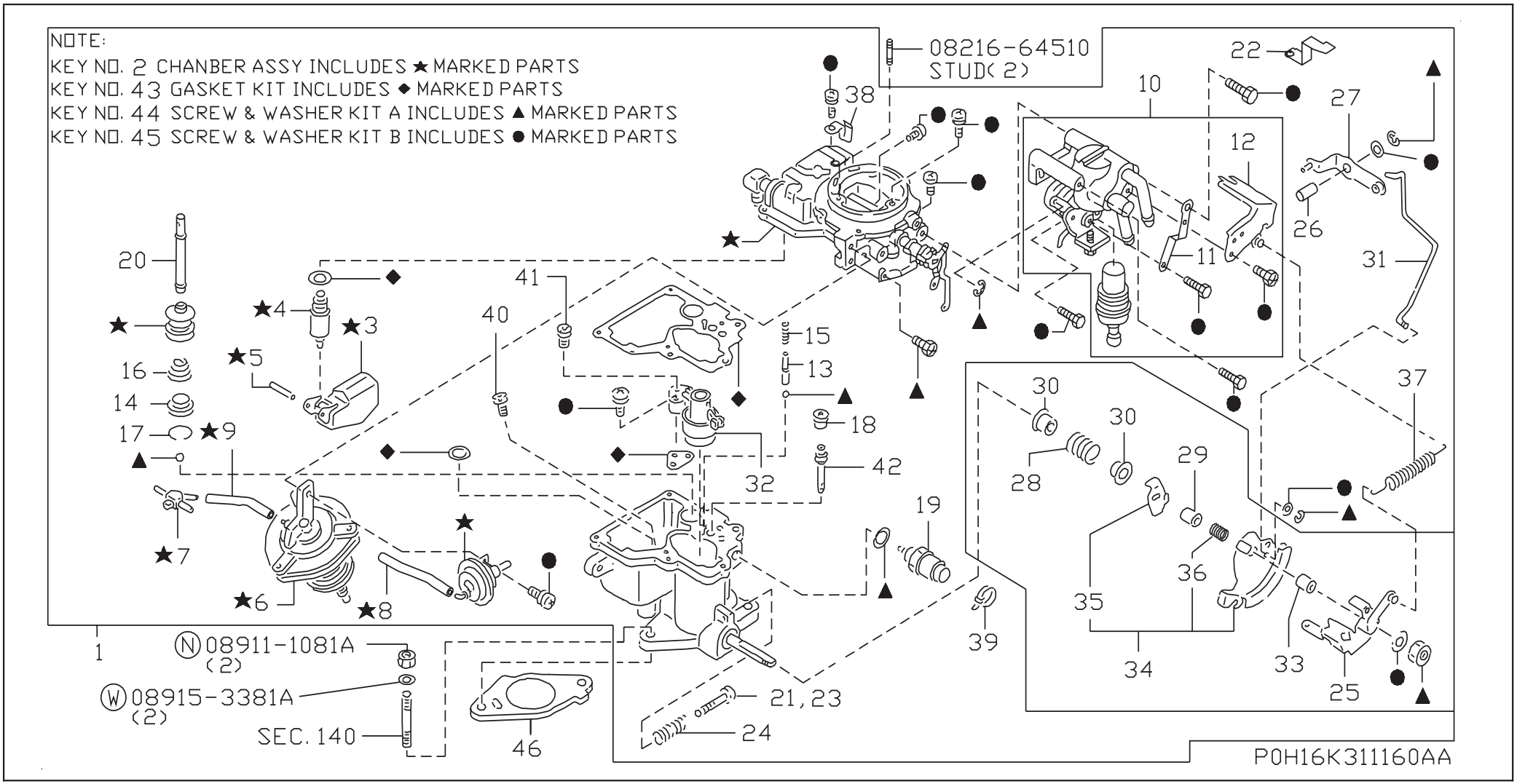
FUEL, ENGINE & MOTOR CONTROL

SEC. NO.	SECTION NAME	PAGE NO.
160A	CARBURETOR(GAS)	30
160B	CARBURETOR(LPG)	34
164	FUEL STRAINER & FUEL HOSE	36
165	AIR CLEANER	38
170	FUEL PUMP	40
191	GOVERNOR	42
195	VAPORIZER	44

https://truckmanualshub.com/

SEC. 160A
CARBURETOR
(GAS)

[200709-]



https://truckmanualshub.com/

SEC. 160A
CARBURETOR
(GAS)

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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	002	1	76000558			01	0709-					○		○																										
	2 001	2	76000619	CHAMBER ASSY-CHOKE		01	0709-			○																														
	002	2	76000620			01	0709-					○		○																										
	3 001	3	76000567	FLOAT		01	0709-			○		○		○																										
	4 001	3	76000571	VALVE-NEEDLE		01	0709-			○		○		○																										
	5 001	3	76000666	PIN-FLOAT		01	0709-			○		○		○																										
	6 001	3	76000639	CHAMBER ASSY-DIRPHRAM		01	0709-			○																														
	002	3	76000637			01	0709-					○		○																										
	7 001	3	76000621	PIPE-RUBBER		01	0709-			○		○		○																										
	8 001	3	76000660	HOSE-VACUUM		01	0709-			○		○		○																										
	9 001	3	76000661	HOSE-VACUUM		01	0709-			○		○		○																										
	10 001	2	76000636	ELEMENT KIT-THERMO		01	0709-			○		○		○																										
	11 001	3	76000615	SPACER-ADAPTOR		01	0709-			○		○		○																										
	12 001	3	76000600	BRACKET-ACCEL WIRE		01	0709-			○		○		○																										
	13 001	2	76000569	WEIGHT-INJECTOR PUMP		01	0709-			○		○		○																										
	14 001	2	76000616	STRAINER		01	0709-			○		○		○																										
	15 001	2	76000568	SPRING-INJECTOR		01	0709-			○		○		○																										
	16 001	2	76000592	SPRING-RETURN		01	0709-			○		○		○																										
	17 001	2	76000594	CLIP		01	0709-			○		○		○																										
	18 001	2	76000625	VALVE-SOLENOID,MAIN CUT		01	0709-			○		○		○																										
	19 001	2	76000608	VALVE-SOLENOID,ANTI DIESL		01	0709-			○		○		○																										
	20 001	2	76000593	PISTON-ACCEL		01	0709-			○		○		○																										
	21 001	2	76000588	SCREW-IDLE ADJUST		01	0709-			○		○		○																										
	22 001	2	76000570	PLATE-STOPPING		01	0709-			○		○		○																										
	23 001	2	76000589	SCREW-IDLE ADJUST		01	0709-			○		○		○																										
	24 001	2	76000591	SPRING-IDLE ADJUST SCREW		01	0709-			○		○		○																										
	25 001	2	76000618	LEVER-OPENER		01	0709-			○		○		○																										
	26 001	2	76000610	COLLAR		01	0709-			○		○		○																										
	27 001	2	76000627	LEVER-PUMP		01	0709-			○																														
	002	2	76000626			01	0709-					○		○																										
	28 001	2	76000595	SPRING-THROTTLE RETURN		01	0709-			○		○		○																										
	29 001	2	76000613	COLLAR		01	0709-			○		○		○																										
	30 001	2	76000574	SLEEVE		02	0709-			○		○		○																										
	31 001	2	76000587	ROD-PUMP		01	0709-			○																														
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	32 001	2	76000559	VENTURI-SMALL		01	0709-			○		○		○																										
	33 001	2	76000575	SLEEVE		01	0709-			○		○		○																										
	34 001	2	76000583	LEVER-THROTTLE		01	0709-			○		○		○																										
	35 001	3	76000614	LEVER-1ST ADJUST		01	0709-			○		○		○																										

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SEC. 160A
CARBURETOR
(GAS)

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICA NF	FORMER PART NO.	APPLIED MODEL 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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	36 001	3	76000607	SPRING-THROTTLE ADJUST SCREW		01	0709-			○		○		○																								
	37 001	2	76000598	SPRING-THROTTLE RETURN		01	0709-			○		○		○																								
	38 001	2	76000605	HOLDER		01	0709-			○		○		○																								
	39 001	2	76000584	CLAMP		01	0709-			○		○		○																								
	40 001	2	76000562	JET-MAIN		01	0709-			○																												
	002	2	76000563			01	0709-					○		○																								
	41 001	2	76000564	BLEED-MAIN AIR		01	0709-			○		○		○																								
	42 001	2	76000565	JET-SLOW		01	0709-			○																												
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	43 001	2	76000655	GASKET SET		01	0709-			○		○		○																								
	44 001	2	76000656	SCREW & WASHER KIT-A		01	0709-			○		○		○																								
	45 001	2	76000659	SCREW & WASHER KIT-B		01	0709-			○		○		○																								
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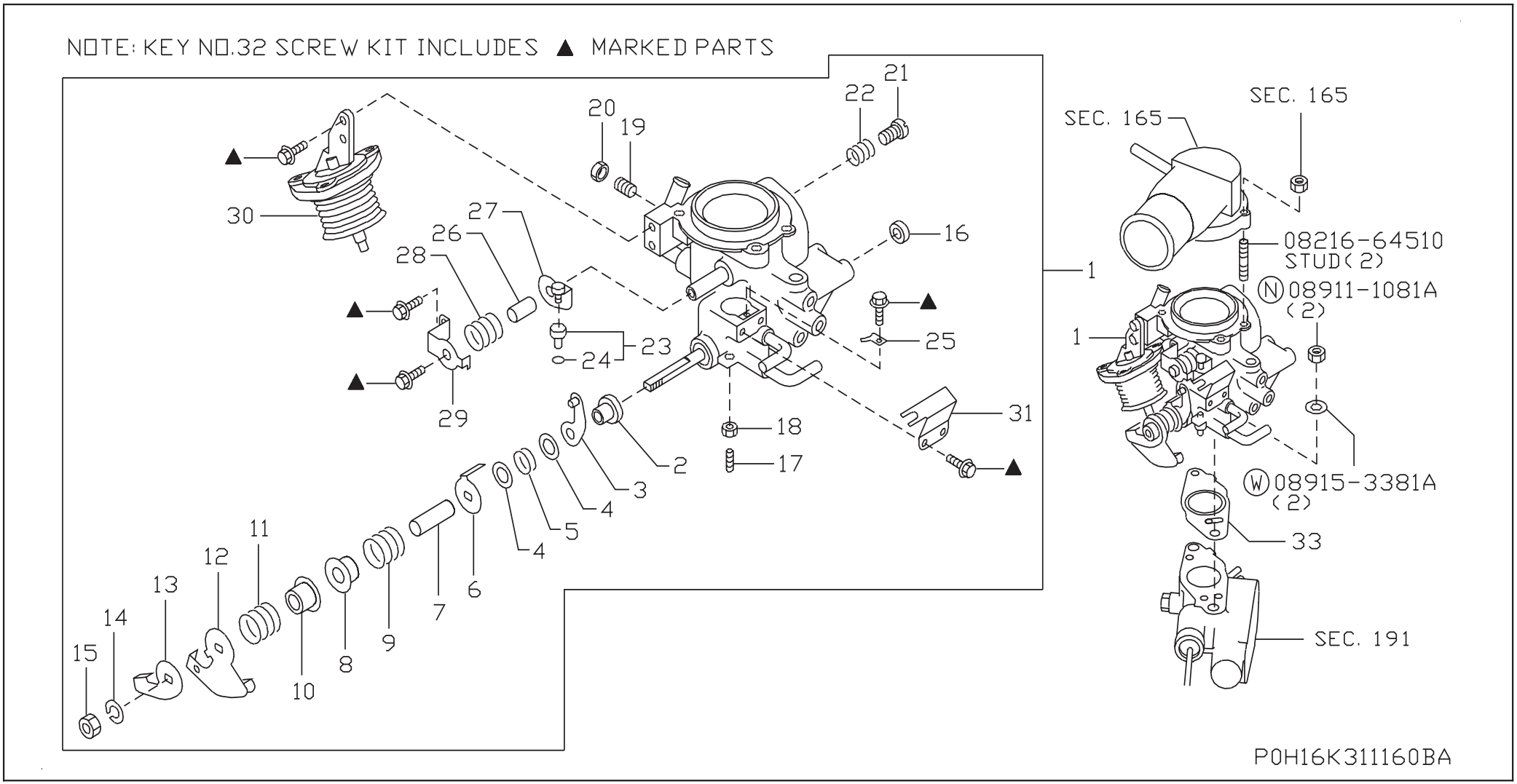
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NOTE

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SEC. 160B
CARBURETOR
(LPG)

[201105-]



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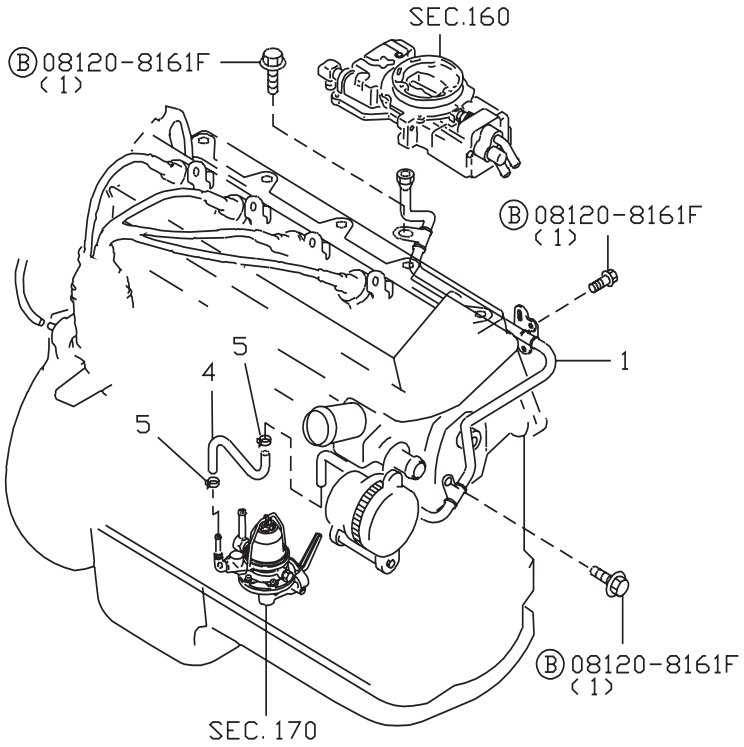
SEC. 160B
CARBURETOR
(LPG)

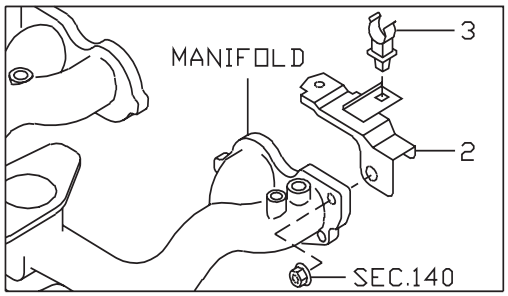
S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
										100001 GR81A		100001 GR91A		100001 GR91B		100001 GR94A																								
	1	001	1	76000556	MIXER ASSY-LPG		01	1105-								○																							
	2	001	2	76000611	COLLAR		01	1105-								○																							
	3	001	2	76000624	LEVER-2ND THROTTLE		01	1105-								○																							
	4	001	2	76000644	RETAINER-SPRING		02	1105-								○																							
	5	001	2	76000667	SPRING-RETURN		01	1105-								○																							
	6	001	2	76000623	LEVER-1ST THROTTLE		01	1105-								○																							
	7	001	2	76000612	COLLAR		01	1105-								○																							
	8	001	2	76000645	RETAINER-SPRING		02	1105-								○																							
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	13	001	2	76000617	LEVER-OPENER		01	1105-								○																							
	14	001	2	76000561	WASHER		01	1105-								○																							
	15	001	2	76000581	NUT		01	1105-								○																							
	16	001	2	76000632	SEAL		01	1105-								○																							
	17	001	2	76000542	STOPPEER-POWER VALVE		01	1105-								○																							
	18	001	2	76000576	NUT		01	1105-								○																							
	19	001	2	76000572	SCREW-ADJUST		01	1105-								○																							
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	21	001	2	76000573	SCREW-ADJUST		01	1105-								○																							
	22	001	2	76000606	SPRING-THROTTLE ADJUST SCREW		01	1105-								○																							
	23	001	2	76000579	CAM-FAST IDLE		01	1105-								○																							
	24	001	3	76000631	SEAL-O RING		01	1105-								○																							
	25	001	2	76000560	STOPPER		01	1105-								○																							
	26	001	2	76000633	SEAT-VALVE		01	1105-								○																							
	27	001	2	76000578	CAM-FAST IDLE		01	1105-								○																							
	28	001	2	76000634	SPRING-CAM		01	1105-								○																							
	29	001	2	76000585	STOPPER-CHOKE SPRING		01	1105-								○																							
	30	001	2	76000638	CHAMBER ASSY-DIRPHRAM		01	1105-								○																							
	31	001	2	76000601	BRACKET-ACCEL WIRE		01	1105-								○																							
	32	001	2	76000657	SCREW & WASHER KIT		01	1105-								○																							
	33	001	1	76000603	INSULATOR-CARB		01	1105-								○																							

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SEC. 164
FUEL STRAINER & FUEL HOSE

[200709-]





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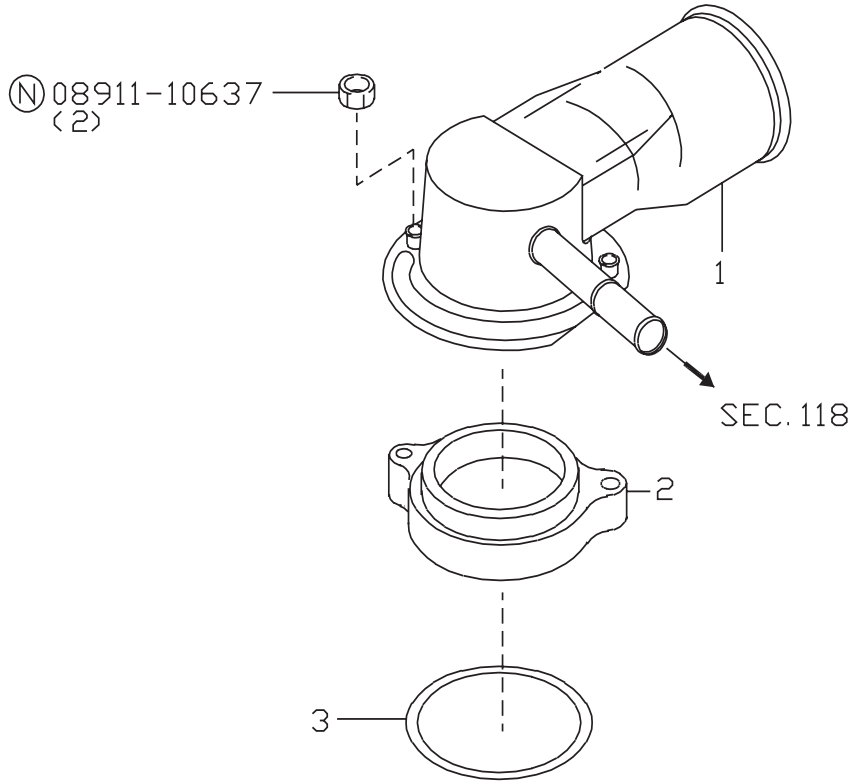
SEC. 164
FUEL STRAINER & FUEL HOSE

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
										100001 GR81A		100001 GR91A		100001 GR91B		100001 GR94A																								
	1 001	1	76000679	TUBE ASSY-FUEL		01	0709-0901			○		○		○																								
	002	1	76000680			01	0901-		20 76000679	○		○		○																								
	2 001	1	76000683	CLIP		01	0709-			○		○		○																								
	3 001	1	76000682	CLIP		01	0709-			○		○		○																								
	4 001	1	76000681	HOSE-FUEL		01	0709-			○		○		○																								
	5 001	1	76000372	CLAMP		02	0709-			○		○		○																								

https://truckmanualshub.com/

SEC. 165
AIR CLEANER

[200709-]



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https://truckmanualshub.com/

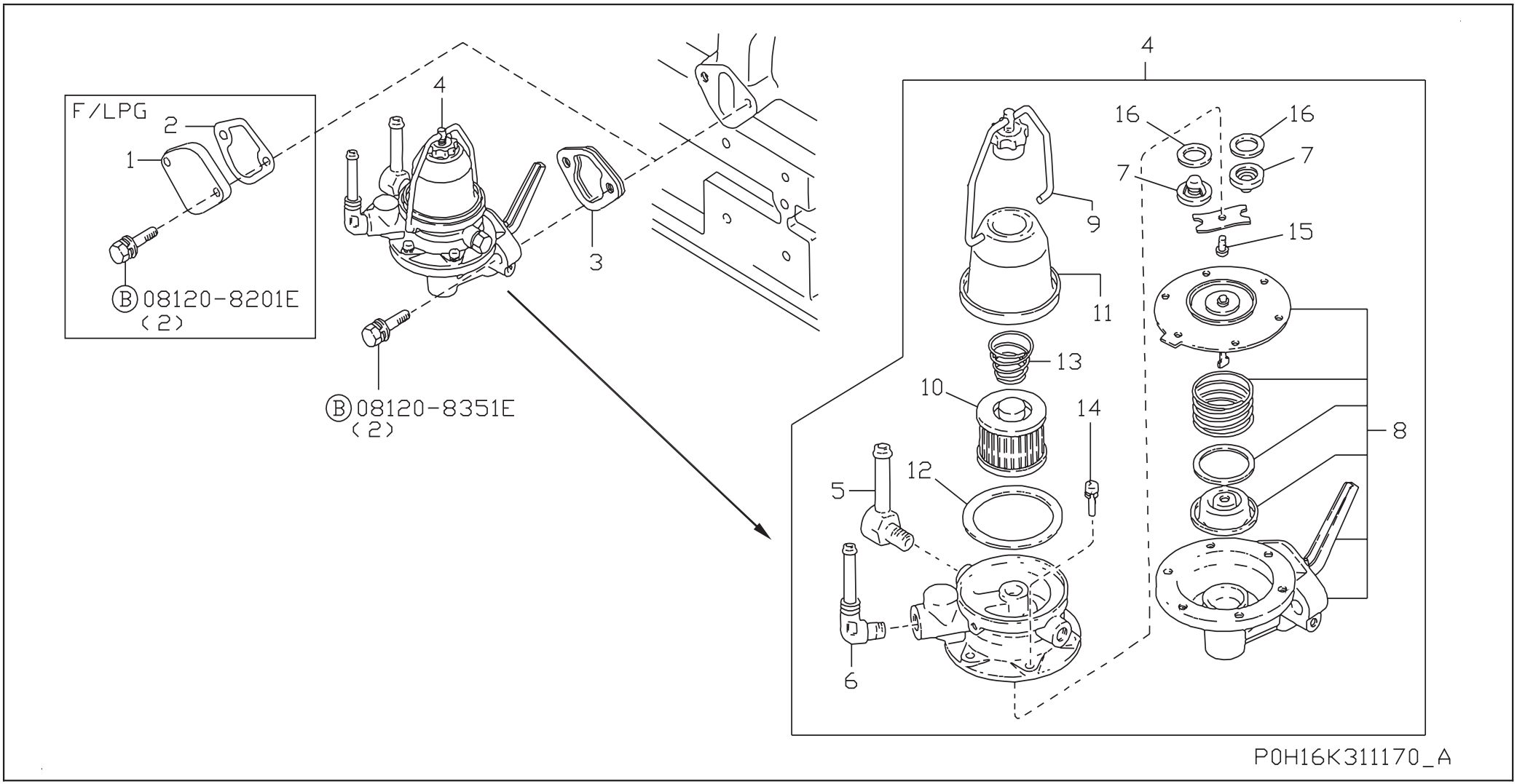
SEC. 165
AIR CLEANER

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
										100001 GR81A		100001 GR91A		100001 GR91B		100001 GR94A																								
	1 001	1	76000622	HORN-AIR,CARBURETOR		01	0709-			○		○		○		○																								
	2 001	1	76000663	SPACER-AIR HORN		01	0709-0803			○		○		○		○																								
	002	1	76000664			01	0803-			○		○		○		○																								
	3 001	1	76000662	SEAL-O RING		01	0709-			○		○		○		○																								

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SEC. 170
FUEL PUMP

[200709-]



https://truckmanualshub.com/

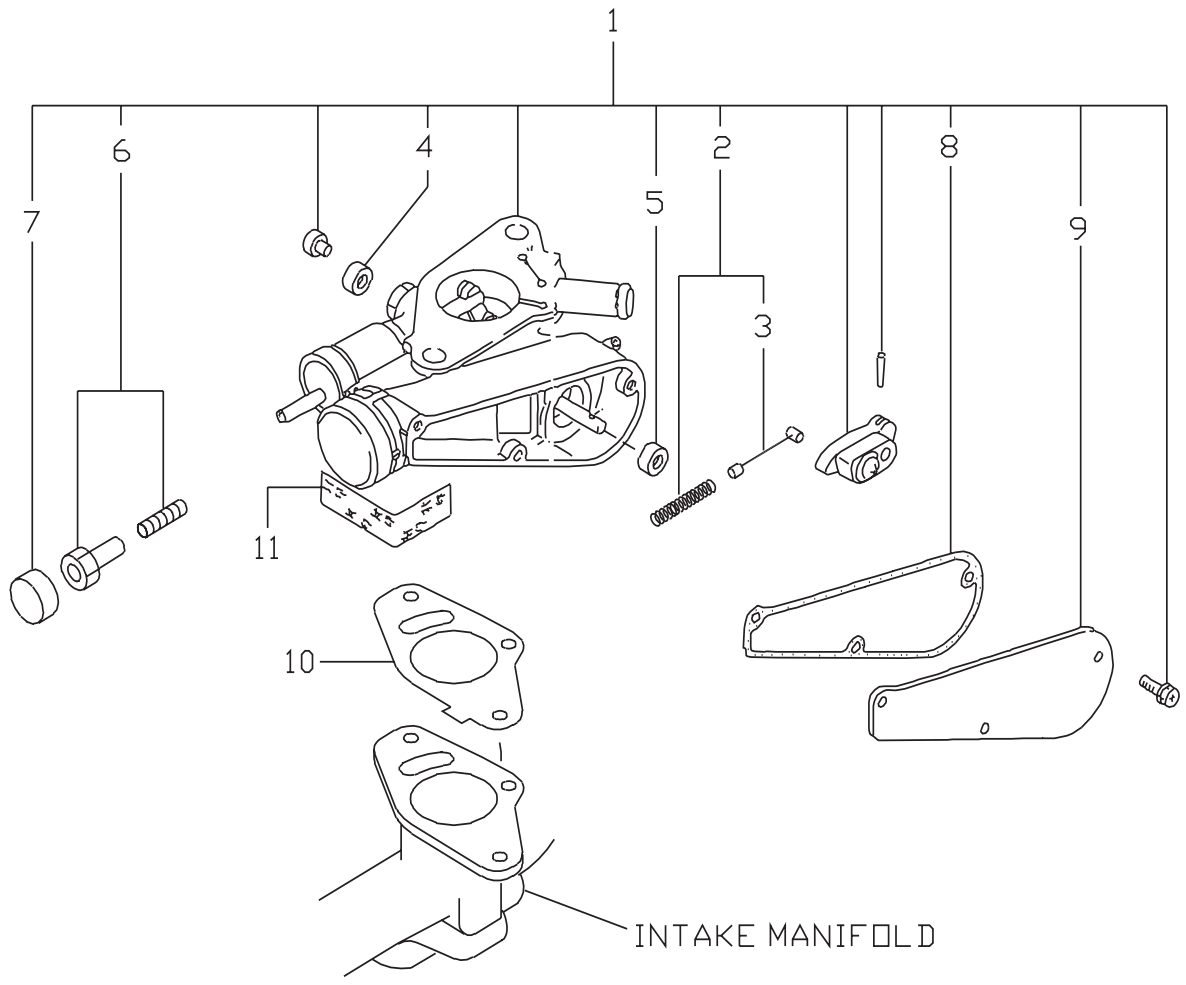
SEC. 170
FUEL PUMP

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL 10001 GR81A		10001 GR91A		10001 GR91B		10001 GR94A																										
										01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	1 001	1	76000648	COVER-PLATE,FUEL PUMP		01	1105-									○																								
	2 001	1	76000675	GASKET-FUEL PUMP		01	1105-									○																								
	3 001	1	76000647	SPACER-FUEL PUMP		01	0709-			○		○		○																									
	4 001	1	76000669	PUMP ASSY-FUEL		01	0709-			○		○		○																									
	5 001	2	76000676	CONNECTOR-ELBOW		01	0709-			○		○		○																									
	6 001	2	76000677	CONNECTOR-ELBOW		01	0709-			○		○		○																									
	7 001	2	76000672	VALVE ASSY		02	0709-			○		○		○																									
	8 001	2	76000670	BODY COMPL-LOWER		01	0709-			○		○		○																									
	9 001	2	76000654	BAIL ASSY-BALL		01	0709-			○		○		○																									
	10 001	2	76000641	ELEMENT-FUEL		01	0709-			○		○		○																									
	11 001	2	76000640	GLASS-BOWL		01	0709-			○		○		○																									
	12 001	2	76000643	SEAL-O RING		01	0709-			○		○		○																									
	13 001	2	76000642	SPRING SET-ELEMENT		01	0709-			○		○		○																									
	14 001	2	76000674	SCREW		06	0709-			○		○		○																									
	15 001	2	76000673	SCREW-VALVE RETAINER		01	0709-			○		○		○																									
	16 001	2	76000671	GASKET-VALVE		02	0709-			○		○		○																									

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SEC. 191
GOVERNOR

[200709-]



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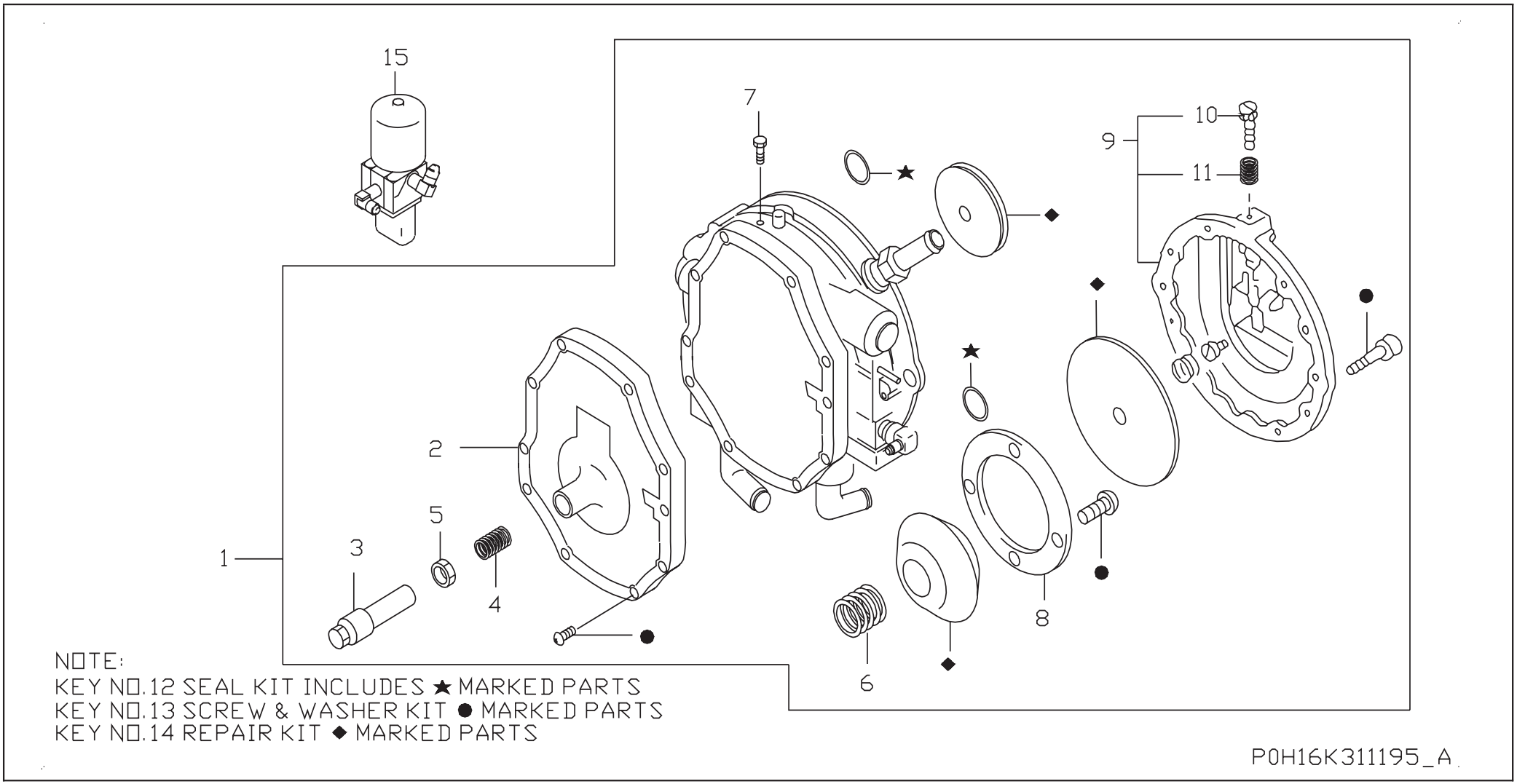
SEC. 191
GOVERNOR

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
										100001 GR81A		100001 GR91A		100001 GR91B		100001 GR94A																								
	1 001	1	76000694	GOVERNOR ASSY-PNEUMATIC		01	0709-			○																													
	002	1	76000696			01	1105-									○																							
	003	1	76000695			01	0709-					○		○																									
	2 001	2	76000698	BAND ASSY-CAM		01	0709-			○																													
	002	2	76000699			01	0709-					○		○		○																							
	3 001	3	76000697	WIRE-CAM BAND		01	0709-			○		○		○		○																							
	4 001	2	76000701	BEARING-BALL		01	0709-			○		○		○		○																							
	5 001	2	76000702	BEARING-BALL		01	0709-			○						○																							
	002	2				01	0709-					○		○																									
	6 001	2	76000704	SCREW-ADJUSTER		01	0709-			○		○		○		○																							
	7 001	2	76000700	CAP-GOVERNOR		01	0709-			○		○		○		○																							
	8 001	2	76000705	GASKET		01	0709-			○		○		○		○																							
	9 001	2	76000703	COVER-GOVERNOR		01	0709-			○		○		○		○																							
	10 001	1	76000602	INSULATOR-GOVERNOR		01	0709-			○		○		○		○																							
	11 001	1	76000725	SEAL-GOVERNOR		01	0709-			○		○		○		○																							

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SEC. 195
VAPORIZER

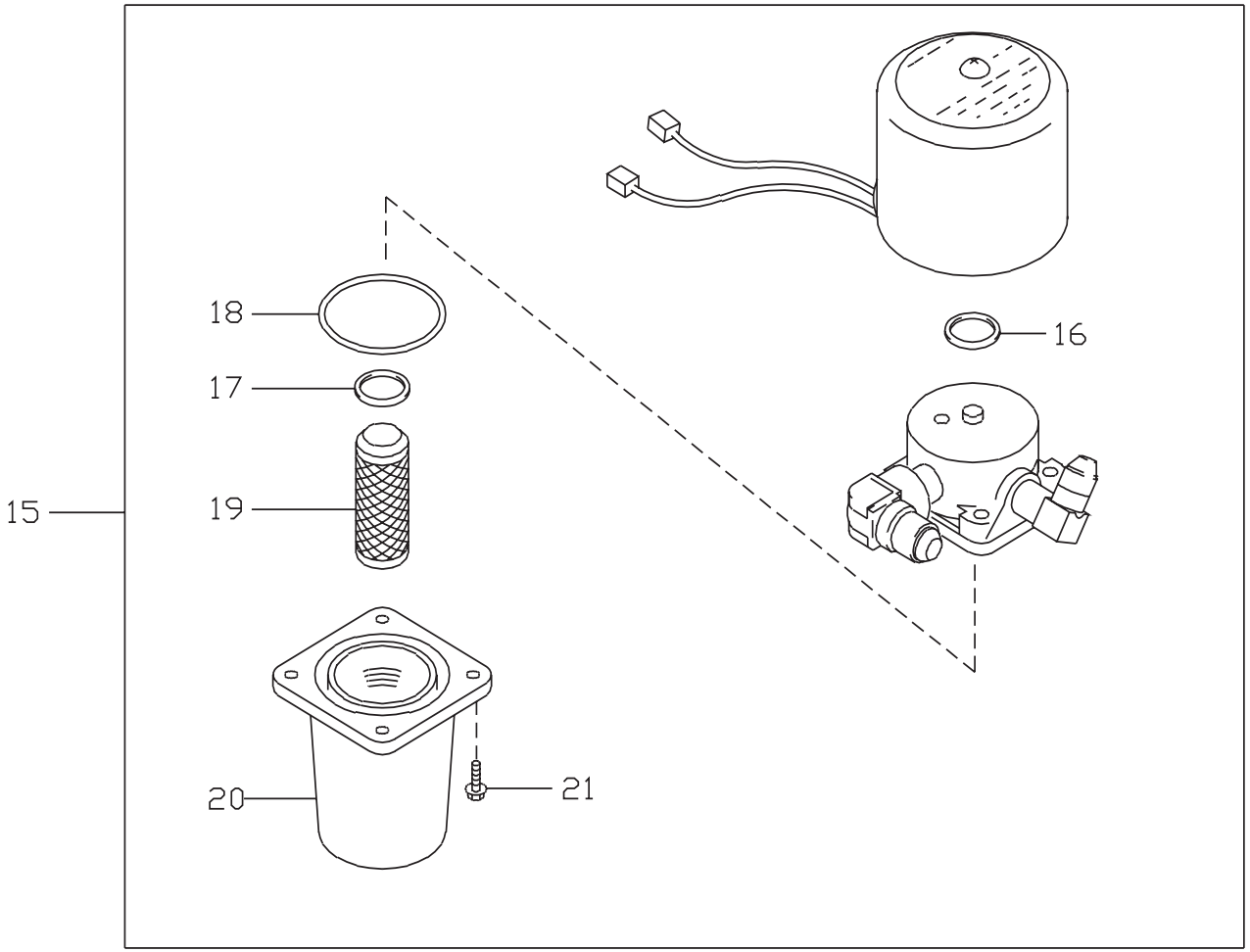
[201105-] VAPORIZER



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SEC. 195
VAPORIZER

[201105-] VALVE ASSY-SOLENOID



P0H16K311195_B

https://truckmanualshub.com/

SEC. 195
VAPORIZER

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
										100001 GR81A		100001 GR91A		100001 GR91B		100001 GR94A																								
	1	001	1	76000628	VAPORIZER ASSY-LPG		01	1105-									○																						
	2	001	2	76000690	COVER ASSY-VAPORIZER		01	1105-									○																						
	3	001	2	76000635	SCREW-ADJUST		01	1105-									○																						
	4	001	2	76000688	SPRING-1ST DIAPHRAGM		01	1105-									○																						
	5	001	2	76000609	NUT		01	1105-									○																						
	6	001	2	76000692	SPRING-VACUUM LOCK DIAPHRAGM		01	1105-									○																						
	7	001	2	76000689	PLUG		01	1105-									○																						
	8	001	2	76000693	PLATE-VACUUM LOCK		01	1105-									○																						
	9	001	2	76000691	COVER COMPL-REGULATOR		01	1105-									○																						
	10	001	3	76000685	SCREW-IDLE ADJUST		01	1105-									○																						
	11	001	3	76000590	SPRING		01	1105-									○																						
	12	001	2	76000629	SEAL KIT-O RING		01	1105-									○																						
	13	001	2	76000658	SCREW & WASHER KIT		01	1105-									○																						
	14	001	2	76000678	REPAIR KIT		01	1105-									○																						
	15	001	1	76000684	VALVE ASSY-SOLENOID,LPG		01	1105-									○																						
	16	001	2	76000687	SEAL-O RING		01	1105-									○																						
	17	001	2	76000630	SEAL-O RING		01	1105-									○																						
	18	001	2	76000686	SEAL-O RING		01	1105-									○																						
	19	001	2	76000668	FILTER		01	1105-									○																						
	20	001	2	76000577	COVER-FILTER		01	1105-									○																						
	21	001	2	76000599	BOLT		04	1105-									○																						

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GROUP INDEX

EXHAUST & COOLING

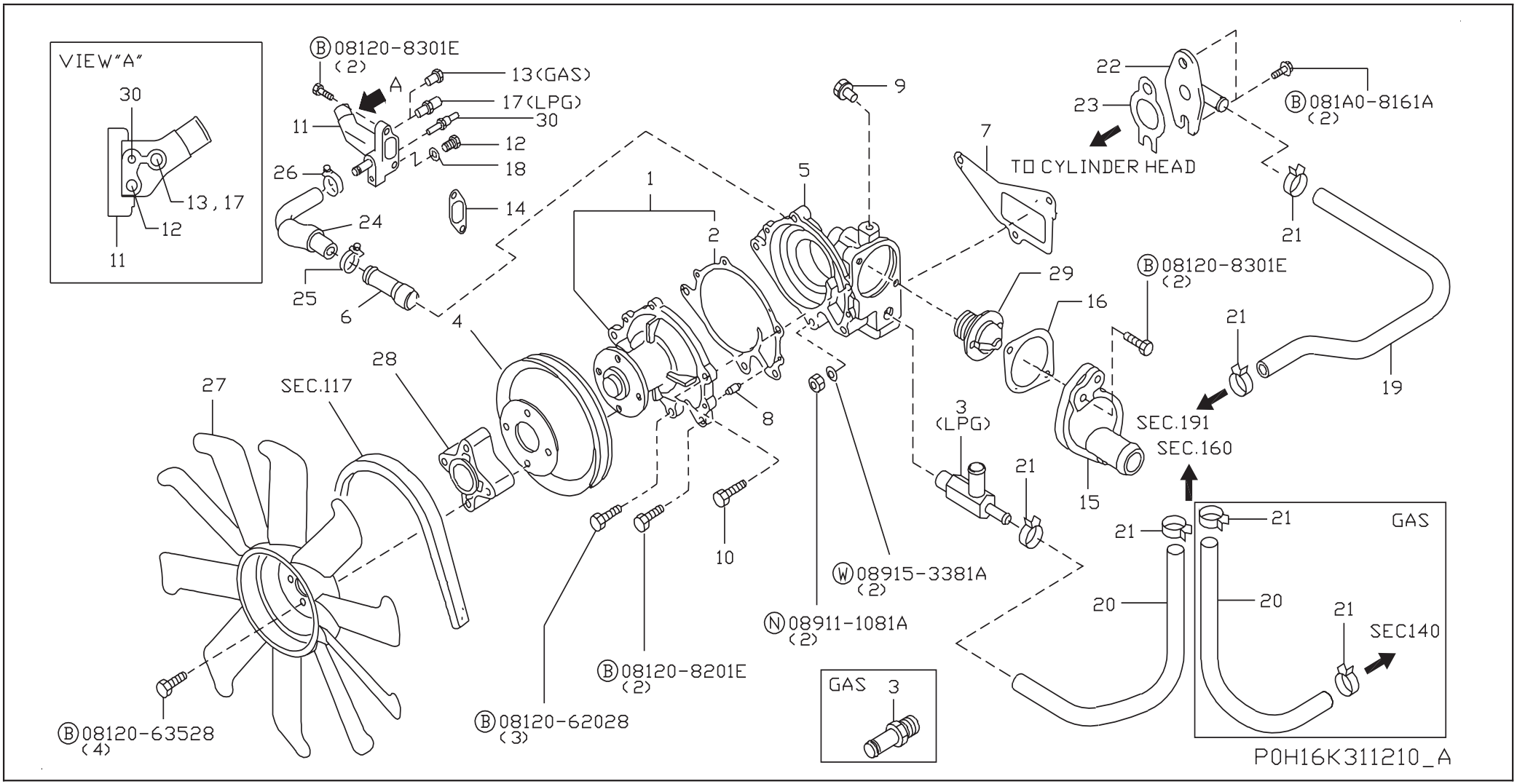
SEC. NO.	SECTION NAME	PAGE NO.
210	WATER PUMP, COOLING FAN & THERMOSTAT	48

C

https://truckmanualshub.com/

SEC. 210
WATER PUMP, COOLING FAN & THERMOSTAT

[200709-]



https://truckmanualshub.com/

SEC. 210
WATER PUMP, COOLING FAN & THERMOSTAT

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICA NF	FORMER PART NO.	APPLIED MODEL 100001 GR81A 01	02	100001 GR91A 03	04	100001 GR91B 05	06	100001 GR94A 07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	1 001	1	76000706	PUMP ASSY-WATER		01	0709-			○		○		○		○																							
	2 001	1	76000707	GASKET-WATER PUMP		01	0709-			○		○		○		○																							
	3 001	1	76000528	CONNECTOR-WATER		01	0709-			○		○		○																							
	002	1	76000539			01	1105-									○																						
	4 001	1	76000708	PULLEY-FAN & WATER PUMP		01	0709-			○		○		○		○																							
	5 001	1	76000406	HOUSING-THERMOSTAT		01	0709-			○		○		○																							
	002	1	76000405			01	1105-									○																						
	6 001	1	76000538	CONNECTOR-WATER		01	0709-			○		○		○		○																							
	7 001	1	76000410	GASKET-THERMOSTAT HOUSING		01	0709-			○		○		○		○																							
	8 001	1	76000398	DOWEL-WATER PUMP		02	0709-			○		○		○		○																							
	9 001	1	76000531	PLUG-WATER PUMP		01	0709-			○		○		○		○																							
	10 001	1	76000712	BOLT-FIX,HOUGING THERMOSTAT		01	0709-			○		○		○																							
	002	1	76000713			01	1105-									○																						
	11 001	1	76000402	INLET-WATER	SELECT USE	01	0709-			○		○		○		○																							
	002	1	76000403		SELECT USE	01	0709-			○		○		○		○																							
	12 001	1	76000529	PLUG-BLIND		01	0709-0810			○		○		○		○																							
	002	1	76000530			01	0810-	20	76000529	○		○		○		○																							
	13 001	1	76000388	CONNECTOR-WATER		01	0709-			○		○		○																							
	14 001	1	76000408	GASKET-WATER INLET		01	0709-			○		○		○		○																							
	15 001	1	76000404	OUTLET-WATER		01	0709-			○		○		○		○																							
	16 001	1	76000407	GASKET-WATER OUTLET		01	0709-			○		○		○		○																							
	17 001	1	76000373	CONNECTOR		01	1105-									○																						
	18 001	1	76000741	GASKET-WATER TEMPERATURE		01	0709-			○		○		○		○																							
				SENSOR																																		
	19 001	1	76000535	HOSE-WATER		01	0709-			○		○		○																							
	002	1	76000536			01	1105-									○																						
	20 001	1	76000534	HOSE-WATER		02	0709-			○		○		○																							
	002	1				01	1105-									○																						
	21 001	1	76000650	CLAMP-HOSE		06	0709-			○		○		○																							
	002	1				04	1105-									○																						
	22 001	1	76000532	PIPE ASSY-HEATER,FEED		01	0709-0810			○		○		○		○																							
	002	1	76000530			01	0810-	50	76000532	○		○		○		○																							
	23 001	1	76000495	GASKET-CONNECTOR,HEATER		01	0709-			○		○		○		○																							
	24 001	1	76000540	HOSE-WATER,BYPASS		01	0709-			○		○		○		○																							
	25 001	1	76000379	CLAMP-HOSE		01	0709-			○		○		○		○																							
	26 001	1	76000649	HOSE-WATER,BYPASS		01	0709-			○		○		○		○																							
	27 001	1	76000709	FAN-COOLING		01	0709-			○		○		○		○																							
	28 001	1	76000710	SPACER-FAN		01	0709-							○																							
	002	1	76000711			01	0709-			○		○				○																						
	29 001	1	76000714	THERMOSTAT ASSY		01	0709-			○		○		○		○																							

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SEC. 210
WATER PUMP, COOLING FAN & THERMOSTAT

S	KEY NO.		LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL																																	
											100001 GR811A		100001 GR911A		100001 GR911B		100001 GR944A																													
											01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	30	001	1	76000785	GAUGE - TEMPERATURE		01	0709 -			○		○		○		○																									

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GROUP INDEX

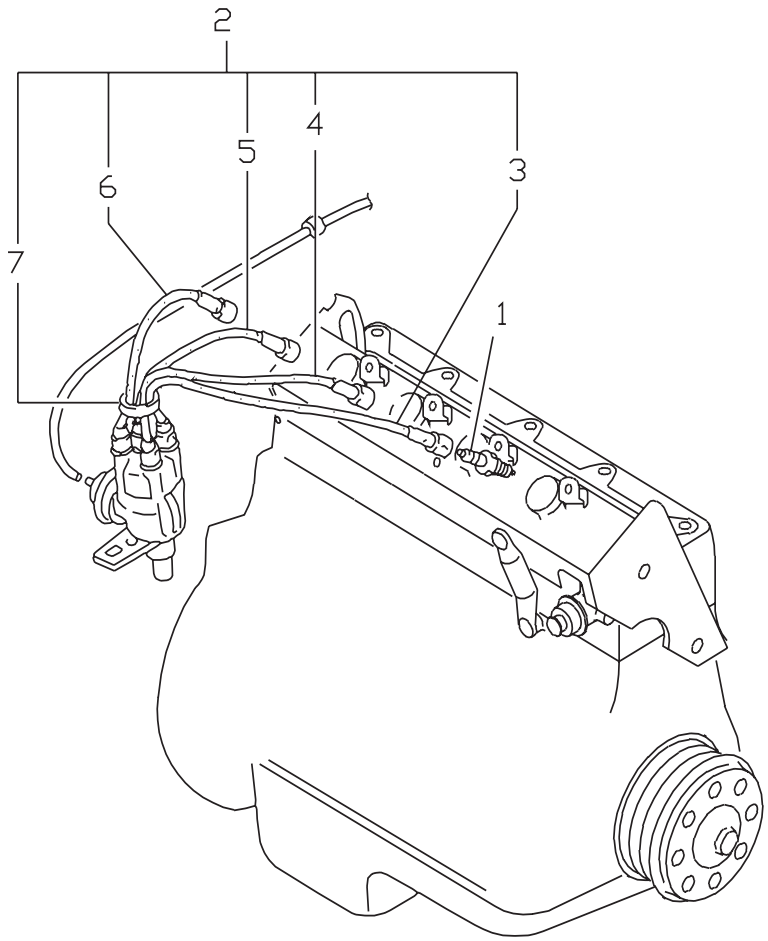
ENGINE ELECTRICAL

SEC. NO.	SECTION NAME	PAGE NO.
220	IGNITION SYSTEM	52
221	DISTRIBUTOR	54
223A	VACUUM PIPING(GAS)	56
223B	VACUUM PIPING(LPG)	58
230	ALTERNATOR FITTING	60
231	ALTERNATOR	62
233	STARTER MOTOR	64

D

https://truckmanualshub.com/

[200709-]



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https://truckmanualshub.com/

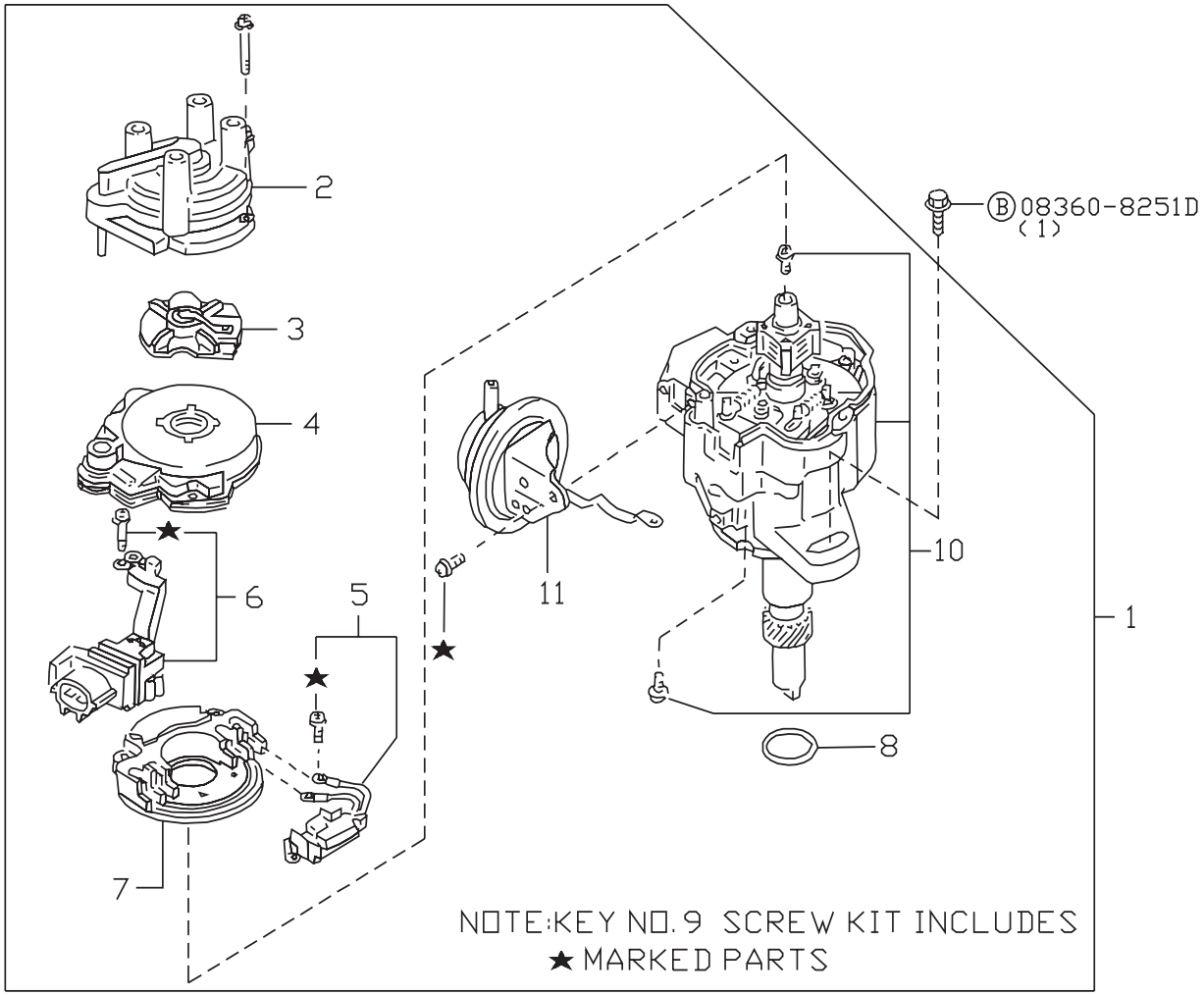
SEC. 220
IGNITION SYSTEM

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL: 100001 GR81A		100001 GR91A		100001 GR91B		100001 GR94A																										
										01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	1	001	1	76000729	PLUG-SPARK	FR2A-D	04	0709-0809			○		○		○		○																							
		002	1	76000730		FR2B-D	04	0809-	70	76000729	○		○		○		○																							
	2	001	1	76000732	CABLE SET-HIGH TENSION		01	0709-			○		○		○		○																							
	3	001	2	76000734	CABLE-HIGH TENSION,NO 1		01	0709-			○		○		○		○																							
	4	001	2	76000735	CABLE-HIGH TENSION,NO 2		01	0709-			○		○		○		○																							
	5	001	2	76000736	CABLE-HIGH TENSION,NO 3		01	0709-			○		○		○		○																							
	6	001	2	76000737	CABLE-HIGH TENSION,NO 4		01	0709-			○		○		○		○																							
	7	001	2	76000733	CLAMP-HIGH TENSION CABLE		01	0709-			○		○		○		○																							

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SEC. 221
DISTRIBUTOR

[200709-]



https://truckmanualshub.com/

SEC. 221
DISTRIBUTOR

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICA NF	FORMER PART NO.	APPLIED MODEL																														
										100001 GR81A		100001 GR91A		100001 GR91B		100001 GR94A																									
										01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	1	001	1	76000716	DISTRIBUTOR ASSY		01	0709-																															
		002	1	76000717			01	0709-				○		○		○																							
	2	001	2	76000723	CAP ASSY-DISTRIBUTOR		01	0709-		○		○		○		○																							
	3	001	2	76000722	ROTOR-HEAD		01	0709-		○		○		○		○																							
	4	001	2	76000720	COVER		01	0709-		○		○		○		○																							
	5	001	2	76000724	PICK UP KIT		01	0709-		○		○		○		○																							
	6	001	2	76000731	CONENECTOR ASSY		01	0709-		○		○		○		○																							
	7	001	2	76000715	IGNITION UNIT		01	0709-		○		○		○		○																							
	8	001	2	76000721	SEAL-O RING		01	0709-		○		○		○		○																							
	9	001	2	76000742	SCREW KIT		01	0709-		○		○		○		○																							
	10	001	2	76000718	HOUSING-SET		01	0709-		○																													
		002	2	76000719			01	0709-				○		○		○																							
	11	001	2	76000726	CONTROL ASSY-VACUUM		01	0709-		○																													
		002	2	76000727			01	0709-				○		○		○																							

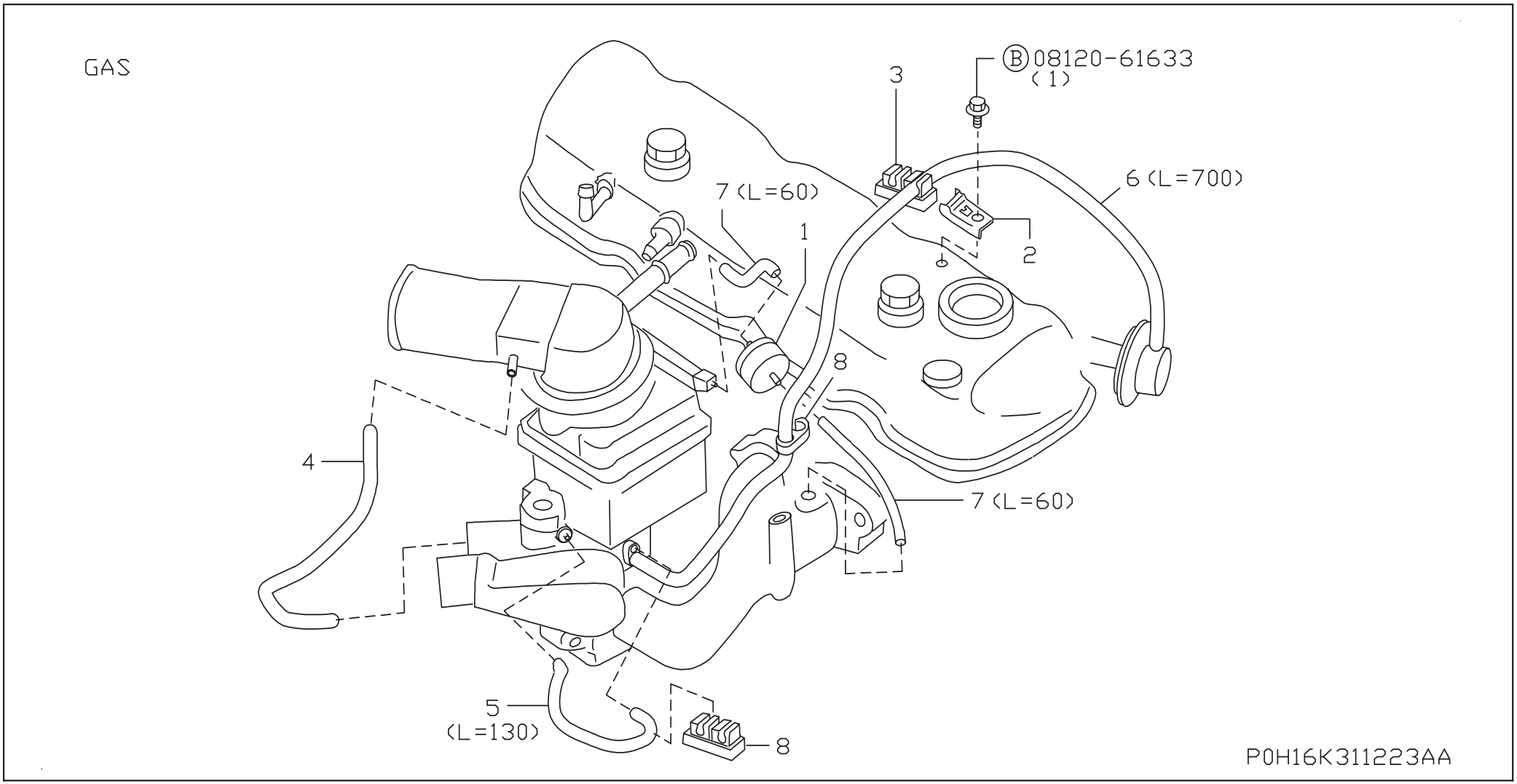
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SEC. 223A

VACUUM PIPING

(GAS)

[200709-]



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SEC. 223A
VACUUM PIPING
(GAS)

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
										100001 GR81A		100001 GR91A		100001 GR91B		100001 GR94A																								
	1	001	1	76000544	VALVE ASSY-DELAY		01	0709-			○		○		○																								
	2	001	1	76000739	BRACKET-HOSE CLAMP		01	0709-1104			○		○		○																								
		001	1	76000740			01	1104-			○		○		○																								
	3	001	1	76000738	CLAMP-HOSE		01	0709-			○		○		○																								
	4	001	1	76000728	HOSE-VACUUM CONTROL		01	0709-			○		○		○																								
	5	001	1	76000795	HOSE-VACUUM CONTROL	L=130 CUT USE	AR	0709-			○		○		○																								
	6	001	1	76000794	HOSE-VACUUM CONTROL	L=700 CUT USE	AR	0709-			○		○		○																								
	7	001	1	76000794	HOSE-VACUUM CONTROL	L=60 CUT USE	AR	0709-			○		○		○																								
	8	001	1	76000371	CLAMP		02	0709-			○		○		○																								

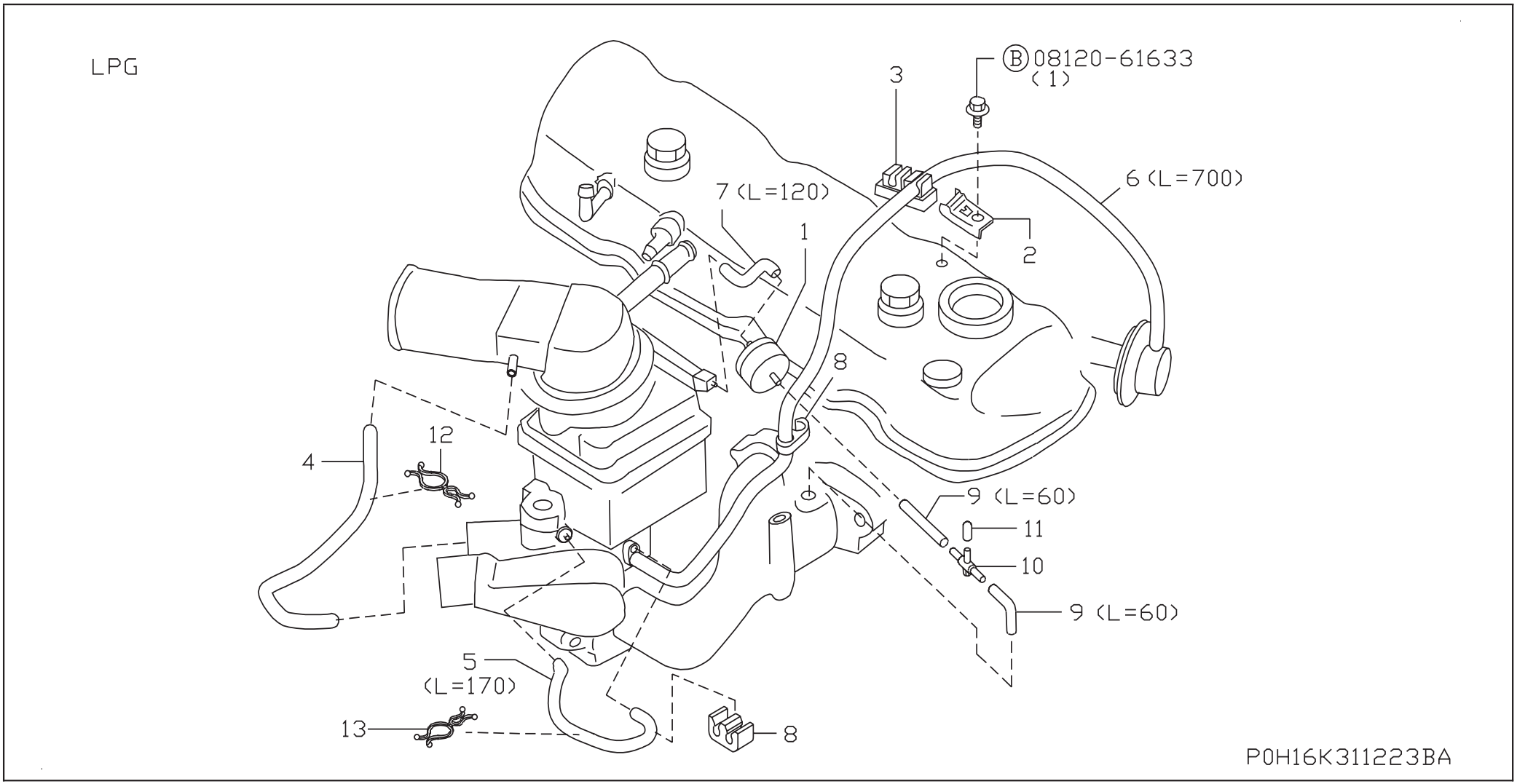
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SEC. 223B

VACUUM PIPING

(LPG)

[201105-]



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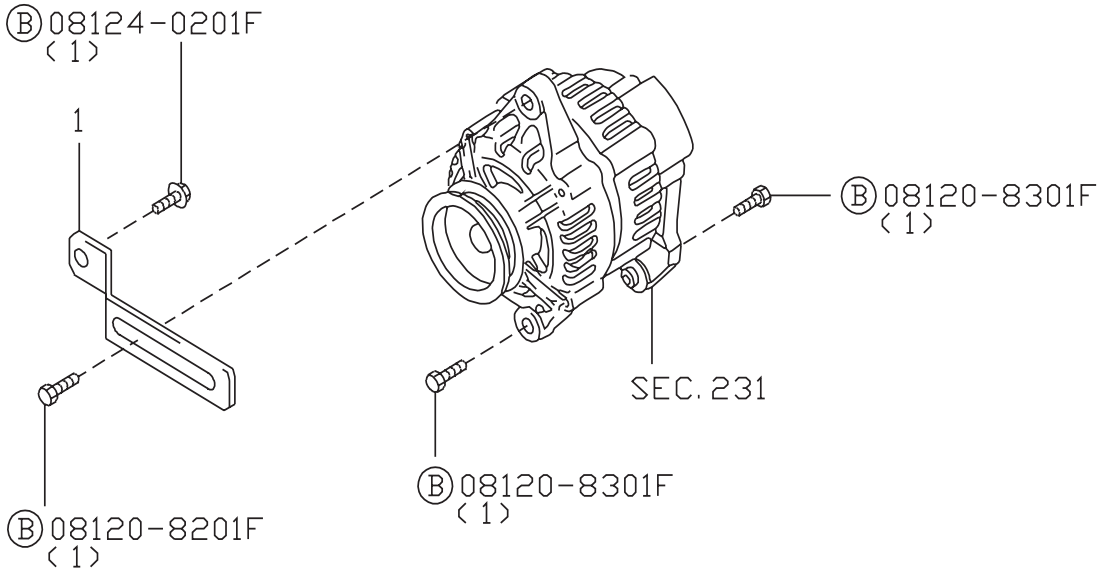
SEC. 223B
VACUUM PIPING
(LPG)

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
										100001 GR81A		100001 GR91A		100001 GR91B		100001 GR94A																								
	1	001	1	76000544	VALVE ASSY-DELAY		01	1105-									○																						
	2	001	1	76000740	BRACKET-HOSE CLAMP		01	1105-									○																						
	3	001	1	76000738	CLAMP-HOSE		01	1105-									○																						
	4	001	1	76000728	HOSE-VACUUM CONTROL		01	1105-									○																						
	5	001	1	76000795	HOSE-VACUUM CONTROL	L=170 CUT USE	AR	1105-									○																						
	6	001	1	76000794	HOSE-VACUUM CONTROL	L=700 CUT USE	AR	1105-									○																						
	7	001	1	76000794	HOSE-VACUUM CONTROL	L=120 CUT USE	AR	1105-									○																						
	8	001	1	76000371	CLAMP		02	1105-									○																						
	9	001	1	76000794	HOSE-VACUUM CONTROL	L=60 CUT USE	AR	1105-									○																						
	10	001	1	76000545	CONNECTOR-3 WAY		01	1105-									○																						
	11	001	1	76000665	CAP-CONNECTOR		01	1105-									○																						
	12	001	1	76000784	CLIP		01	1105-									○																						
	13	001	1	76000370	CLIP		01	1105-									○																						

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SEC. 230
ALTERNATOR FITTING

[200709-]



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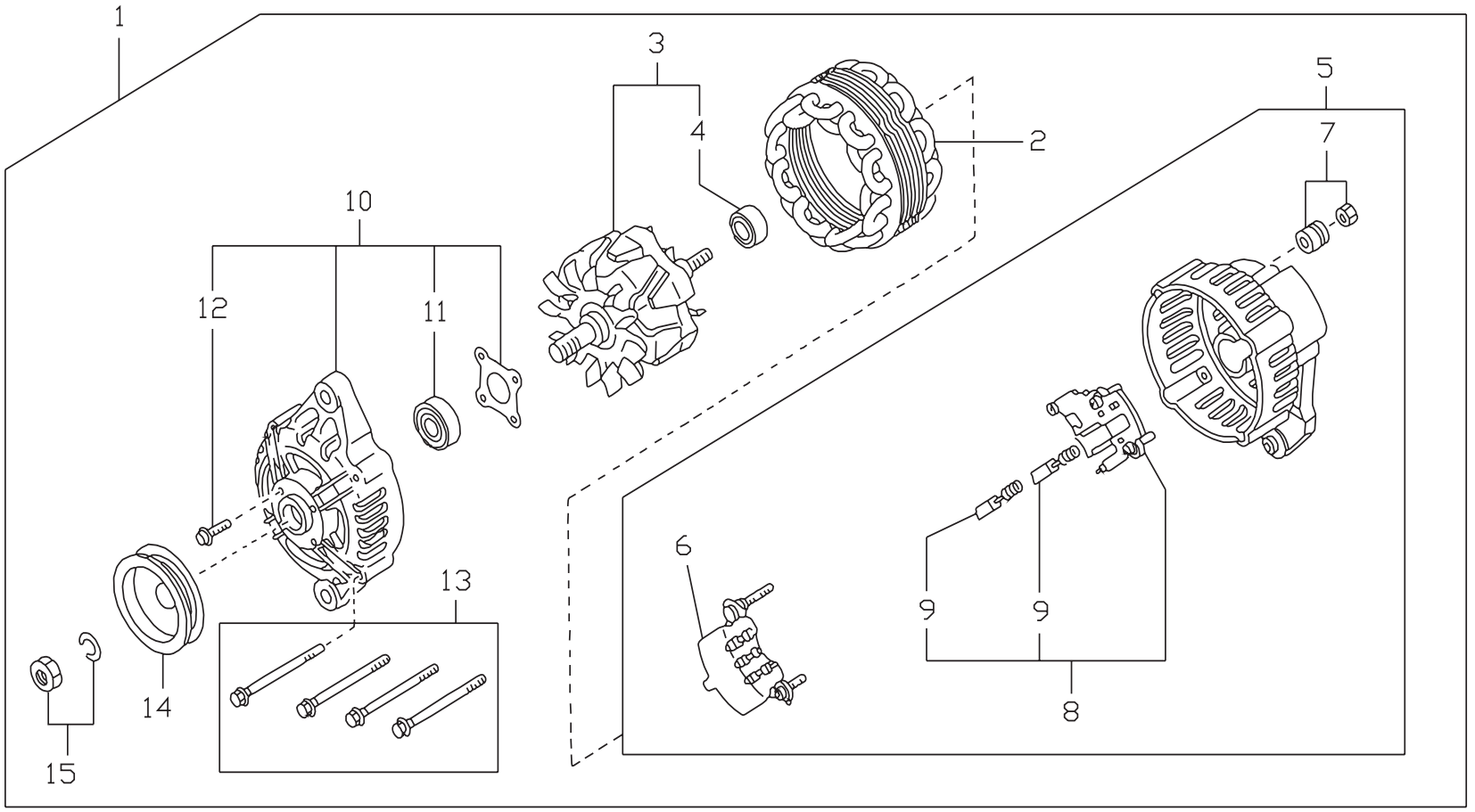
SEC. 230
ALTERNATOR FITTING

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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SEC. 231
ALTERNATOR

[200709-]



https://truckmanualshub.com/

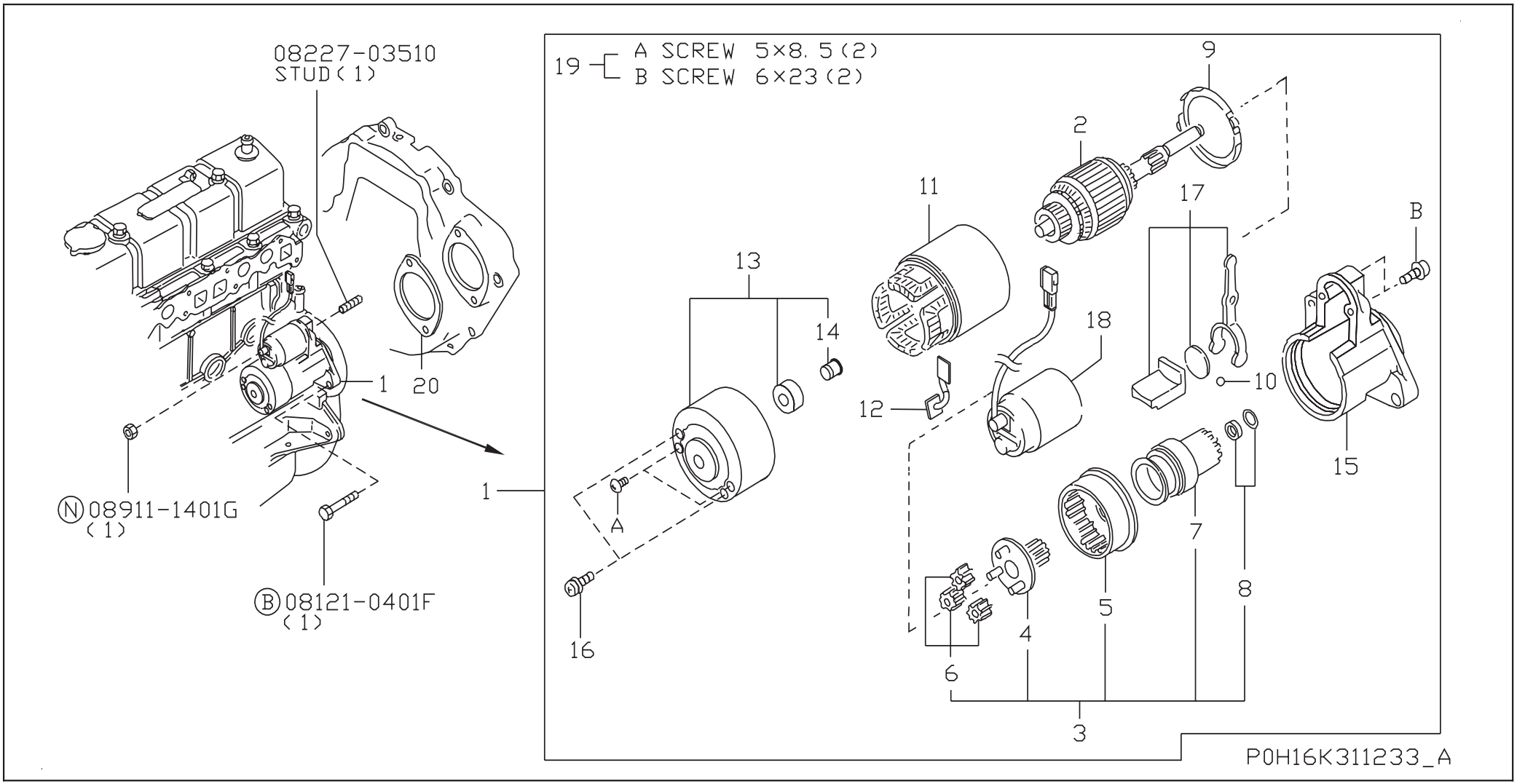
SEC. 231
ALTERNATOR

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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	1	001	1	76000743	ALTERNATOR ASSY	12V-50A	01	0709-			○		○		○		○																							
	2	001	2	76000744	STATOR ASSY		01	0709-			○		○		○		○																							
	3	001	2	76000745	ROTOR ASSY		01	0709-			○		○		○		○																							
	4	001	3	76000750	BEARING-BALL		01	0709-			○		○		○		○																							
	5	001	2	76000752	BRACKET ASSY-REAR		01	0709-			○		○		○		○																							
	6	001	3	76000751	RECTIFIRE ASSY		01	0709-			○		○		○		○																							
	7	001	3	76000757	NUT-SET		01	0709-			○		○		○		○																							
	8	001	3	76000758	REGULATOR ASSY-IC		01	0709-			○		○		○		○																							
	9	001	4	76000754	BRUSH SET		02	0709-			○		○		○		○																							
	10	001	2	76000748	BRACKET ASSY-FRONT		01	0709-			○		○		○		○																							
	11	001	3	76000749	BEARING-BALL		01	0709-			○		○		○		○																							
	12	001	3	76000747	SCREW SET		01	0709-			○		○		○		○																							
	13	001	2	76000753	BOLT-THROUGH		01	0709-			○		○		○		○																							
	14	001	2	76000755	PULLEY ASSY		01	0709-			○		○		○		○																							
	15	001	2	76000756	NUT-PULLEY		01	0709-			○		○		○		○																							

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SEC. 233
STARTER MOTOR

[200709-]



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SEC. 233
STARTER MOTOR

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICA NF	FORMER PART NO.	APPLIED MODEL 01 100001 GR81A	02	03 100001 GR91A	04	05 100001 GR91B	06	07 100001 GR94A	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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	2 001	2	76000761	ARMATURE ASSY-STARTER		01	0709-			○		○		○		○																						
	3 001	2	76000762	SHAFT ASSY-CLUTCH GEAR		01	0709-			○		○		○		○																						
	4 001	3	76000763	PINION ASSY-ARMATURE		01	0709-			○		○		○		○																						
	5 001	3	76000775	GEAR ASSY-INTERNAL		01	0709-			○		○		○		○																						
	6 001	3	76000776	GEAR		03	0709-			○		○		○		○																						
	7 001	3	76000774	GEAR ASSY-CLUTCH		01	0709-			○		○		○		○																						
	8 001	3	76000779	STOPPER SET-PINION		01	0709-			○		○		○		○																						
	9 001	2	76000778	PACKING		01	0709-			○		○		○		○																						
	10 001	2	76000766	BALL		01	0709-			○		○		○		○																						
	11 001	2	76000760	YOKE ASSY		01	0709-			○		○		○		○																						
	12 001	2	76000777	BRUSH SET		01	0709-			○		○		○		○																						
	13 001	2	76000767	COVER ASSY-REAR		01	0709-0802			○		○		○		○																						
	002	2	76000768			01	0802-			○		○		○		○																						
	14 001	3	76000769	METAL-REAR COVER		01	0709-			○		○		○		○																						
	15 001	2	76000764	CASE ASSY-GEAR		01	0709-			○		○		○		○																						
	16 001	2	76000770	BOLT-THROUGH		02	0709-0802			○		○		○		○																						
	002	2	76000771			02	0802-	20	76000770	○		○		○		○																						
	17 001	2	76000765	LEVER SET-SHIFT		01	0709-			○		○		○		○																						
	18 001	2	76000772	SWITCH ASSY-MAGNETIC		01	0709-0802			○		○		○		○																						
	002	2	76000773			01	0802-	20	76000772	○		○		○		○																						
	19 001	2	76000781	SCREW SET		01	0709-0802			○		○		○		○																						
	002	2	76000780			01	0802-	20	76000781	○		○		○		○																						
	20 001	1	76000746	SPACER-STARTER MOTOR		01	0709-			○		○		○		○																						

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NOTE

https://truckmanualshub.com/

GROUP INDEX

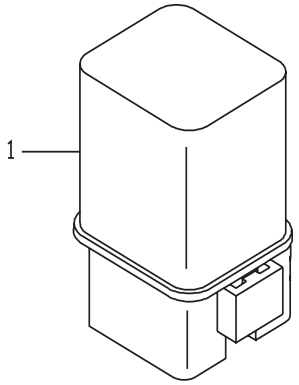
BODY ELECTRICAL

SEC. NO.	SECTION NAME	PAGE NO.
253	ELECTRICAL UNIT	68

E

https://truckmanualshub.com/

[200709-]



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https://truckmanualshub.com/

SEC. 253
ELECTRICAL UNIT

S	KEY NO.	LEV	PART NO.	PART NAME	SPECIFICATION	QTY	APPLIED DATE	ICANF	FORMER PART NO.	APPLIED MODEL 01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
										100001 GR811A		100001 GR911A		100001 GR911B		100001 GR944A																								
	1	001	1	76000786	RELAY ASSY	1T	01	0709-				○				○																								

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NOTE

https://truckmanualshub.com/

ALPHABETICAL PART NAME INDEX

https://truckmanualshub.com/

ALPHABETICAL PART NAME INDEX

PART NAME	SEC.NO.	PAGE
A		
ARMATURE ASSY-STARTER	233	65
B		
BAIL ASSY-BALL	170	41
BALL	233	65
BAND ASSY-CAM	191	43
BAR-ADJUSTING,ALTERNATOR	230	61
BEARING,MAIN INTER	120	17
BEARING-BALL	120	18
	191	43
	231	63
BEARING-CONNECTING ROD	120	17
BEARING-MAIN,CENTER	120	18
BEARING-SPROKET PTO,DRIVEN	135	23
BELT-FAN	117	13
BLEED-MAIN AIR	160A	32
BLOCK ASSY-CYLINDER	110	9
BODY COMPL-LOWER	170	41
BOLT	195	46
BOLT-CONNECTING ROD	120	17
BOLT-CYLINDER HEAD	111	11
BOLT-FIX,HOUGING THERMOSTAT	210	49
BOLT-FIX,PULLEY CRANK	120	17
BOLT-FLYWHEEL	120	18
BOLT-MAIN BEARING CAP	110	9
BOLT-SLINGER	111	11
BOLT-THROUGH	231	63
	233	65
BRACKET ASSY-FRONT	231	63
BRACKET ASSY-REAR	231	63
BRACKET-ACCEL WIRE	160A	31
	160B	35
BRACKET-HOSE CLAMP	223A	57
	223B	59
BRUSH SET	231	63
	233	65
BUSH SET	110	9
C		
COVER ASSY-VALVE ROCKER	111	11
CABLE SET-HIGH TENSION	220	53
CABLE-HIGH TENSION,NO 1	220	53
CABLE-HIGH TENSION,NO 2	220	53
CABLE-HIGH TENSION,NO 3	220	53
CABLE-HIGH TENSION,NO 4	220	53
CAM-FAST IDLE	160B	35
CAMSHAFT ASSY	130	21
CAP ASSY-DISTRIBUTOR	221	55
CAP ASSY-OIL FILLER	111	11
CAP-CONNECTOR	223B	59
CAP-GOVERNOR	191	43
CARBURETOR ASSY	160A	31
CASE ASSY-GEAR	233	65
CHAIN-PTO	135	23
CHAIN-TIMING CAMSHAFT	130	21
CHAMBER ASSY-CHOKE	160A	31
CHAMBER ASSY-DIRPHRAM	160A	31
	160B	35
CLAMP	160A	32
	164	37
	223A	57
	223B	59
CLAMP-HIGH TENSION CABLE	220	53
CLAMP-HOSE	118	15
	210	49
	223A	57
	223B	59
CLIP	118	15
	160A	31
	164	37
	223B	59
COLLAR	160A	31
	160B	35
COLLET-VALVE	130	21
CONENECTOR ASSY	221	55
CONNECTOR	210	49
CONNECTOR-3 WAY	223B	59
CONNECTOR-ELBOW	170	41
CONNECTOR-VACUUM	140	25
CONNECTOR-WATER	140	25
	210	49
CONTROL ASSY-VACUUM	221	55
COVER	221	55
COVER ASSY-REAR	233	65
COVER ASSY-VAPORIZER	195	46
COVER-FILTER	195	46
COVER-FRONT	135	23
COVER-GOVERNOR	191	43
CRANKSHAFT ASSY	120	17
D		
DISTRIBUTOR ASSY	221	55
DOWEL	110	9
	135	23
DOWEL-CLUTCH TO FLYWHEEL	120	18
DOWEL-PIN	110	9
	135	23
DOWEL-WATER PUMP	210	49
E		
ELEMENT KIT-THERMO	160A	31
ELEMENT-FUEL	170	41
ENGINE ASSY-BARE	101	5
ENGINE ASSY-SHORT	101	5
F		
FAN-COOLING	210	49
FILTER	195	46
FILTER ASSY-OIL	150	27
FLOAT	160A	31
FLYWHEEL ASSY	120	18
G		
GASKET	111	11
	191	43
GASKET KIT-ENGINE REPAIR	102	7
GASKET KIT-VALVE REGRIND	102	7
GASKET SET	160A	32
GASKET-CONNECTOR,HEATER	210	49
GASKET-CYLINDER HEAD	111	11
GASKET-FUEL PUMP	170	41
GASKET-LIQUID	110	9
	135	23
GASKET-MANIFOLD	140	25
GASKET-OIL PUMP	150	27
GASKET-ROCKER COVER	111	11
GASKET-THERMOSTAT HOUSING	210	49
GASKET-VALVE	170	41
GASKET-WATER INLET	210	49
GASKET-WATER OUTLET	210	49
GASKET-WATER PUMP	210	49
GASKET-WATER TEMPERATURE SENSOR	210	49
GAUGE ASSY-OIL LEVEL	110	9
GAUGE-TEMPERATURE	210	50
GEAR	233	65
GEAR ASSY-CLUTCH	233	65
GEAR ASSY-INTERNAL	233	65
GEAR-RING	120	18
GLASS-BOWL	170	41
GOVERNOR ASSY-PNEUMATIC	191	43

https://truckmanualshub.com/

ALPHABETICAL PART NAME INDEX

PART NAME	SEC.NO.	PAGE
H		
HEAD ASSY-CYLINDER	111	11
HOLDER	160A	32
HORN-AIR,CARBURETOR	165	39
HOSE-BLOWBY GAS	118	15
HOSE-FUEL	164	37
HOSE-VACUUM	160A	31
HOSE-VACUUM CONTROL	223A	57
	223B	59
HOSE-WATER	210	49
HOSE-WATER,BYPASS	210	49
HOUSING-FLYWHEEL	135	23
HOUSING-SET	221	55
HOUSING-THERMOSTAT	210	49
HOUSING-TIMING CHAIN	135	23
I		
IGNITION UNIT	221	55
INLET-WATER	210	49
INSULATOR-CARB	160A	32
	160B	35
INSULATOR-GOVERNOR	191	43
INSULATOR-PCV VALVE	118	15
J		
JET-MAIN	160A	32
JET-SLOW	160A	32
L		
LABEL-NISSAN	111	11
LEVER SET-SHIFT	233	65
LEVER-1ST ADJUST	160A	31
LEVER-OPENER	160A	31
	160B	35
LEVER-PUMP	160A	31
LEVER-THROTTLE	160A	31
	160B	35
LIFTER-VALVE	130	21
M		
MANIFOLD ASSY-INTAKE	140	25
MANIFOLD-EXHAUST	140	25
METAL-REAR COVER	233	65
MIXER ASSY-LPG	160B	35
MOTOR ASSY-STARTER	233	65
N		
NUT	160B	35
	195	46
NUT-ADJUST SCREW	130	21
NUT-CAP	111	11
NUT-CONNECTING ROD	120	17
NUT-LOCK	140	25
NUT-PULLEY	231	63
NUT-SET	231	63
O		
OUTLET-WATER	210	49
P		
PACKING	233	65
PAN ASSY-OIL	110	9
PICK UP KIT	221	55
PIN-FLOAT	160A	31
PINION ASSY-ARMATURE	233	65
PIPE ASSY-HEATER,FEED	210	49
PIPE-RUBBER	160A	31
PISTON,W/PIN	120	17
PISTON-ACCEL	160A	31
PLATE-LOCATING,CAMSHAFT	130	21
PLATE-STOPPING	160A	31
PLUG	110	9
	195	46
PLUG-BLIND	110	9
	210	49
PLUG-DRAIN	110	9
PLUG-OIL HOLE	150	27
PLUG-ROCKER SHAFT	130	21
PLUG-SPARK	220	53
PLUG-TAPER	110	9
PLUG-WATER PUMP	210	49
PLUG-WELCH	110	9
PULLEY ASSY	231	63
PULLEY-CRANKSHAFT	120	17
PULLEY-FAN & WATER PUMP	210	49
PUMP ASSY-FUEL	170	41
PUMP ASSY-OIL	150	27
PUMP ASSY-WATER	210	49
R		
RECTIFIRE ASSY	231	63
REGULATOR ASSY-IC	231	63
RELAY ASSY	253	69
RETAINER ASSY-OIL SEAL,REAR	110	9
RETAINER-SPRING	160B	35
RETAINER-VALVE SPRING	130	21
RING SET-PISTON	120	17
ROD COMPL-CONNECTING	120	17
ROD-PUMP	160A	31
ROD-PUSH	130	21
ROTOR ASSY	231	63
ROTOR-HEAD	221	55
S		
SCREW	170	41
SCREW & WASHER KIT	160B	35
	195	46
SCREW & WASHER KIT-A	160A	32
SCREW & WASHER KIT-B	160A	32
SCREW KIT	221	55
SCREW SET	231	63
	233	65
SCREW-ADJUST	160B	35
	195	46
SCREW-ADJUST,VALVE ROCKER	130	21
SCREW-ADJUSTER	191	43
SCREW-IDLE ADJUST	160A	31
	195	46
SCREW-VALVE RETAINER	170	41
SEAL	160B	35
SEAL KIT-O RING	195	46
SEAL-GOVERNOR	191	43
SEAL-O RING	160B	35
	165	39
	170	41
	195	46
	221	55
SEAL-OIL VALVE STEM	130	21
SEAL-OIL,CRANKSHAFT FRONT	135	23
SEAL-OIL,CRANKSHAFT REAR	110	9
SEAT-VALVE	160B	35
SEAT-VALVE SPRING,OUTER	130	21
SHAFT ASSY-CLUTCH GEAR	233	65
SHAFT ASSY-OIL PUMP	150	27
SHAFT ASSY-VALVE ROCKER	130	21
SLEEVE	160A	31

https://truckmanualshub.com/

ALPHABETICAL PART NAME INDEX

PART NAME	SEC.NO.	PAGE
SLINGER-ENGINE,FRONT	111	11
SLINGER-ENGINE,REAR	111	11
SPACER-AIR HORN	165	39
SPACER-FAN	210	49
SPACER-FUEL PUMP	170	41
SPACER-STARTER MOTOR	233	65
SPRING	195	46
SPRING SET-ELEMENT	170	41
SPRING-1ST DIAPHRAGM	195	46
SPRING-CAM	160B	35
SPRING-IDLE ADJUST SCREW	160A	31
SPRING-INJECTOR	160A	31
SPRING-OUTSIDE,VALVE ROCKER	130	21
SPRING-RETURN	160A	31
	160B	35
SPRING-THROTTLE ADJUST SCREW	160A	32
	160B	35
SPRING-THROTTLE RETURN	160A	31
	160A	32
	160B	35
SPRING-VACUUM LOCK DIAPHRAGM	195	46
SPRING-VALVE	130	21
SPRING-VALVE ROCKER	130	21
SPROCKET-CAMSHAFT	130	21
SPROCKET-CRANKSHAFT	120	18
SPROKET-PTO DRIVE	135	23
SPROKET-PTO DRIVEN	135	23
STATOR ASSY	231	63
STOPPER	160B	35
STOPPER SET-PINION	233	65
STOPPER-CHOKE SPRING	160B	35
STRAINER	160A	31
STRAINER-OIL	150	27
STUD	110	9
STUD-OIL FILTER	150	27
SWITCH ASSY-MAGNETIC	233	65
SWITCH-OIL PRESSURE	110	9

T

TENSION ASSY-CHAINN	130	21
THERMOSTAT ASSY	210	49
TUBE ASSY-FUEL	164	37

V

VALVE ASSY	170	41
VALVE ASSY-CONTROL BLOWBY	118	15
VALVE ASSY-DELAY	223A	57
	223B	59
VALVE ASSY-OIL REGULATOR	150	27
VALVE ASSY-RELIEF	150	27
VALVE ASSY-SOLENOID,LPG	195	46
VALVE-EXHAUST	130	21
VALVE-INTAKE	130	21
VALVE-NEEDLE	160A	31
VALVE-SOLENOID,ANTI DIESL	160A	31
VALVE-SOLENOID,MAIN CUT	160A	31
VAPORIZER ASSY-LPG	195	46
VENTURI-SMALL	160A	31

W

WASHER	111	11
	160B	35
WASHER-CAM SPROCKET	130	21
WASHER-DRAIN PLUG	110	9
WASHER-ROCKER SHAFT	130	21
WEDGE-CRANK PULLEY	120	17
WEIGHT-INJECTOR PUMP	160A	31
WIRE-CAM BAND	191	43

Y

YOKE ASSY	233	65
YOKE-FIX,MANIFOLD	140	25

https://truckmanualshub.com/

PART NO. INDEX

https://truckmanualshub.com/

PART NUMBER INDEX

PART NO.	SEC.NO.	PAGE NO.
00000		
76000369	111	11
76000370	223B	59
76000371	223A	57
	223B	59
76000372	164	37
76000379	210	49
76000373	210	49
76000374	117	13
76000375	117	13
10000		
76000376	111	11
76000377	111	11
76000378	102	7
76000380	101	5
555555555	101	5
555555555	101	5
555555555	101	5
76000384	110	9
76000385	110	9
76000386	110	9
76000387	110	9
76000388	210	49
76000389	110	9
76000390	110	9
76000391	110	9
76000392	110	9
76000393	110	9
76000394	111	11
76000395	111	11
76000396	102	7
76000397	111	11
76000398	110	9
	135	23
	210	49
76000399	110	9
76000400	111	11
76000401	111	11
76000402	210	49
76000403	210	49
76000404	210	49
76000405	210	49
76000406	210	49
76000407	210	49
76000408	210	49
76000409	150	27
76000410	210	49
76000411	110	9
76000412	110	9
76000413	110	9
76000414	110	9
76000415	110	9
76000416	230	61
76000430	118	15
76000417	118	15
76000418	118	15
76000419	118	15
76000420	120	17
76000421	120	17
76000422	120	17
76000423	120	17
76000424	120	17
76000425	120	17
76000426	120	17
76000427	120	17
76000428	120	17
76000429	120	17
76000431	120	17
76000432	120	17
76000433	120	17
76000434	120	17
76000435	120	17
76000436	120	17
76000437	120	17
76000438	120	17
76000439	120	17
76000440	120	17
76000441	120	17
76000442	120	17
76000443	120	17
76000444	120	17
76000445	120	17
76000446	120	17
76000447	120	17
76000448	120	17
76000449	120	17
76000450	120	17
76000451	120	17
76000452	120	17
76000453	120	17
76000454	120	17
76000455	120	17
76000456	120	17
76000457	120	17
76000458	120	18
76000459	120	18
76000460	120	18
76000461	120	18
76000462	120	18
76000463	120	18
76000464	110	9
76000465	110	9
76000466	110	9
76000467	120	17
76000468	120	17
76000469	120	17
76000470	120	18
76000471	120	18
76000472	120	18
76000473	120	18
76000474	120	18
76000475	120	18
76000476	120	18
76000477	135	23
76000478	135	23
76000479	135	23
76000480	135	23
76000481	135	23
76000482	135	23
76000483	135	23
76000484	135	23
76000485	130	21
76000486	110	9
76000487	130	21
76000488	130	21
76000489	120	18
76000490	120	18
76000491	130	21
76000492	130	21
76000493	130	21
76000494	135	23
76000495	210	49
76000496	130	21
76000497	130	21
76000498	130	21
76000499	130	21
76000500	130	21
76000501	130	21
76000502	130	21
76000503	130	21
76000504	130	21
76000505	130	21
76000506	130	21
76000507	130	21
76000508	130	21
76000509	130	21
76000510	130	21
76000511	130	21
76000512	130	21
76000513	130	21
76000514	111	11
76000515	111	11
76000516	111	11
76000517	111	11
76000518	111	11
76000519	111	11
76000520	130	21
76000521	135	23
76000522	135	23
76000523	135	23
76000524	140	25
76000525	140	25
76000526	140	25
76000527	140	25
76000528	210	49
76000529	210	49
76000530	210	49
76000531	210	49
76000532	210	49
76000533	210	49
76000534	210	49
76000535	210	49
76000536	210	49
76000537	140	25
76000538	210	49
76000539	210	49
76000540	210	49
76000541	140	25
76000542	160B	35
76000543	140	25
76000544	223A	57
	223B	59
76000545	223B	59
76000546	150	27
76000547	150	27
76000548	150	27
76000549	150	27
76000550	150	27
76000551	150	27
76000552	150	27
76000553	150	27
76000554	150	27
76000555	111	11
76000556	160B	35
76000557	160A	31
76000558	160A	31
76000559	160A	31
76000560	160B	35
76000561	160B	35
76000562	160A	32
76000563	160A	32
76000564	160A	32
76000565	160A	32
76000566	160A	32
76000567	160A	31
76000568	160A	31
76000569	160A	31
76000570	160A	31
76000571	160A	31
76000572	160B	35
76000573	160B	35
76000574	160A	31
76000575	160A	31
76000576	160B	35
76000577	195	46
76000578	160B	35
76000579	160B	35
76000580	160B	35
76000581	160B	35
76000582	160B	35
76000583	160A	31
76000584	160A	32
76000585	160B	35
76000586	160A	31
76000587	160A	31
76000588	160A	31
76000589	160A	31
76000590	195	46
76000591	160A	31
76000592	160A	31
76000593	160A	31
76000594	160A	31
76000595	160A	31
76000596	160B	35
76000597	160B	35
76000598	160A	32
76000599	195	46
76000600	160A	31
76000601	160B	35
76000602	191	43
76000603	160B	35
76000604	160A	32
76000605	160A	32
76000606	160B	35
76000607	160A	32
76000608	160A	31
76000609	195	46
76000610	160A	31
76000611	160B	35
76000612	160B	35
76000613	160A	31
76000614	160A	31
76000615	160A	31
76000616	160A	31
76000617	160B	35
76000618	160A	31
76000619	160A	31
76000620	160A	31
76000621	160A	31
76000622	165	39
76000623	160B	35
76000624	160B	35
76000625	160A	31
76000626	160A	31
76000627	160A	31
76000628	195	46
76000637	160A	31
76000638	160B	35
76000639	160A	31
76000629	195	46
76000630	195	46
76000631	160B	35
76000632	160B	35
76000633	160B	35
76000634	160B	35
76000635	195	46
76000636	160A	31
76000640	170	41
76000641	170	41
76000642	170	41
76000643	170	41
76000644	160B	35
76000645	160B	35
76000646	160B	35
76000647	170	41
76000648	170	41
76000649	210	49
76000650	210	49
76000651	118	15
76000652	118	15
76000653	118	15
76000654	170	41
76000655	160A	32
76000656	160A	32
76000657	160B	35
76000658	195	46

https://truckmanualshub.com/

PART NUMBER INDEX

PART NO.	SEC.NO.	PAGE NO.
76000659 ..	160A	32
76000660 ..	160A	31
76000661 ..	160A	31
76000662 ..	165	39
76000663 ..	165	39
76000664 ..	165	39
76000665 ..	223B	59
76000666 ..	160A	31
76000667 ..	160B	35
76000668 ..	195	46
76000669 ..	170	41
76000670 ..	170	41
76000671 ..	170	41
76000672 ..	170	41
76000673 ..	170	41
76000674 ..	170	41
76000675 ..	170	41
76000676 ..	170	41
76000677 ..	170	41
76000678 ..	195	46
76000679 ..	164	37
76000680 ..	164	37
76000681 ..	164	37
76000682 ..	164	37
76000683 ..	164	37
76000684 ..	195	46
76000685 ..	195	46
76000686 ..	195	46
76000687 ..	195	46
76000688 ..	195	46
76000689 ..	195	46
76000690 ..	195	46
76000691 ..	195	46
76000692 ..	195	46
76000693 ..	195	46
76000694 ..	191	43
76000695 ..	191	43
76000696 ..	191	43
76000697 ..	191	43
76000698 ..	191	43
76000699 ..	191	43
76000700 ..	191	43
76000701 ..	191	43
76000702 ..	191	43
76000703 ..	191	43
76000704 ..	191	43
76000705 ..	191	43

20000

PART NO.	SEC.NO.	PAGE NO.
76000706 ..	210	49
76000707 ..	210	49
76000708 ..	210	49
76000709 ..	210	49
76000710 ..	210	49
76000711 ..	210	49
76000712 ..	210	49
76000713 ..	210	49
76000714 ..	210	49
76000715 ..	221	55
76000716 ..	221	55
76000717 ..	221	55
76000718 ..	221	55
76000719 ..	221	55
76000720 ..	221	55
76000721 ..	221	55
76000722 ..	221	55
76000723 ..	221	55
76000724 ..	221	55
76000725 ..	191	43
76000726 ..	221	55
76000727 ..	221	55
76000728 ..	223A	57
..	223B	59
76000729 ..	220	53
76000730 ..	220	53
76000731 ..	221	55
76000732 ..	220	53
76000733 ..	220	53
76000734 ..	220	53
76000735 ..	220	53
76000736 ..	220	53
76000737 ..	220	53
76000738 ..	223A	57
..	223B	59
76000739 ..	223A	57
76000740 ..	223A	57
..	223B	59
76000741 ..	210	49
76000742 ..	221	55
76000743 ..	231	63
76000744 ..	231	63
76000745 ..	231	63
76000746 ..	233	65
76000747 ..	231	63
76000748 ..	231	63
76000749 ..	231	63
76000750 ..	231	63
76000751 ..	231	63
76000752 ..	231	63
76000753 ..	231	63
76000754 ..	231	63
76000755 ..	231	63
76000756 ..	231	63
76000757 ..	231	63
76000758 ..	231	63
76000759 ..	233	65
76000760 ..	233	65
76000761 ..	233	65
76000762 ..	233	65
76000763 ..	233	65
76000764 ..	233	65
76000765 ..	233	65
76000766 ..	233	65
76000767 ..	233	65
76000768 ..	233	65
76000769 ..	233	65
76000770 ..	233	65
76000771 ..	233	65
76000772 ..	233	65
76000773 ..	233	65
76000774 ..	233	65
76000775 ..	233	65
76000776 ..	233	65
76000777 ..	233	65
76000778 ..	233	65
76000779 ..	233	65
76000780 ..	233	65
76000781 ..	233	65
76000782 ..	118	15
76000783 ..	118	15
76000784 ..	223B	59
76000785 ..	210	50
76000786 ..	253	69
76000787 ..	110	9
76000788 ..	140	25

30000

PART NO.	SEC.NO.	PAGE NO.
76000789 ..	110	9
76000790 ..	110	9
76000791 ..	135	23
76000792 ..	120	18

90000

PART NO.	SEC.NO.	PAGE NO.
76000793 ..	111	11

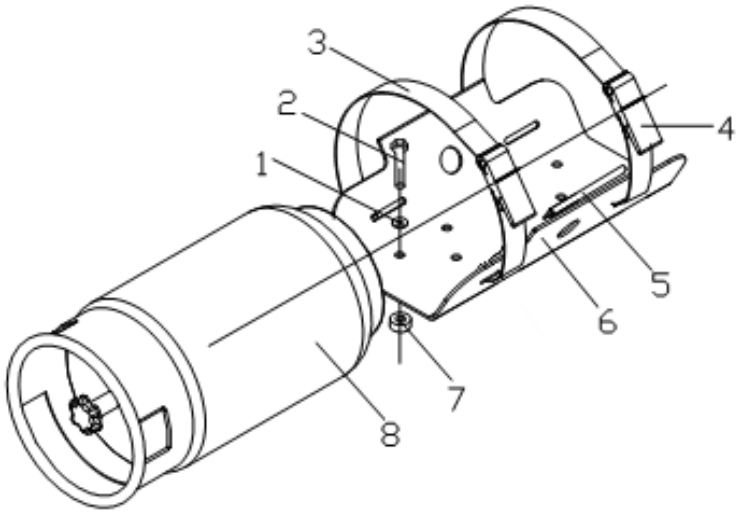
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PART NO.	SEC.NO.	PAGE NO.
76000794 ..	223A	57
..	223B	59
76000795 ..	223A	57
..	223B	59

K0000

PART NO.	SEC.NO.	PAGE NO.
76000796 ..	110	9
..	135	23

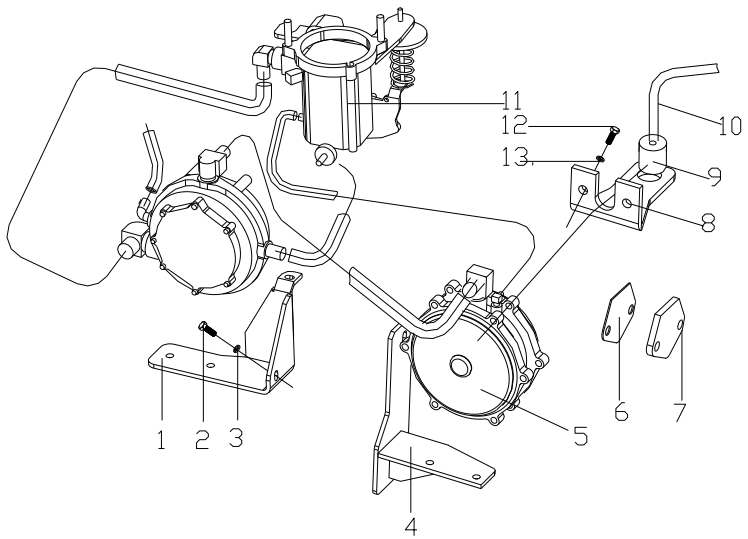
Fig.1 LPG storing system



Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66000067	Washer 12	4	
2	66001211	Bolt M12×25	4	
3	66003550	Front band assy	2	
4	66003551	Rear band assy	2	
5	66003548	Chip chap pad Ⅰ	2	
6	66003505	Cylinder bracket	1	1.5t-1.8t
-	66003549	Cylinder bracket	1	2.0t-3.5t
7	66003497	Pad	4	
8	66003498	Cylinder assy	1	1.5t-1.8t
-	66003499	Cylinder assy	1	2.0t-3.5t

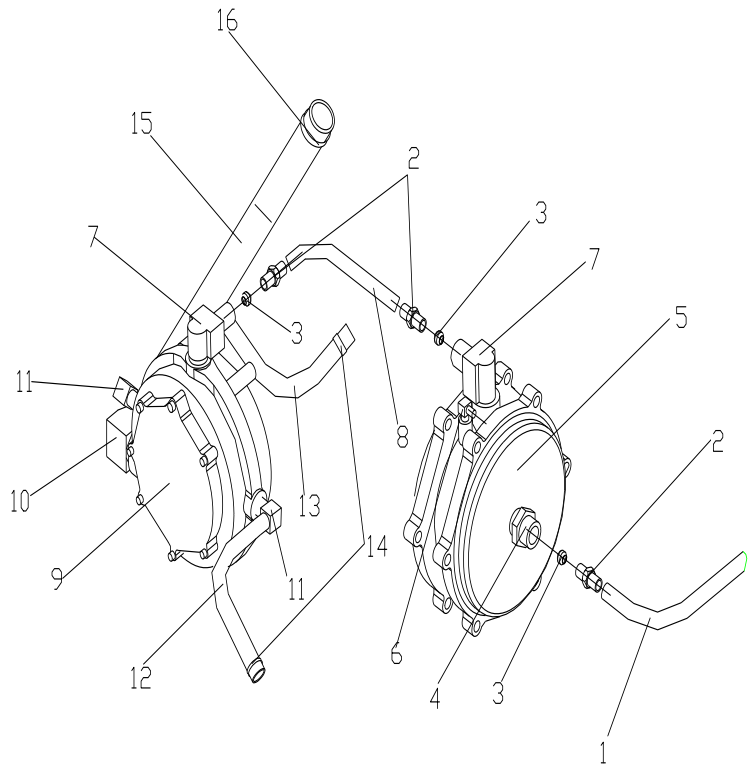
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Fig.2 LPG fuel system



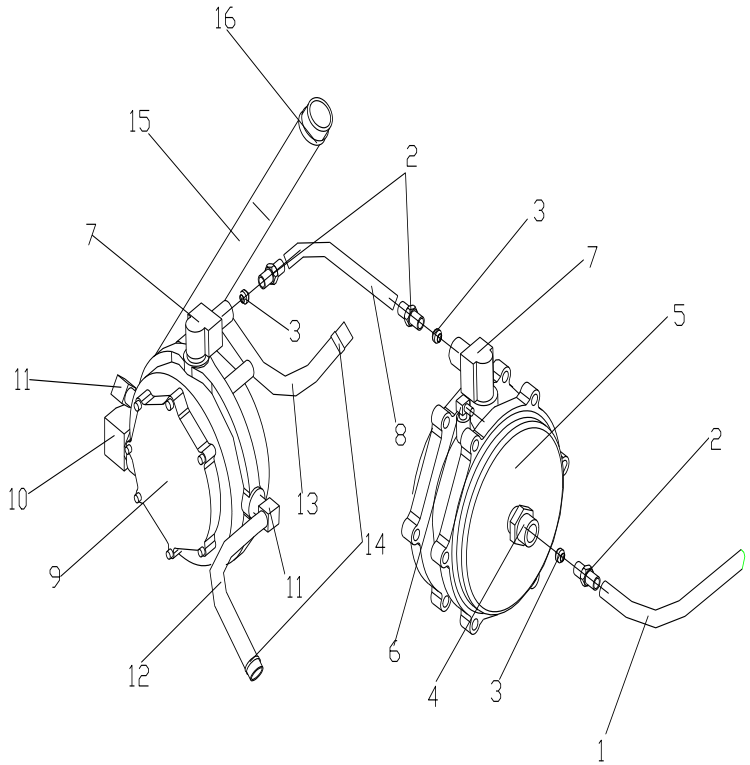
Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66003546	Regulator bracket	1	
2	66000109	Bolt M6×12	1	
3	66000064	Washer 6	1	
4	66003547	Filter lock bracket	1	
5	66003533	Filter lock-Regulator assy	1	LPG
-	66003508	Filter lock-Regulator assy	1	DUAL
6	66003506	Gasket	1	LPG
7	66003507	Cover	1	LPG
8	66003500	Bracket	1	
9	66003535	Bulkhead	1	
10	66003542	Connection line	1	
11	66003534	Mixer	1	LPG
-	66003509	Mixer	1	DUAL
12	66000114	Bolt M8×15	2	LPG
13	66000065	Washer 8	2	LPG

Fig.3 Filter lock-Regulator assy



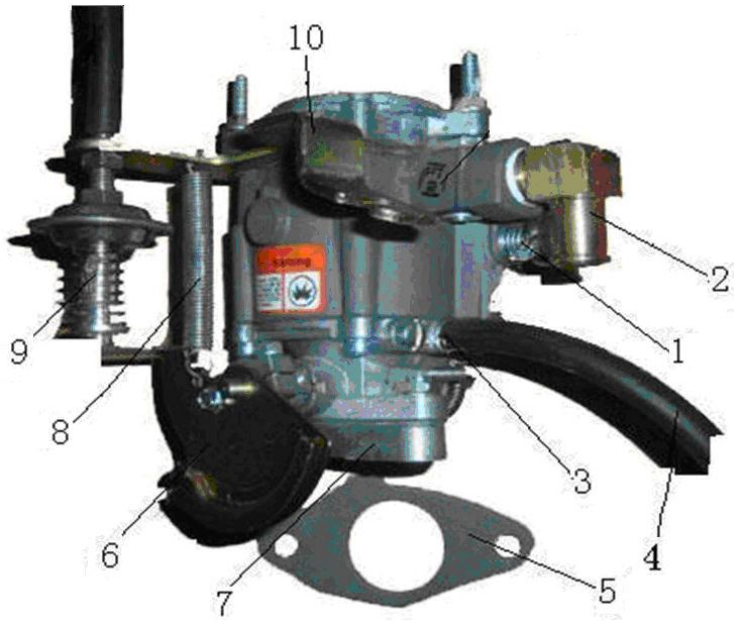
Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66003475	Auxiliary fuel lint Ⅰ	1	
2	66003529	Locking nut	3	
3	66003530	Locking loop	3	
4	66003476	Filter lock inlet fitting	1	
5	66003477	Filter lock	1	
6	66003478	Vacuum fitting	1	
7	66003474	Bulkhead outlet fitting	1	LPG
-	66000821	LPG solenoid valve	1	DUAL
8	66003479	Auxiliary fuel lint Ⅱ	1	
9	66003480	Regulator	1	
10	66003483	LPG outlet fitting	1	
11	66003486	Regulator water fitting	2	
12	66003487	Water supply hose	1	
13	66003481	Water return hose	1	
14	66003482	Water hose clamp	2	

Fig.3 Filter lock- Regulator assy



Item	Part No.	Description	Qty	Remarks Or Serial No.
15	66003484	LPG inlet hose	1	
16	66003485	Clamp	2	

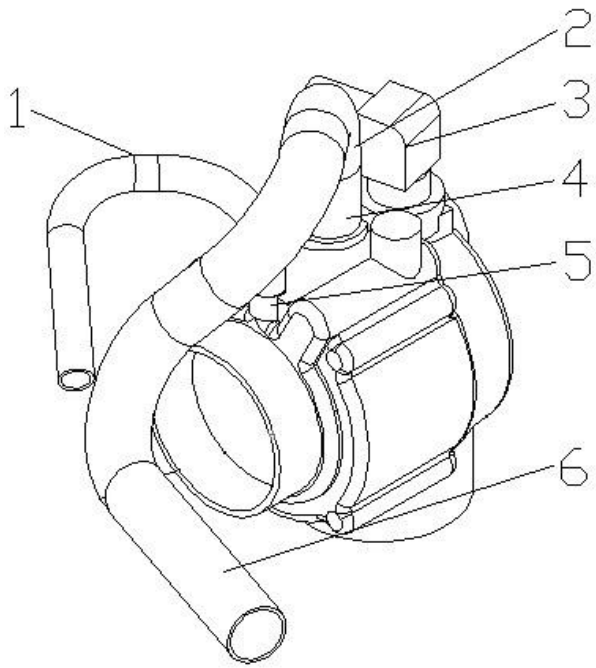
Fig.4 LPG mixer attachment



Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66003510	Idle adjustment screw	1	
2	66003511	Mixer LPG inlet fitting	1	
3	66003512	Vacuum fitting	1	
4	66003513	Vacuum signal hose	1	
5	66003514	Gasket	1	
6	66003515	Throttle lever bracket	1	
7	66003516	Conversion flange	1	
8	66003517	Return spring	1	
9	66003518	Dashpot	1	
10	66003519	Cable bracket	1	

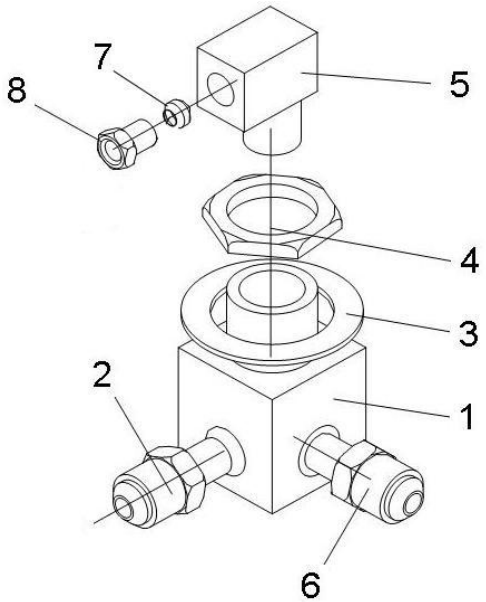
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Fig.5 DUAL mixer attachment



Item	Part No.	Description	Qty	Remarks Or Serial No.
1	66003491	Vacuum signal hose	1	
2	66003489	Exhaust gas hose nipple	1	
3	66003492	Mixer LPG inlet nipple	1	
4	66003488	Conversion fitting	1	
5	66003493	Vacuum fitting	1	
6	66003490	Exhaust gas hose	1	

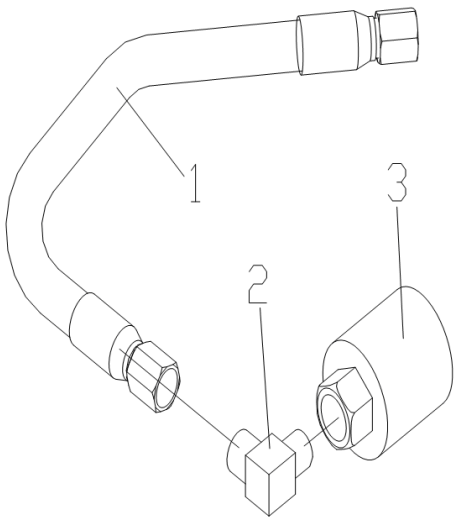
Fig.6 Bulkhead



Item	Part No.	Description	Qty	Remarks Or Serial No.
A1	66003535	Bulkhead	1	Inc.1-8
1	66003536	Bulkhead fitting	1	
2	66003537	Hydrostatic relief vavle	1	
3	66003538	Lock washer	1	
4	66003539	Nut	1	
5	66003540	Bulkhead outlet fitting	1	
6	66003541	Bulkhead inlet fitting	1	
7	66003530	Locking loop	1	
8	66003529	Locking nut	1	

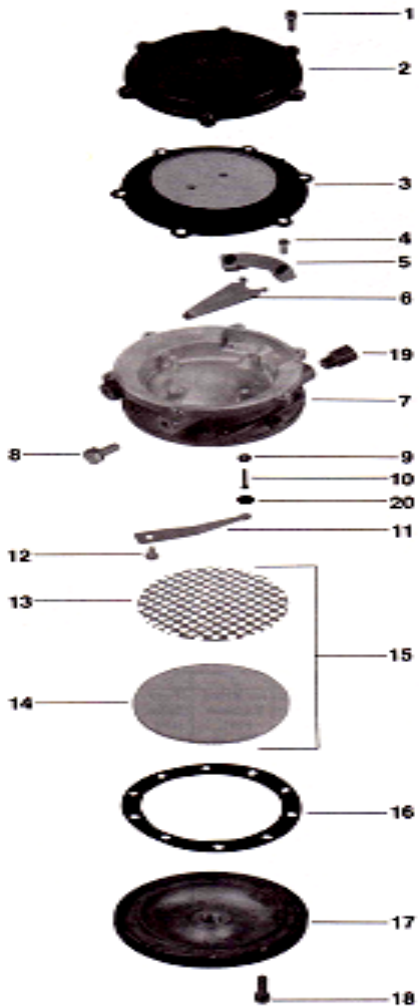
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Fig.7 Connection line



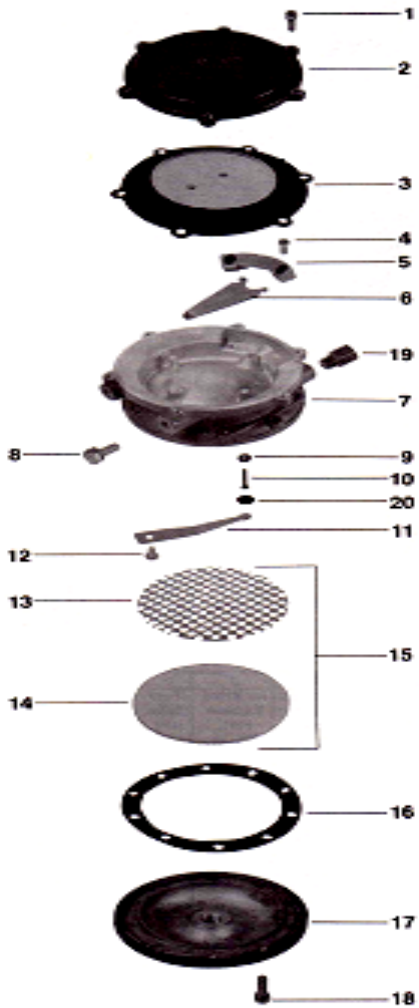
Item	Part No.	Description	Qty	Remarks Or Serial No.
A1	66003542	Connection line	1	Inc.1-3
1	66003543	LPG hose assy	1	
2	66003544	Conversion fitting	1	
3	66003545	Coupling-femail tank connection	1	

Fig.8 Filter lock



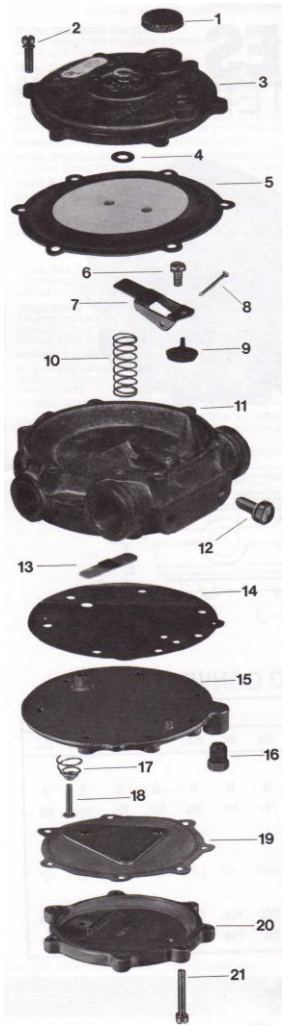
Item	Part No.	Description	Qty	Remarks Or Serial No.
A1	66003477	Filter lock	1	
1	66003523	Screw 8-32×5/8	6	Includes in repair kits
2	No Part No.	Diaphragm cover	1	
3	66003473	Diaphragm assy	1	Includes in repair kits
4	No Part No.	Screw 8-32×1/4	2	
5	No Part No.	Fulcrum	1	
6	No Part No.	Valve operating lever	1	
7	No Part No.	Body assy	1	
8	No Part No.	Screw 1/4-20×5/8	2	
9	66003524	O-ring lip seal	1	Includes in repair kits
10	66003502	Valve operating pin	1	Includes in repair kits
11	No Part No.	Valve spring	1	
12	No Part No.	Screw 8-32×5/16	1	
13	66003528	Screen back-up filter	1	Includes in repair kits
14	66003494	Filter	1	Includes in repair kits

Fig.8 Filter lock



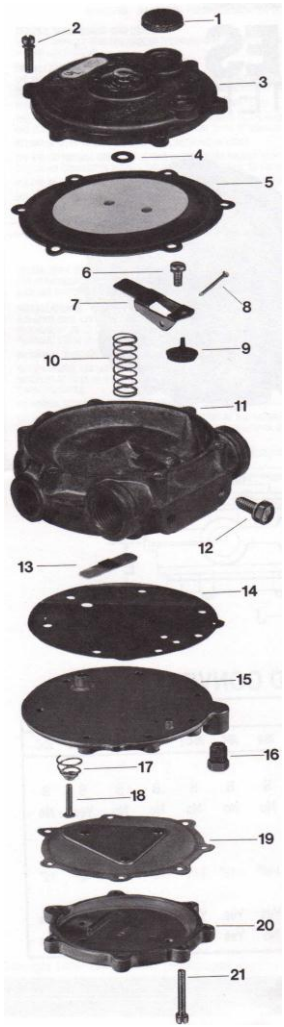
Item	Part No.	Description	Qty	Remarks Or Serial No.
15	No Part No.	Filter assy	1	
16	66003496	Filter cover gasket	1	Includes in repair kits
17	No Part No.	Filter cover	1	
18	660035200	Screw 12-24×3/4	10	Includes in repair kits
19	No Part No.	Fitting assy	1	
20	66003526	Seat	1	Includes in repair kits
21	66003532	Washer	1	Not shown
*	66003504	Repair kits	1	Inc.1,39,10,13,14,16,18, 20,21

Fig.9 Regulator assy



Item	Part No.	Description	Qty	Remarks Or Serial No.
A1	66003480	Regulator	1	
1	No Part No.	Screen	1	
2	66003523	Screw 8-32×5/8	6	Includes in repair kits
3	No Part No.	Cover assy	1	
4	66003531	Washer	1	Includes in repair kits
5	66003472	Diaphragm assy	1	Includes in repair kits
6	66003522	Screw 8-32×3/8	1	Includes in repair kits
7	No Part No.	Lever	1	
8	No Part No.	Pin	1	
9	66003527	Seat	1	Includes in repair kits
10	No Part No.	Spring	1	
11	No Part No.	Body assy	1	
12	No Part No.	Screw 1/4-20×5/8	2	
13	66003525	Seat	1	Includes in repair kits
14	66003495	Gasket	1	Includes in repair kits

Fig.9 Regulator assy



Item	Part No.	Description	Qty	Remarks Or Serial No.
15	No Part No.	Plate	1	
16	No Part No.	Plug	1	
17	No Part No.	Spring	1	
18	66003501	Pin	1	Includes in repair kits
19	66003471	Diaphragm assy	1	Includes in repair kits
20	No Part No.	Cover	1	
21	66003520	Screw 8-32×1	7	Includes in repair kits
22	No Part No.	Check valve	1	Not shown
23	No Part No.	Retainer ring	1	Not shown
*	66003503	Repair kits	1	Inc.2,4,5,6,9,13,14,18,19 ,21