4 BRAKE SYSTEM

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4−1 AIR AND FOOT BRAKE PIPING

Serial No. 002~

Illust No.	Part No.	Part Name	QTY	CONV	Remarks
1~(75)	530-0333-100	Air and foot brake piping Assy	1		
1	533-4301-000	Pipe 1	1		
2	533-4310-000	Pipe 2	1		
3	533-4320-000	Pipe 3	1		
4	533-4330-000	Pipe 4	1		
5	532-1351-000	Pipe 5	1		
6	533-4340-000	Pipe 6	1		
7	532-1360-000	Pipe 7	1		
8	532-1371-000	Pipe 8	1		
9	533-4350-000	Pipe 9	1		
10	533-4360-000	Pipe 10	1		
11	532-1381-000	Pipe 11	1		
12	533-4370-100	Pipe 12	1		
13	533-4381-000	Pipe 13	1		
14	533-4390-100	Pipe 14	1		
15	533-4400-100	Pipe 15	1		
16	534-1690-001	Adapter	1		
17	534-2600-001	Clamp	4		
18	533-3181-001	Clamp	1		
19	533-3171-101	Clamp 1	2		
20	533-4470-000	Pipe 16	1		
21	533-4480-000	Pipe 17	1		
22	534-2571-001	Bracket	1		
23	534-2580-001	Clamp	1		
24	534-2590-001	Clamp	1		
25	534-2170-001	Adapter	2		
26	534-1720-001	Adapter	1		
27	534-1680-001	Adapter	1		
28	534-4080-001	Adapter	1		
(1)	3H-42200030340	Brake valve, dual	1		

4−1 AIR AND FOOT BRAKE PIPING

Serial No. 002~

Illust No.	Part No.	Part Name	QTY	CONV	Remarks
(34)	29-TR-34-B-12X9	Elbow	3		
(35)	2P-9034-06-08-N	Elbow	1		
(36)	SBH14100351	Bolt	3		
(37)	SNH141010	Nut	8		
(38)	WS210	Washer, spring	27		
(39)	HNL0610604	Bushing	1		
(40)	WP110	Washer, plain	12		
(41)	HH015NJ	Band, hose	4		
(42)	SBH14080151	Bolt	10		
(43)	WP108	Washer, plain	8		
(45)	SBH14100251	Bolt	6		
(46)	22-NEE-84294	Hose	1		
(47)	3H-AT-0102	Tee joint, flare	1		
(48)	2P-3001-1/4X6	Nipple	3		
(49)	00-47777-90000	Nut	2		
(50)	3K-BH-9011	Hose, brake	1		
(52)	3H-AL-5209	Elbow	1		
(53)	73-C-30-NG-79-Q	Grommet	1		
(55)	SPD08	Plug	3		
(56)	SNH141020	Nut	6		
(57)	SBH14100301	Bolt	8		
(59)	CC0316	Clamp	6		
(60)	CC0229	Clamp	10		
(61)	3H-AS-0012	Nipple, flare	4		
(62)	3H-46300027060	Valve, drain	1		
(63)	SBH14080201	Bolt	4		
(64)	CC0115	Clamp	1		
(65)	SBH14060201	Bolt	1		
(66)	SNH140610	Nut	1		
(67)	WS206	Washer, spring	1		

4−2 DUAL BRAKE VALVE

Serial No. 002~

Illust No.	Part No.	Part Name	QTY	CONV	Remarks
1~57	3H-42200030340	Brake valve Assy, dual	1		
1~43	3H-42210030250	Basic Assy	1		
1	*	Body, upper	1		
2	*	O-ring	1		
3~9	3H-42212030010	Valve Assy, upper	1		
3	*	Valve, upper	1		
4	*	Retainer, upper valve	1		
5	*	Spring, upper valve	1		
6	*	Retainer, upper o-ring	1		
7	*	O-ring	1		
8	*	Washer	1		
9	*	C-ring	1		
10	*	O-ring	1		
11	*	C-ring	1		
12	*	Piston, relay	1		
13	*	O-ring	1		
14	*	C-ring	1		
15	*	Spring, piston return	1		
16	*	Body, lower	1		
17~23	3H-42214030010	Valve Assy, lower	1		
17	*	Valve, lower	1		
18	*	Retainer, lower valve	1		
19	*	Spring, lower valve	1		
20	*	O-ring	1		
21	*	Guide, lower valve	1		
22	*	Washer	1		
23	*	C-ring	1		
24	*	O-ring	1		
25~29	*	Valve Assy, check	1		
25	*	Seat, check valve	1		

4—2 DUAL BRAKE VALVE

Serial No. 002~

Illust No.	Part No.	Part Name	QTY	CONV	Remarks
54	*	Screw, set	1		
55	*	Nut	1		
56	*	Bolt & Washer	3		
57	*	Plug	3		
	3H-42290030060	Repair kit (Key No.2,3,7,10,13, 14,17,20,24,25~29,31,42,46)	1		
	3H-42290230060	Repair kit (Key No.5,15,19,33,35,38)	1		

4−3 AOH−1 BOOSTER

Serial No. 002~

Illust No.	Part No.	Part Name	QTY	CONV	Remarks
1~40	3H-32600031610	Booster Assy (AOH-1)	1		
1	*	Cylinder, air	1		
2	3H-32612031130	Piston & Rod	1		
3	*	Cup, piston	1		
4	3H-32612631130	Spring, return	1		
5	*	Cover	1		
6	3H-32641420130	Bushing	1		
7	*	Supporter (A), cup	1		
8	*	Cup, secondary	2		
9	*	Spacer	1		
10	*	Supporter (B), cup	1		
11	3H-32114127030	Ring, stop	1		
12	*	O-ring	1		
13	*	O-ring	1		
14	*	Plug	1		
15	*	Piston	1		
16	*	Cup, pressure	1		
17	*	Ring, backup	1		
18	*	Pin	1		
19	*	Ring	1		
20	*	Guide, piston push	1		
21	*	Bolt	6		
22	*	Washer, spring	6		
23	*	Nut	6		
24	*	Cylinder	1		
25	3H-32631330410	Nipple	1		
26	3H-32138111050	Screw, bleeder	1		
27	3H-34138224010	Cap, bleeder screw	1		
28	*	Plate	1		
29	*	Spring, check valve	1		

4−4 D−2 GOVERNOR

Serial No. 002~

Illust No.	Part No.	Part Name	QTY	CONV	Remarks
1~18	3H-41300090770	Governor Assy(D-2)	1		
1	*	Body	1		
2	*	Filter	2		
3~5	3H-41312090020	Piston Assy	1		
3	*	Piston	1		
4	*	O-ring	1		
5	*	Washer	1		
6	*	Valve	1		
7	*	Spring, valve	1		
8	*	O-ring	2		
9	3H-41313420020	Spring	1		
10	3H-41313520020	Pipe, exhaust	1		
11~16	3H-41314090020	Screw & Spring Assy	1		
11	*	Screw, adjust	1		
12	*	Seat, lower spring	2		
13	*	Guide, spring	1		
14	*	Spring	1		
15	*	Seat, upper spring	1		
16	*	Nut	1		
17	*	C-ring	1		
18	*	Cover	1		
	3H-41390090020	Repair kit (Key No.2,4,6,7,8,18)	1		

4−5 OIL RESERVOIR

Serial No. 002～

Illust No.	Part No.	Part Name	QTY	CONV	Remarks
1～12	3H-39900010401	Reservoir Assy, oil	1		
1	*	Body, oil reservoir	1		
2	3H-39911510400	Nipple	1		
3	*	O-ring	1		
4	*	Washer	1		
5	*	Washer, spring	1		
6	*	Nut	1		
7～11	3H-39921010370	Bracket Assy	1		
7	*	Bracker	1		
8	*	Bolt	1		
9	*	Nut	1		
10	*	Washer, spring	1		
11	*	Pipe	1		
12	3H-36600030111	Switch, level	1		
	3H-39990010401	Repair kit	1		

4−6 WHEEL BRAKE

Serial No. 002~

Illust No.	Part No.	Part Name	QTY	CONV	Remarks
2~60	08-43418-60020	Brake Assy, wheel	1		
2	08-40022-70020	Pin, guide	2		
3	08-40000-71150	Pin	2		
4	08-40900-71350	Bracket	1		
5	08-30210-70050	Adjuster	1		
6	08-30210-70060	Adjuster	1		
7	08-35600-74530	Spring	2		
8	08-31210-70180	Cover	2		
9	08-46000-71310	Washer	2		
10	08-40000-71160	Pin	2		
11	08-40790-70260	Boots	2		
12	08-31200-72430	Cover	1		
13	08-40021-70030	Pin, anchor	2		
14	08-41694-70170	Plate, lock	1		
15	08-46926-70190	Washer, lock	1		
16	08-35600-74540	Spring	1		
17	08-30650-70050	Indicator	2		
18	08-43416-70020	Cylinder, wheel	1		
	08-49327-72860	Repair kit	1		
19	08-43900-72980	Bolt	2		
20	08-43900-72990	Bolt	1		
23	08-33057-70640	Grommet	2		
24	08-43900-73250	Bolt	6		
50	08-34710-70060	Shoe Assy, brake	2		
60	08-31241-70220	Cover Assy	1		

4−7 HAND BRAKE

Serial No. 002~

Illust No.	Part No.	Part Name	QTY	CONV	Remarks
1~(16)	571-0222-100	Brake Assy, hand	1		
1	604-0410-001	Clevis	1		
2	573-0450-000	Bracket	1		
3	604-0401-000	Clevis	1		
(1)	39-BM45-101-020-00	Brake, parking	1		
(2)	90-419-2221	Head Assy, brake	1		
(3)	79-36150-20063KAI	Cable	1		
(4)	73-C-30-SG-30A	Grommet	1		
(5)	19-SP123-31030	Pin	1		
(6)	19-SP123-30828	Pin	1		
(8)	WP110	Washer, plain	1		
(9)	PS3015	Pin, split	1		
(10)	SBH14120301	Bolt	2		
(11)	WS212	Washer, spring	2		
(12)	SBH14080301	Bolt	2		
(13)	SNH140810	Nut	4		
(14)	WS208	Washer, spring	2		
(15)	WP108	Washer, plain	1		
(16)	PS2018	Pin, split	1		

4－8 BRAKE HEAD

Serial No. 002～

Illust No.	Part No.	Part Name	QTY	CONV	Remarks
1～21	90-419-2221	Head Assy, brake	1		
1	90-184-2015	Plate, torque	1		
2	90-184-2025	Plate, torque	1		
3	90-54-2006	Sleeve	2		
4	90-43-8886	Bolt, adjust	1		
5	90-244-7845	Lining, brake	2		
6	90-21-7000	Spring	1		
7	90-112-7013	Cam	2		
8	90-56-7943	Retainer, ball	1		
9	90-130-7002	Ball, bearing	3		
10	90-68-8436	ID seal	1		
11	90-77-7215	Boots	1		
12	90-83-2010	Lever	1		
13	90-111-7000	Bearing, thrust	1		
14	90-80-7837	Washer, plain	1		
15	90-80-7836	Washer, plain	1		
16	90-63-611	Nut, adjust	1		
17	90-63-7631	Nut, jam	1		
18	90-111-2013	Bushing	8		
19	90-63-508	Nut	2		
20	90-77-2011	Boots	2		
21	90-43-8890	Bolt, mounting	2		

4−9 DR−31 AIR DRIER

Serial No. 002~

Illust No.	Part No.	Part Name	QTY	CONV	Remarks
1~36	3H-41200043150	Drier Assy, air(DR-31)	1		
1	*	Body	1		
2~10	3H-41220043050	Body Assy, valve	1		
2	*	Body, valve	1		
3	*	O-ring	1		
4	*	O-ring	1		
5	*	Piston	1		
6	*	O-ring	1		
7	*	Valve Assy	1		
8	*	Spring, valve	1		
9	*	Bolt & Washer	1		
10	*	Cover, exhaust	1		
11	*	Ring, retaining	1		
12	*	Case	1		
13	*	Plate(1), filter	1		
14	*	Plate(2), filter	1		
15	*	Filter	2		
16	*	Desiccant	1		
17	*	Gasket, filter	1		
18	*	Filter Assy, oil	1		
19	*	Ring, gasket	1		
20	*	Spring, set	1		
21	*	Guide, case	1		
22	*	Ring, sealing	1		
23	*	Ring, gasket	1		
24	*	Cover	1		
25	*	Valve, check	1		
26	*	O-ring	1		
27	*	Chamber, purge	1		
28	*	Bolt	6		