

UNIC Hydraulic Cranes

URA340-A2

**PARTS
MANUAL**

FURUKAWA UNIC Corporation



HYDRAULIC CRANE PARTS CATALOG

URA340 - A2 SERIES

SERIAL No. N602816~

PCURA340A2199509A

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FURUKAWA UNIC CORPORATION

GENERAL INFORMATION

This parts catalog contains the description of the parts for UNIC Hydraulic Crane Model URA340 series.

The application is Cranes from serial number URA340 series No. N602816 ~. The crane serial number is engraved on the specification plate fixed at the column.

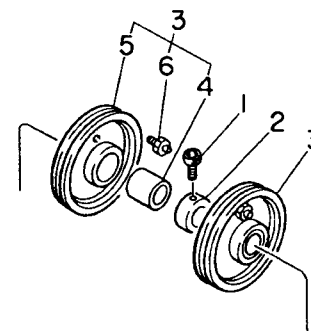
● HOW TO USE THIS PARTS CATALOG

KEY No.	PARTS No.	PARTS NAME	Q'ty	MARK	SERIAL No.	NOTE
(Example)						
1~43	0146 24000	Boom Ass'y	1 set	△	---	---
1	7161 06030	Bolt	2			
2	0215 21020	Spacer	1			
A 3	9110 00019	Sheave - slide 200 φ Ass'y	2 set		---	---
A 4	0211 21130	Bushing	1			
A 5	0217 21180	Sheave - slide 200 φ	1			
A 6	7243 31000	Nipple - grease	1		---	---

Assembly part

Sub-assembly part

Component part



1. Illustrations are shown every component group and each part is denoted with index number on outgoing line. The index number agrees with the key number of the lists. Therefore, you can find the part name, part number, quantity, applicable serial number crane, changing period, etc. by the number.
2. Relations of assembly part, sub-assembly part and component part are indicated as above list and illustration.
3. A • B • C...in the "KEY No." column indicate sub-assembly parts and A1 • A2 • A3...B1 • B2 • B3.....S1 • S2 • S3...indicate component parts.
4. Each number in the "Q'ty" column indicates the quantity used per each assembly.

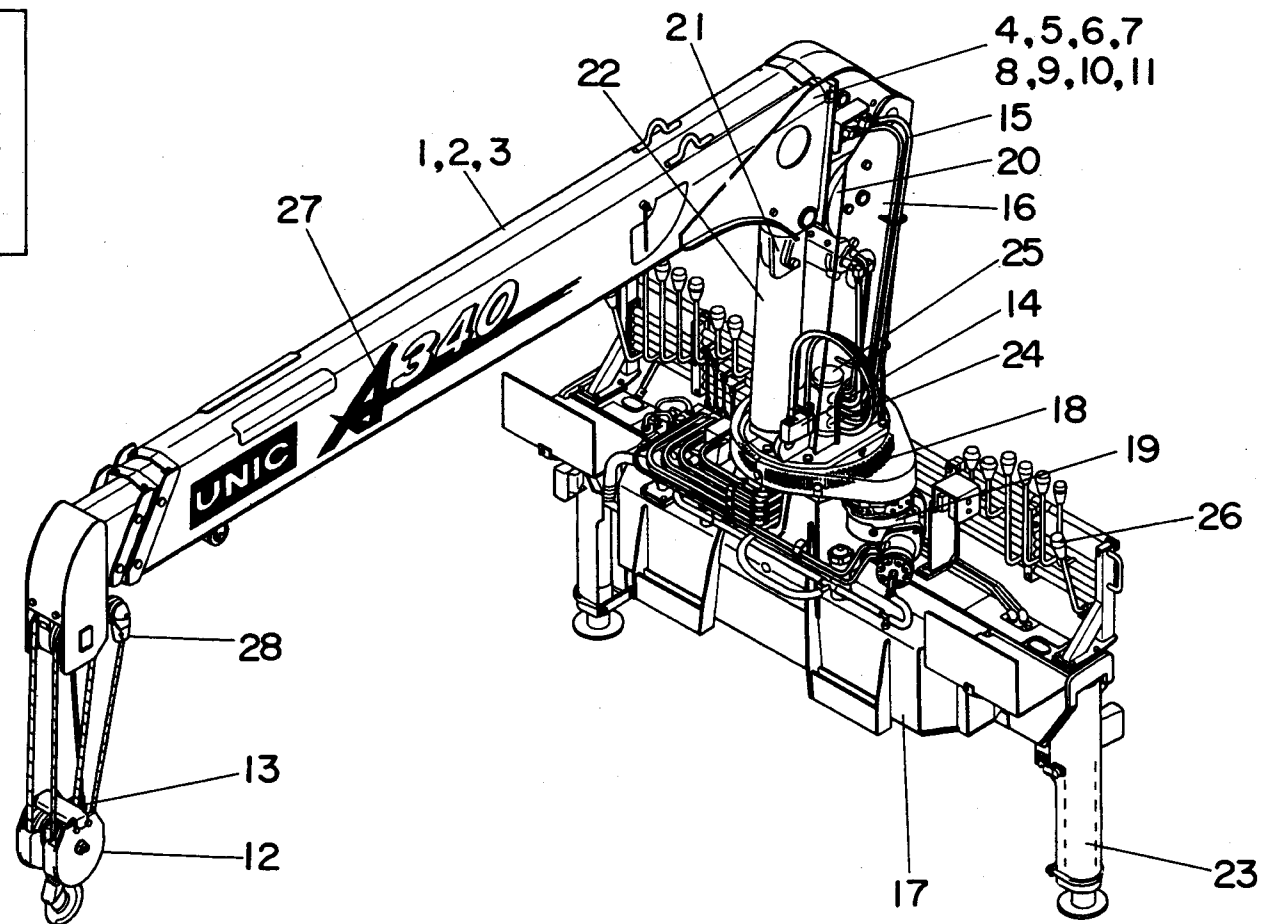
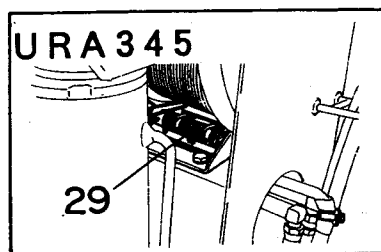
5. How to read the indication in the "Mark" column.

-New and old parts are each interchangeable.
◐New parts can changeable of old parts, but not vice-versa.
✕New and old parts are not interchangeable.
△Part not for sale.
DDisuse.
QQuantity change.

6. How to order the service parts.

- (1) When ordering service parts, please be sure to supply the following information.
- | | |
|-----------------|-----------------|
| * Crane model | * Serial number |
| * Assembly name | * Part name |
| * Part number | * Quantity |
- (2) Interchangeable or no-interchangeable part.
When you order the interchangeable part marked ○, please order new part.
When you order the interchangeable part marked ✕, please confirm the serial number and the manufactured date of the crane, and order adequate part.
- (3) Quantity, length
n.....Decide your necessary quantity.
ℓ.....Decide your necessary length.
- (4) Use "UNIC GENUINE PARTS" exclusively for servicing your creane.
No warranty can be given on a trouble caused by using a part except genuine parts.
- (5) Purchase the service parts at your nearest dealer or seavice shop.
(Note) In accordance with our policy of constant implovement, all parts are subject to change without notice or obligation.

HYDRAULIC TRUCK CRANE URA340-A2 SERIES



C O N T E N T S

FIG. NO.	SECTION NAME	PAGE	FIG. NO.	SECTION NAME	PAGE
1	3-section BOOM ASS'Y (URA343)	12	15-2	PIPING (Hoist motor)	64
2	4-section BOOM ASS'Y (URA344)	16	15-3	PIPING (Extension cylinder)	66
3	5-section BOOM ASS'Y (URA345)	22	15-4	PIPING (Swing motor)	68
4	EXTENSION CYLINDER (1) ASS'Y (URA343)	28	15-5	PIPING (Outrigger)	70
5	EXTENSION CYLINDER (2) ASS'Y (URA343)	30	16	COLUMN ASS'Y	72
6	EXTENSION CYLINDER (1) ASS'Y (URA344)	32	17	BASE ASS'Y	74
7	EXTENSION CYLINDER (2) ASS'Y (URA344)	36	18	SWING DEVICE ASS'Y	78
8	EXTENSION CYLINDER (1) ASS'Y (URA345)	38	19	SWING GEAR BOX ASS'Y	80
9	EXTENSION CYLINDER (2) ASS'Y (URA345)	40	20	HOIST WINCH ASS'Y	82
10	EXTENSION CYLINDER (3) ASS'Y (URA345)	44	21	WINCH GEAR BOX ASS'Y	84
11-1	SELECTOR VALVE ASS'Y (URA343)	48	22	BOOM LIFT CYLINDER ASS'Y	86
11-2	SELECTOR VALVE ASS'Y (URA344, 345)	50	23	OUTRIGGER CYLINDER ASS'Y	88
12-1	HOOK ASS'Y (URA343)	52	24	SWIVEL JOINT ASS'Y	90
12-2	HOOK ASS'Y (URA344, 345)	54	25	SLIP RING ASS'Y	92
13	SAFETY DEVICE ASS'Y	56	26	CONTROL ASS'Y	94
14	HYDRAULIC DRIVING DEVICE	60	27	PLACARD	98
15-1	PIPING (Boom lift cylinder)	62	28	EQUIPMENT	102

C O N T E N T S

FIG. NO.	SECTION NAME	PAGE	FIG. NO.	SECTION NAME	PAGE
29	WIRE ROPE CLAMPING ROLLER DEVICE ASS'Y	104			
	(HYDRAULIC PARTS)				
HP 1	CONTROL VALVE ASS'Y	110			
HP 2	RELIEF VALVE ASS'Y (RT-15C)	112			
HP 3	EXTENSION CYLINDER HOLDING VALVE ASS'Y (CB-03ET)	114			
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HP 6	OUTRIGGER CYLINDER HOLDING VALVE ASS'Y (CP-03F)	120			
HP 7	PILOT CHECK VALVE ASS'Y (CP-03W)	122			

URA343-A2

URA344-A2

URA345-A2

Fig.1 3-section BOOM ASS'Y (URA343)

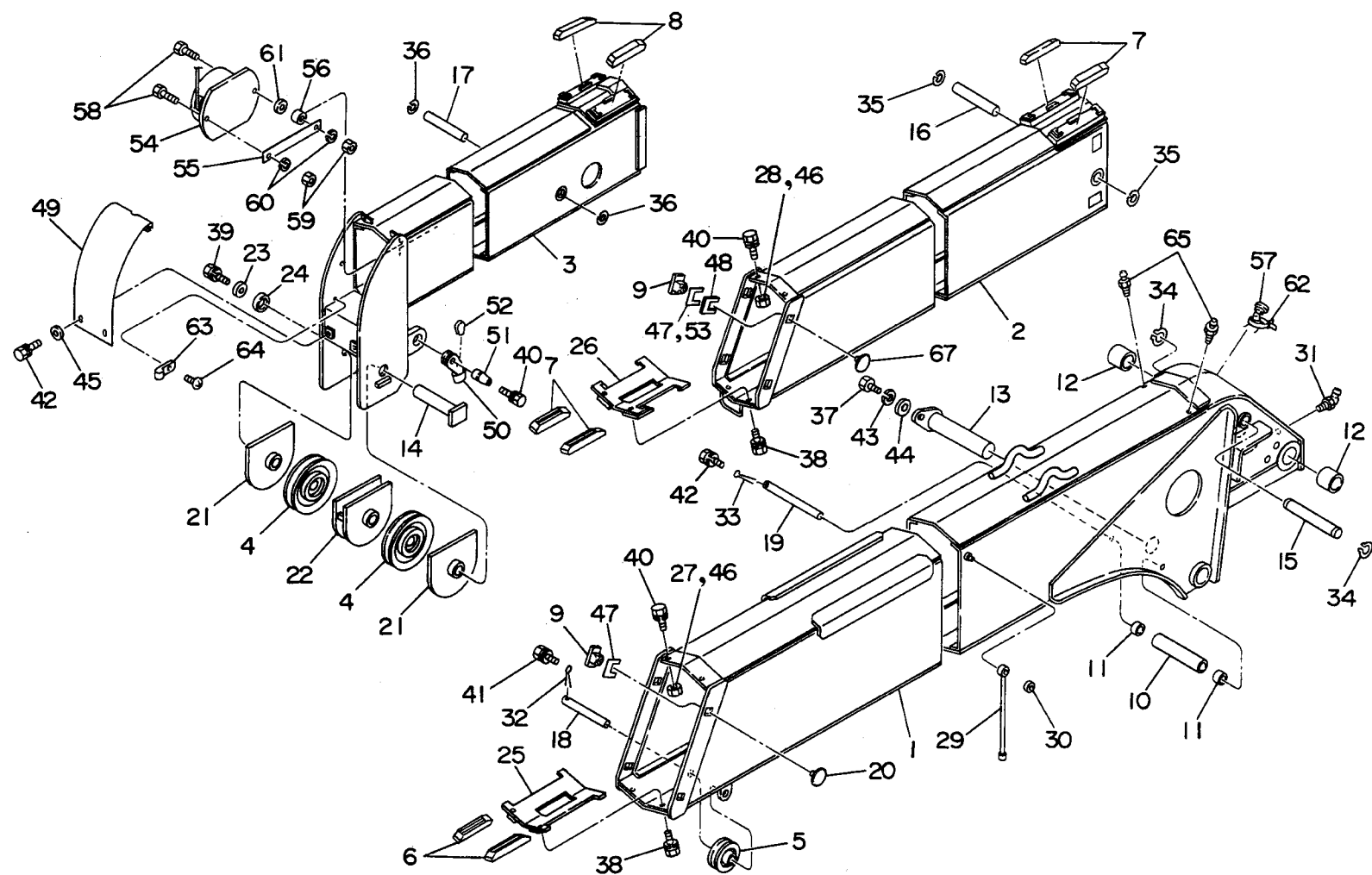


Fig. 1 3-section BOOM ASS'Y (URA343)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~67	08H6 21000	3-section Boom Ass'y	1 set	△			19	0806 21090	Pin (15)	1			Roller
1	08H6 21015	Boom (1)	1				20	08AC 21121	Bolt	4			
2	08H6 21022	Boom (2)	1				21	0805 21133	Plate	2			
3	08H6 21034	Boom (3)	1				22	0806 21151	Plate	1			
4	K821 00811	Sheave Ass'y	2 set				23	0119 51060	Plate	1			
5	0185 21031	Sheave (4.85 × 55)	1				24	0182 21110	Collar	1			
6	0882 21380	Plate-slide	2				25	084T 21110	Base-slide (200)	1			
7	0887 21060	Plate-slide	4				26	08H6 21060	Base-slide (160)	1			
8	0190 21090	Plate-slide	2				27	0886 21130	Guide (23.5)	2			
9	08AC 21130	Plate-slide	8				28	080C 21160	Guide (20.5)	2			
10	0806 21050	Roller	1				29	0149 21321	Indicator	2			
11	7260 60022	Bearing	2				30	7241 90050	Nut-push	2			
12	0143 11061	Bushing	2				31	7243 34000	Nipple-grease	1			
13	0149 21140	Pin (50)	1			Boom lift	32	7231 08030	Pin-split	1			
14	0146 21141	Pin (35)	1			Top sheave	33	7231 06025	Pin-split	1			
15	0149 21151	Pin (30)	1			Boom (1)	34	7241 10300	Ring-snap	2			
16	0149 21160	Pin (30)	1			Boom (2)	35	7241 20300	Ring-snap	2			
17	0183 21150	Pin	1			Boom (3)	36	7241 20250	Ring-snap	2			
18	088D 21090	Pin (20)	1			Slide sheave	37	7119 12D25	Bolt	1			

Q...Interchangeable.

Q...New parts can interchangeable of old parts, but not vice-versa.

X...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 1 3-section BOOM ASS'Y (URA343)

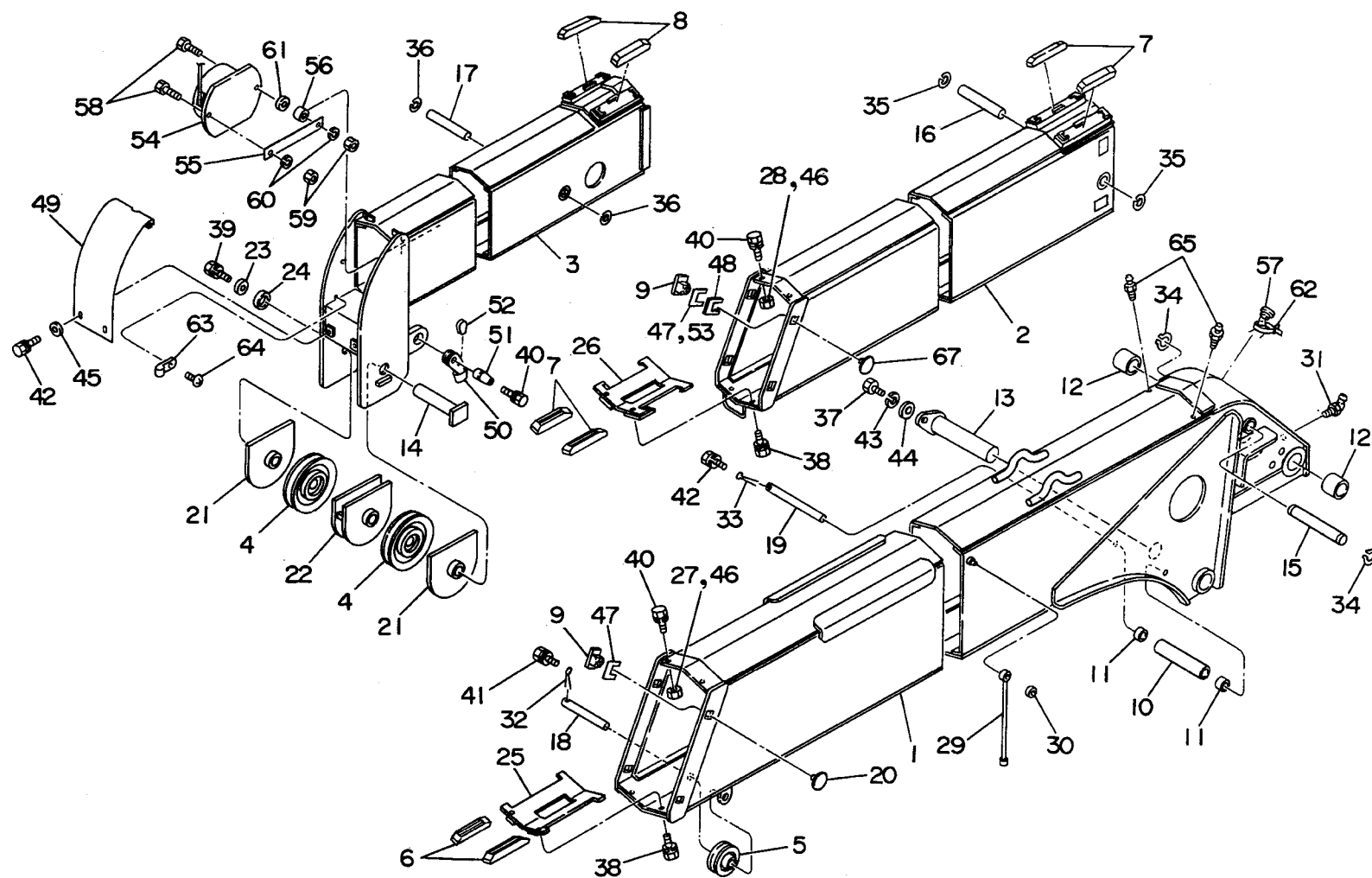


Fig. 1 3-section BOOM ASS'Y (URA343)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
38	7601 29045	Bolt & Washer	4				57	08H6 21131	Cap	1			
39	7141 10020	Bolt & Washer	1				58	7111 06020	Bolt	2			
40	7141 10016	Bolt & Washer	5				59	7211 11060	Nut	2			
41	7142 06015	Bolt & Washer	1				60	7222 11060	Washer-spring	2			
42	7142 05012	Bolt & Washer	3				61	7221 12060	Washer-plain	1			
43	7222 11120	Washer-spring	1				62	7505 16001	Band-wire	1			
44	7221 12120	Washer-plain	1				63	7505 23002	Clamp-wire	1			
45	7221 12050	Washer-plain	2				64	7601 10059	Screw-tapping	1			
46	080C 21140	Shim	8			t = 1.0	65	7243 31000	Nipple-grease	2			
47	08H6 21071	Shim	12			t = 1.0	66	☆					
48	08H6 21080	Spacer	4				67	08H6 21140	Bolt	4			
49	08H6 21090	Cover	1										
50	0805 21180	Socket-wire	1										
51	0805 21111	Pin (35)	1			Wire socket							
52	0123 32090	Wedge	1										
53	08H6 21111	Shim	4			t = 0.5							
54	7505 18031	Reel-cord	1			CR2106F3							
55	08H6 21120	Plate	1										
56	2500 96140	Collar	1										

⚙ ...Interchangeable.

⚙ ...New parts can interchangeable of old parts, but not vice-versa.

⚙ ...Not interchangeable.

△ ...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 2 4-section BOOM ASS'Y (URA344)

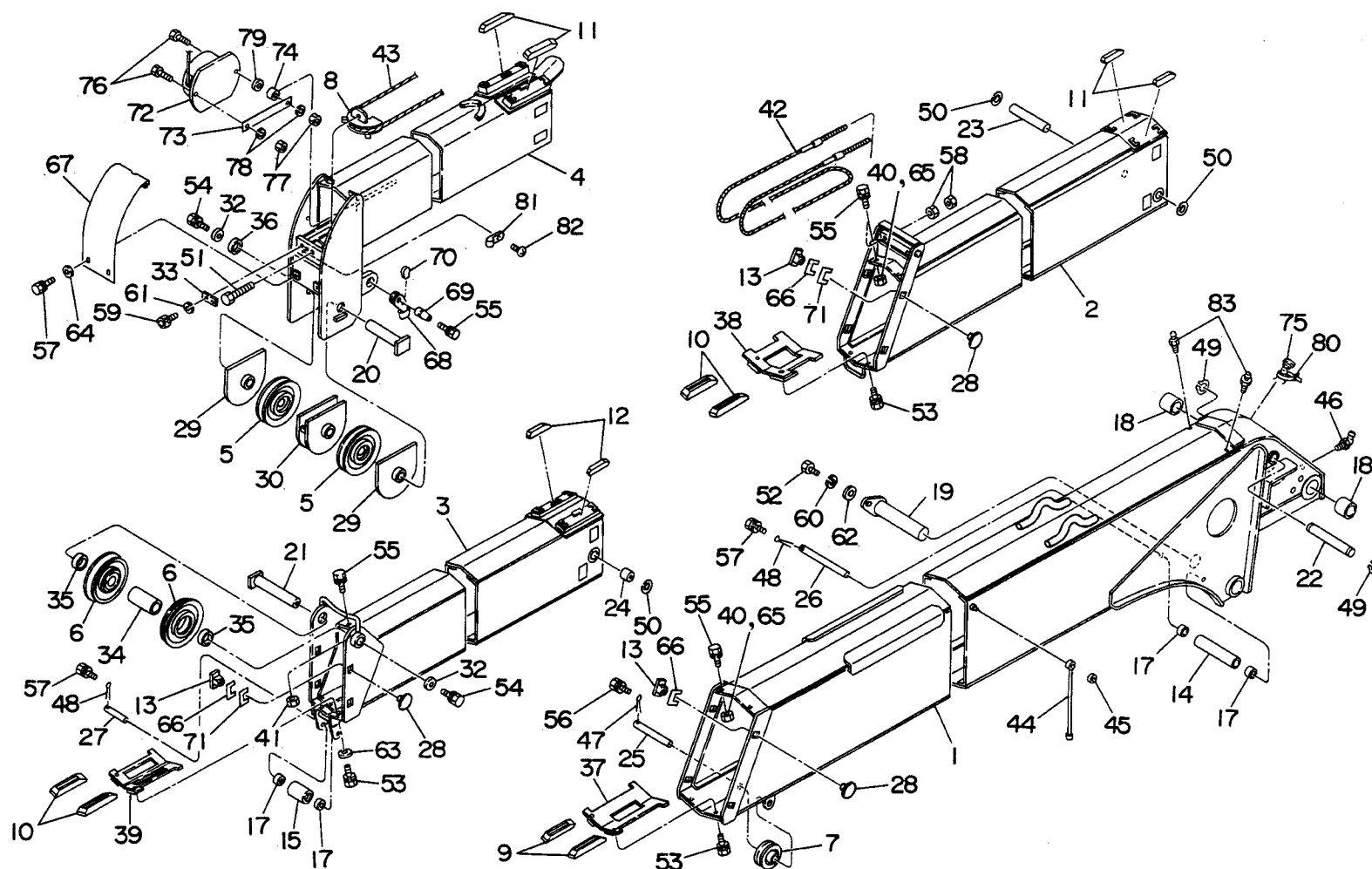


Fig. 2 4-section BOOM ASS'Y (URA344)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~83	08H7 21000	4-section Boom Ass'y	1 set	△			19	0149 21140	Pin (50)	1			Boom lift
1	08H7 21015	Boom (1)	1				20	0146 21141	Pin (35)	1			Top sheave
2	08H7 21022	Boom (2)	1				21	0149 21180	Pin (35)	1			
3	08H7 21033	Boom (3)	1				22	0149 21151	Pin (30)	1			Boom (1)
4	08H7 21044	Boom (4)	1				23	0149 21160	Pin (30)	1			Boom (2)
5	K821 00811	Sheave Ass'y	2 set				24	0806 21080	Pin (30)	2			Boom (3)
6	AC21 00810	Sheave Ass'y	2 set				25	088D 21090	Pin (20)	1			Slide sheave
7	0185 21031	Sheave (4.85 × 55)	1				26	0806 21090	Pin (15)	1			
8	0806 21121	Sheave (4.35 × 100)	1				27	0806 21110	Pin (15)	1			
9	0882 21380	Plate-slide	2				28	08AC 21121	Bolt	12			
10	0190 21061	Plate-slide	4				29	0805 21133	Plate	2			
11	0887 21060	Plate-slide	4				30	0806 21151	Plate	1			
12	0190 21090	Plate-slide	2				31	☆					
13	08AC 21130	Plate-slide	12				32	0119 51060	Plate	2			
14	0806 21050	Roller	1				33	0806 21130	Plate	1			
15	0806 21060	Roller	1				34	080C 21090	Collar	1			
16	☆						35	0805 35040	Collar	2			
17	7260 60022	Bearing	4				36	0182 21110	Collar	1			
18	0143 11061	Bushing	2				37	084T 21110	Base-slide (200)	1			

Q...Interchangeable.

Q...New parts can interchangeable of old parts, but not vice-versa.

X...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 2 4-section BOOM ASS'Y (URA344)

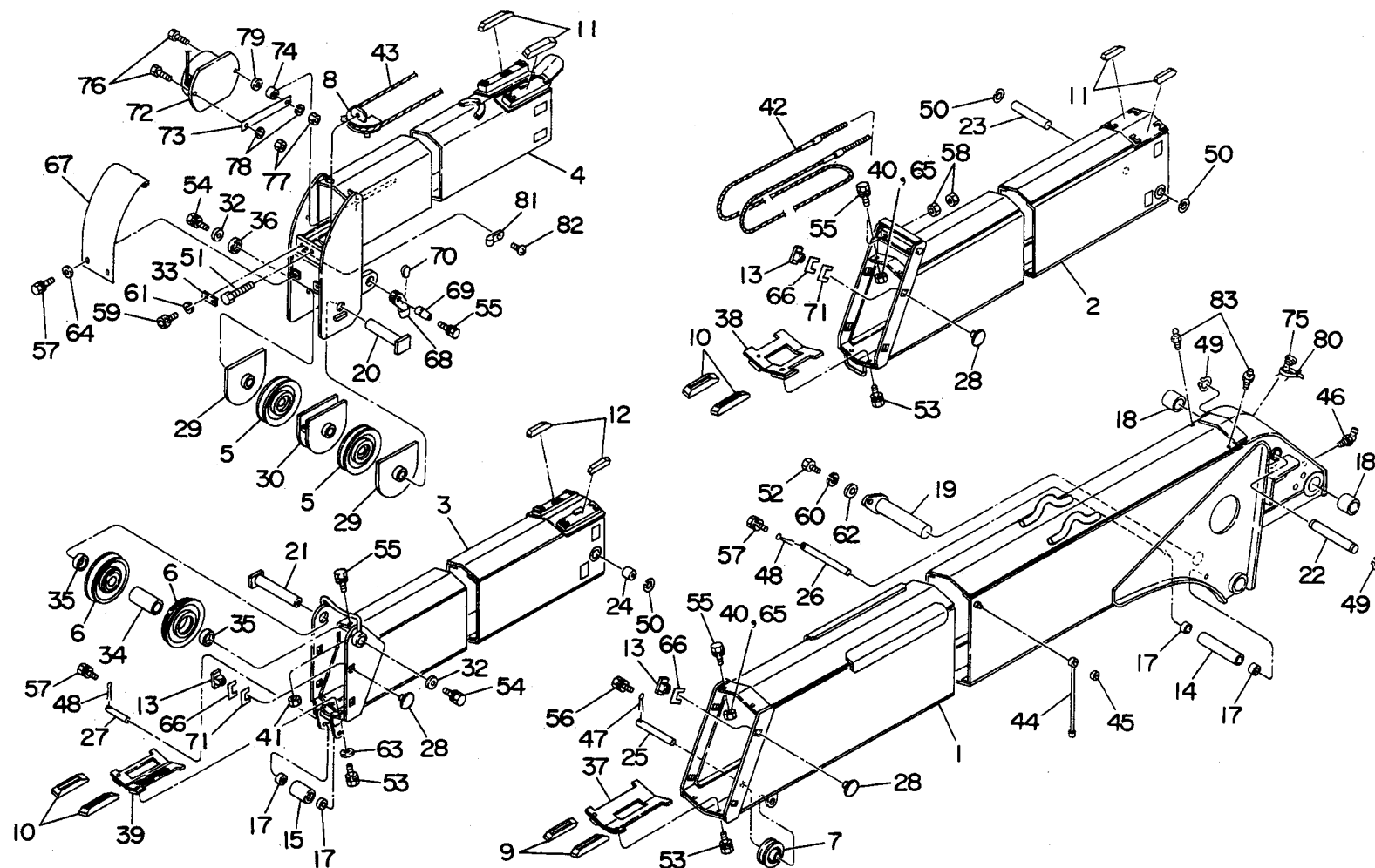


Fig.2 4-section BOOM ASS'Y (URA344)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
38	080C 21051	Base-slide (160)	1				57	7142 05012	Bolt & Washer	4			
39	08H7 21050	Base-slide (120)	1				58	7211 11160	Nut	4			
40	080D 21110	Guide (16.5)	4				59	7161 08020	Bolt	2			
41	08H7 21080	Guide (26.5)	2				60	7222 11120	Washer-spring	1			
42	083D 21330	Rope-wire (Boom Ext)	1				61	7222 11080	Washer-spring	2			
43	080C 21130	Rope-wire (Boom Ret)	1				62	7221 12120	Washer-plain	1			
44	0149 21321	Indicator	2				63	7221 12100	Washer-plain	2			
45	7241 90050	Nut-push	2				64	7221 12050	Washer-plain	2			
46	7243 34000	Nipple-grease	1				65	080C 21140	Shim	8			t = 1.0
47	7231 08030	Pin-split	1				66	08H6 21071	Shim	12			t = 1.0
48	7231 06025	Pin-split	2				67	08H7 21060	Cover	1			
49	7241 10300	Ring-snap	2				68	0805 21180	Socket-wire	1			
50	7241 20300	Ring-snap	4				69	0805 21111	Pin (35)	1			
51	7114 18100	Bolt	1				70	0123 32090	Wedge	1			
52	7119 12D25	Bolt	1				71	08H6 21111	Shim	8			t = 0.5
53	7601 29045	Bolt & Washer	6				72	7505 18027	Reel-cord	1			CR2108F3
54	7141 10020	Bolt & Washer	2				73	08H7 21070	Plate	1			
55	7141 10016	Bolt & Washer	7				74	2500 96140	Collar	1			
56	7142 06015	Bolt & Washer	1				75	08H6 21131	Cap	1			

↔...Interchangeable.

↔...New parts can interchangeable of old parts, but not vice-versa.

✂...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 2 4-section BOOM ASS'Y (URA344)

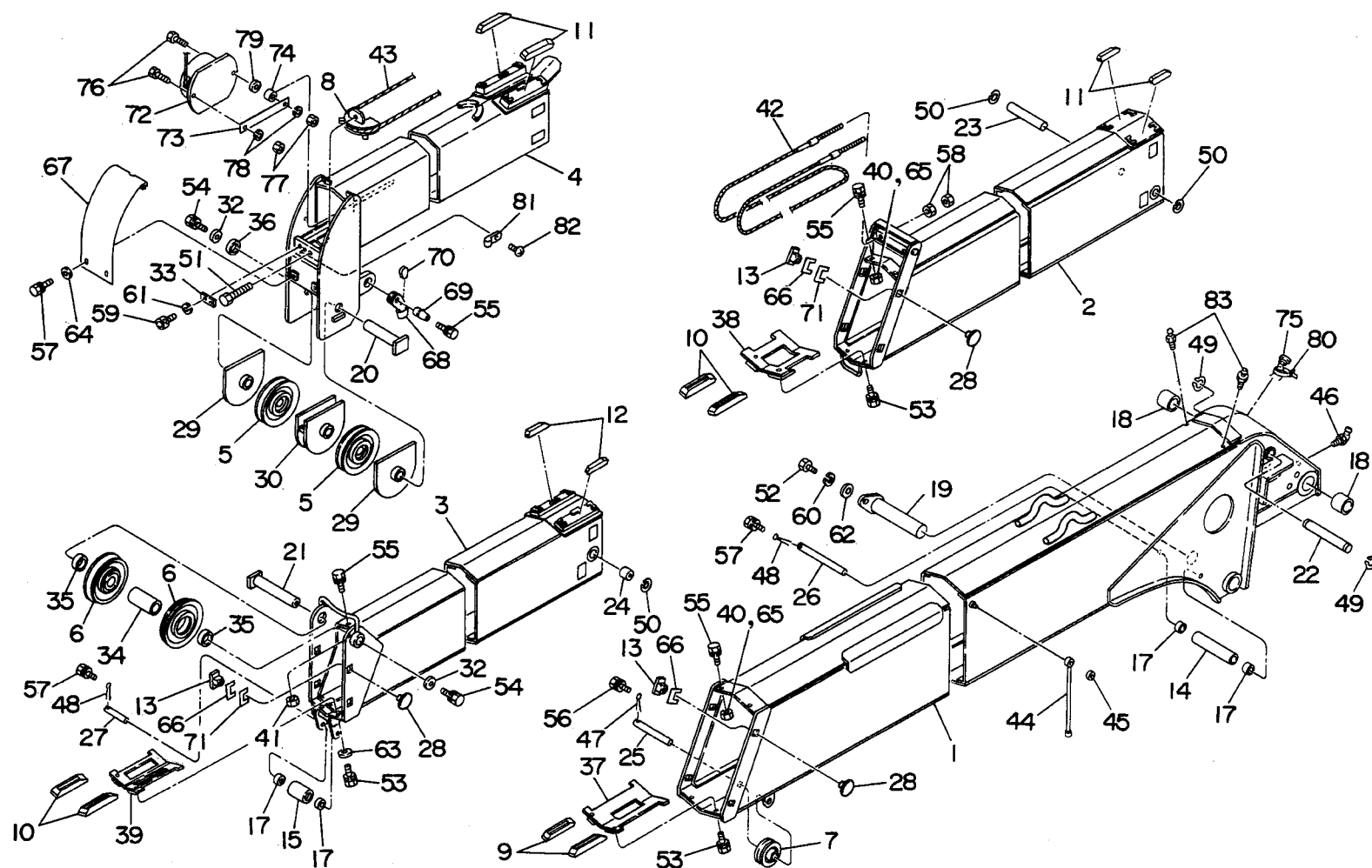


Fig.2 4-section BOOM ASS'Y (URA344)

KEY No.	PARTS No.	PARTS NAME	Q · t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q · t y	M A R K	SERIAL No.	NOTE
76	7111 06020	Bolt	2										
77	7211 11060	Nut	2										
78	7222 11060	Washer-spring	2										
79	7221 12060	Washer-plain	1										
80	7505 16001	Band-wire	1										
81	7505 23002	Clamp-wire	1										
82	7601 10059	Screw-tapping	1										
83	7243 31000	Nipple-grease	2										

↔ ...Interchangeable.

↔ ...New parts can interchange of old parts, but not vice-versa.

⚡ ...Not interchangeable.

△ ...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 3 5-section BOOM ASS'Y (URA345)

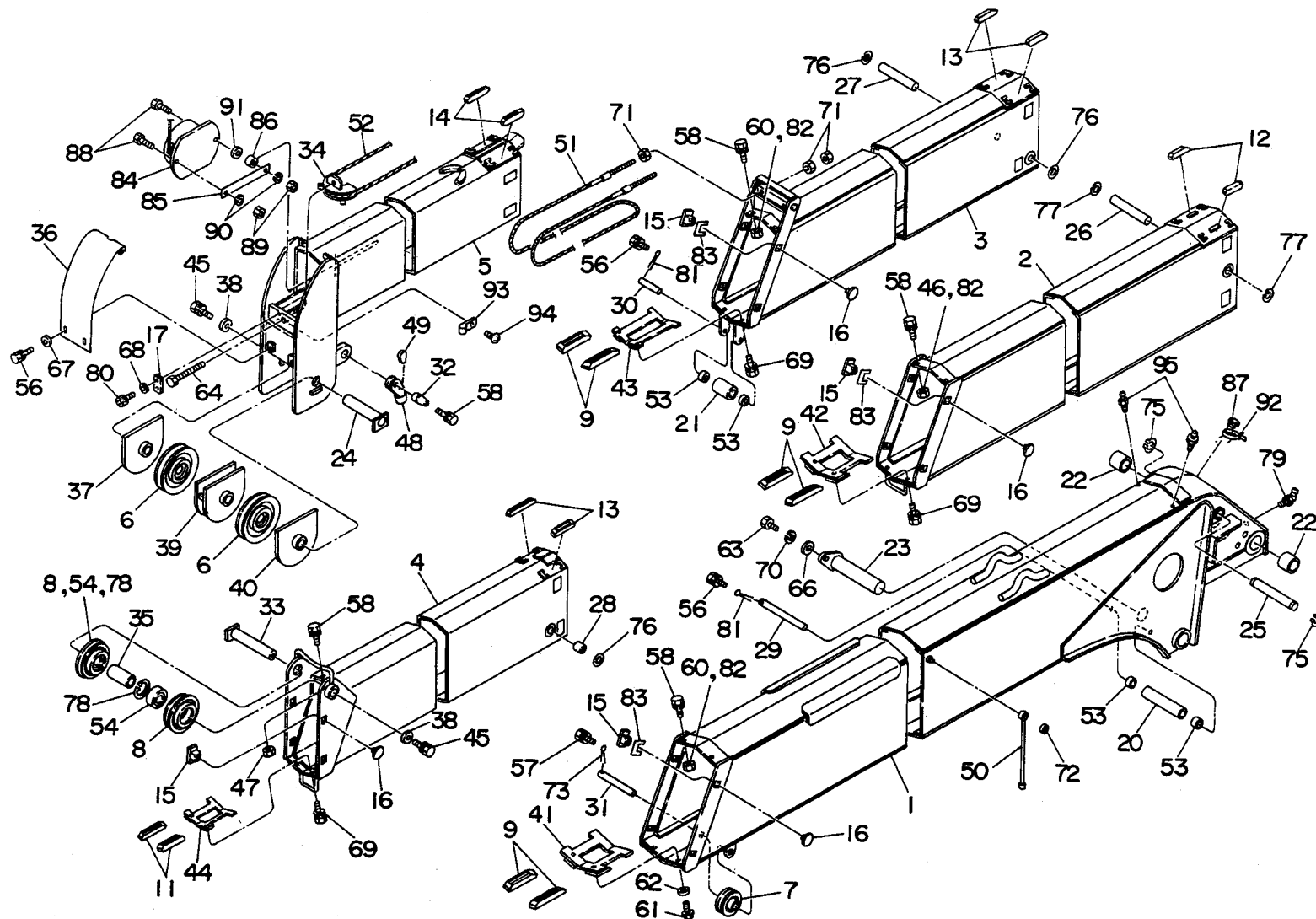


Fig. 3 5-section BOOM ASS'Y (URA345)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~95	08H8 21000	5-section Boom Ass'y	1 set	△			19	☆					
1	08H8 21015	Boom (1)	1				20	0806 21050	Roller	1			
2	08H8 21022	Boom (2)	1				21	0806 21060	Roller	1			
3	08H8 21032	Boom (3)	1				22	0143 11061	Bushing	2			
4	08H8 21041	Boom (4)	1				23	0149 21140	Pin (50)	1			Boom lift
5	08H8 21054	Boom (5)	1				24	0147 21091	Pin (35)	1			Top sheave
6	K821 00811	Sheave Ass'y	2 set				25	0149 21151	Pin (30)	1			Extension (1)
7	0185 21031	Sheave (4.85 × 55)	1				26	0149 21160	Pin (30)	1			Extension (1)
8	0882 21080	Sheave (4.5 × 120)	2				27	0189 21120	Pin (25)	1			Extension (2)
9	0190 21061	Plate-slide (nylon)	6				28	0190 21180	Pin (25)	2			Extension (3)
10	☆						29	0806 21090	Pin (15)	1			Roller
11	0190 21071	Plate-slide (nylon)	2				30	0806 21110	Pin (15)	1			Roller
12	0190 21090	Plate-slide (nylon)	2				31	088D 21090	Pin (20)	1			Slide sheave
13	0190 21110	Plate-slide (nylon)	4				32	0805 21111	Pin (35)	1			Wire socket
14	0149 21370	Plate-slide (nylon)	2				33	0189 21150	Pin (30)	1			Sheave
15	08AC 21130	Plate-slide	16				34	0807 21081	Sheave (3.25 × 100)	1			
16	08AC 21121	Bolt	16				35	0807 21090	Collar	1			
17	0806 21130	Plate	1				36	08H8 21060	Cover	1			
18	☆						37	08H8 21080	Plate	1			

☆...Interchangeable.

△...New parts can interchangeable of old parts, but not vice-versa.

✕...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 3 5-section BOOM ASS'Y (URA345)

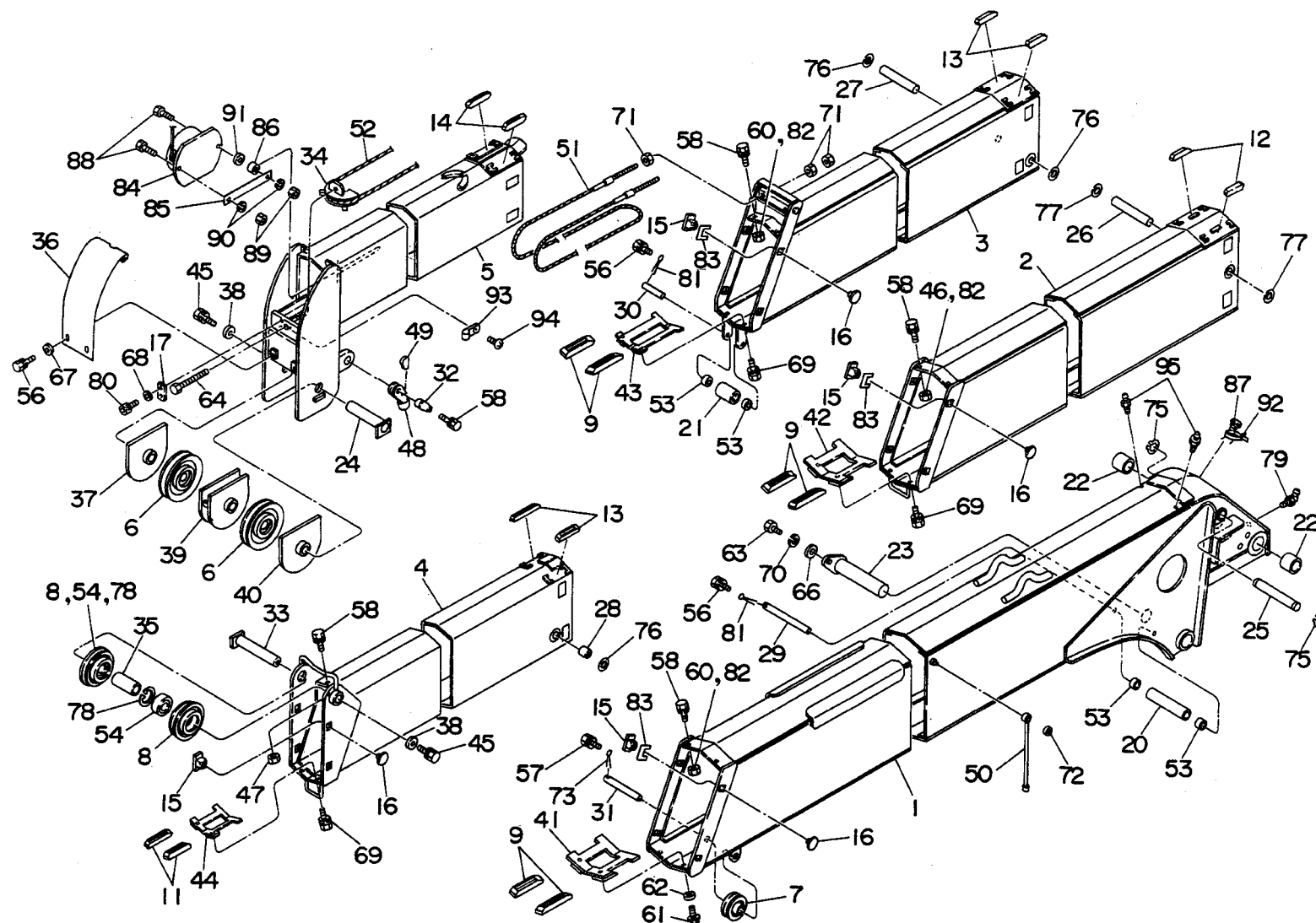


Fig.3 5-section BOOM ASS'Y (URA345)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
38	0119 51060	Plate	2				57	7142 06015	Bolt & Washer	1			
39	0806 21151	Plate	1				58	7141 10016	Bolt & Washer	9			
40	0805 21133	Plate	1				59	☆					
41	080D 21060	Base-slide (160)	1				60	083D 21270	Guide (9.5)	4			
42	080C 21051	Base-slide (160)	1				61	7601 29046	Bolt & Washer	2			
43	08K5 21120	Base-slide (160)	1				62	7221 12100	Washer-plain	4			
44	08H8 21071	Base-slide (120)	1				63	7119 12D25	Bolt	1			
45	7141 10020	Bolt & Washer	2				64	7114 14140	Bolt	1			
46	080D 21070	Guide (7.5)	2				65	☆					
47	080D 21110	Guide (16.5)	2				66	7221 12120	Washer-plain	1			
48	0805 21180	Socket-wire	1				67	7221 12050	Washer-plain	2			
49	0123 32090	Wedge	1				68	7222 11080	Washer-spring	2			
50	0190 21270	Indicator	2				69	7601 29045	Bolt & Washer	6			
51	080D 21120	Rope-wire (Boom Ext)	1				70	7222 11120	Washer-spring	1			
52	080D 21090	Rope-wire (Boom Ret)	1				71	7211 11120	Nut	6			
53	7260 60022	Bearing	4				72	7241 90050	Nut-push	2			
54	7260 63062	Bearing	2				73	7231 08030	Pin-split	1			
55	☆						74	☆					
56	7142 05012	Bolt & Washer	4				75	7241 10300	Ring-snap	2			

⚙...Interchangeable.

⚙...New parts can interchange of old parts, but not vice-versa.

✂...Not interchangeable. △...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 3 5-section BOOM ASS'Y (URA345)

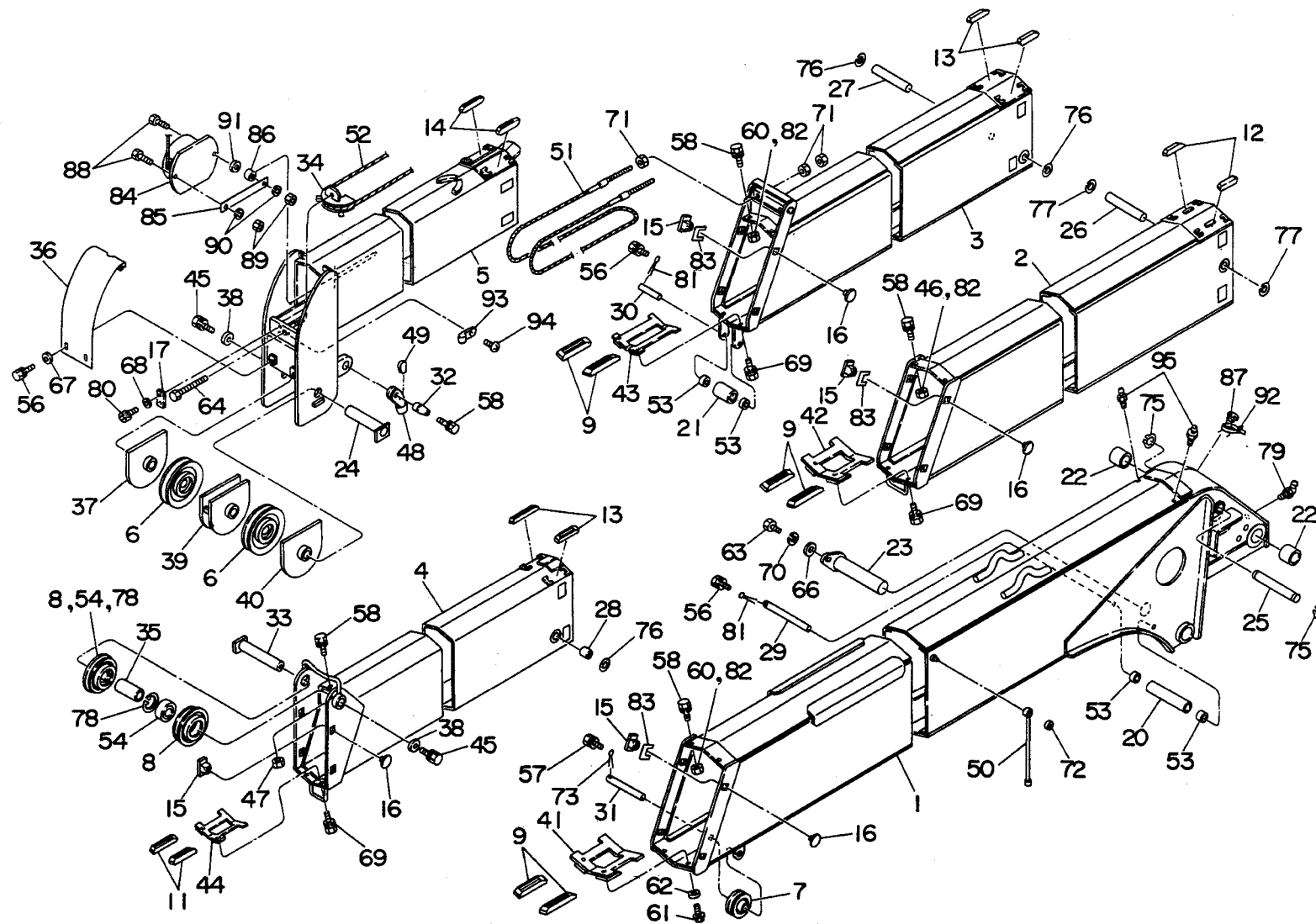


Fig.3 5-section BOOM ASS'Y (URA345)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
76	7241 20250	Ring-snap	4				95	7243 31000	Nipple-grease	2			
77	7241 20300	Ring-snap	2										
78	7241 20720	Ring-snap	2										
79	7243 34000	Nipple-grease	1										
80	7161 08020	Bolt	2										
81	7231 06025	Pin-split	2										
82	080C 21140	Shim	10			t = 1.0							
83	08H6 21071	Shim	24			t = 1.0							
84	7505 18032	Reel-cord	1			CR2109F3							
85	08K5 21190	Plate	1										
86	2500 96140	Collar	1										
87	08H6 21131	Cap	1										
88	7111 06020	Bolt	2										
89	7211 11060	Nut	2										
90	7222 11060	Washer-spring	2										
91	7221 12060	Washer-plain	1										
92	7505 16001	Band-wire	1										
93	7505 23002	Clamp-wire	1										
94	7601 10059	Screw-tapping	1										

⌀...Interchangeable.

⌀...New parts can interchange of old parts, but not vice-versa.

✂...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 4 EXTENSION CYLINDER (1) ASS'Y (URA343)

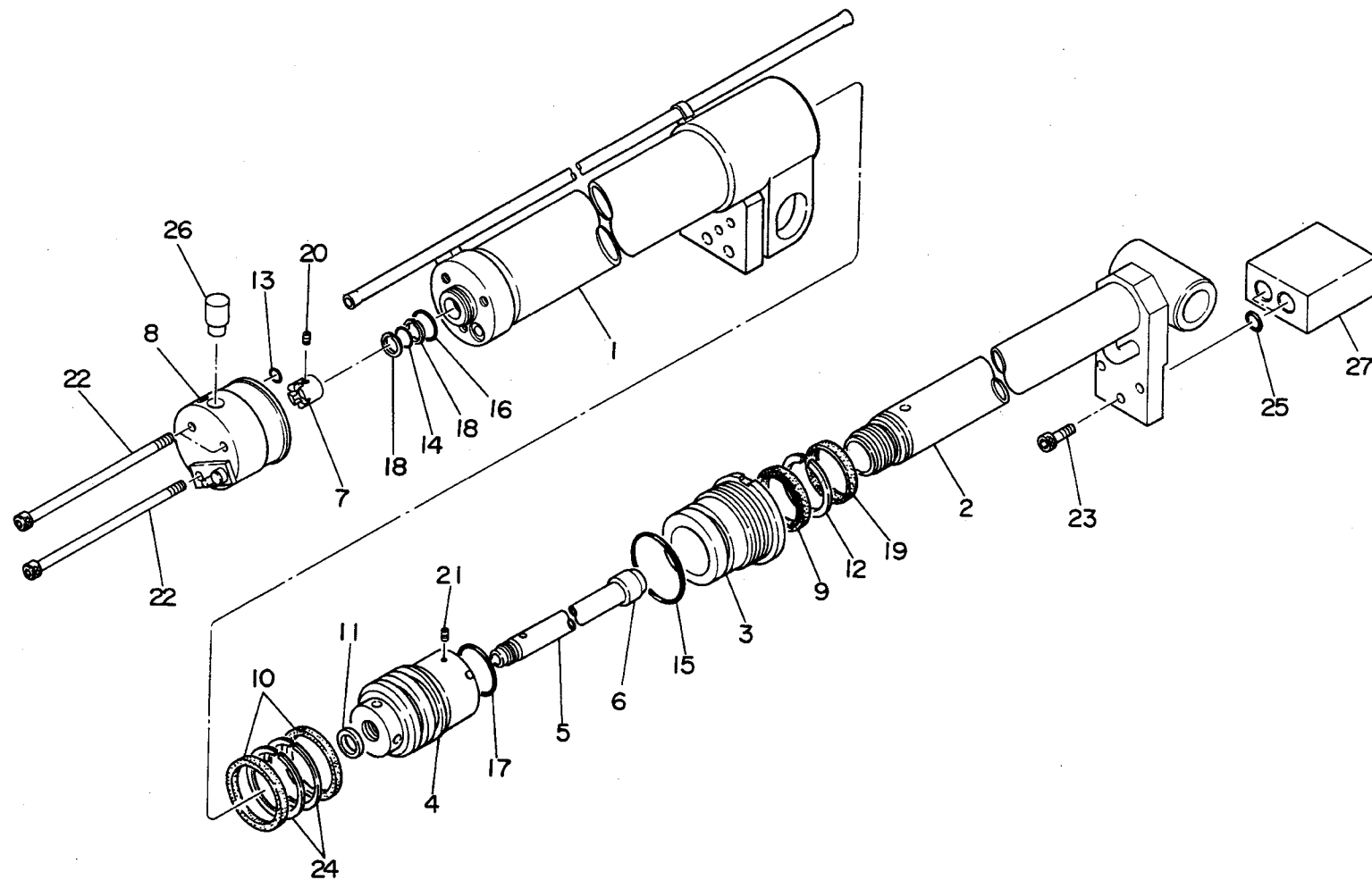


Fig. 4 EXTENSION CYLINDER (1) ASS'Y (URA343)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~26	08H6 15000	Extension cylinder (1) Ass'y	1 set				S 16	7311 91026	Ring-"O"	1			
1	08H6 15013	Tube Ass'y (1)	1				S 17	7311 92045	Ring-"O"	1			
	08H6 15014	Tube Ass'y (1)	1				S 18	7321 21018	Ring-back up	2			
2	080B 15023	Rod Ass'y (1)	1				S 19	8290 45053	Seal-dust	1			
	08H6 15030	Rod Ass'y (1)	1				20	7049 06006	Screw-set	1			
3	0805 15030	Gland	1				21	7049 06008	Screw-set	1			
4	0805 15040	Piston	1				22	7161 08100	Bolt	3			
5	0807 15022	Pipe-slide	1				23	7161 08030	Bolt	3			
6	0800 14050	Stopper	1				S 24	8280 55065	Ring-back up	2			
7	0805 15060	Nut	1				S 25	7311 91016	Ring-"O"	2			
8	0805 15071	Selector valve Ass'y	1				26	08H6 15020	Pin	1			
		See Fig.11-1					27	6014 73000	Extension cylinder holding valve Ass'y	1			CB-03ET
S 9	8230 45055	Packing	1						See Fig. HP3				
S 10	8230 55065	Packing	2										
S 11	8380 18024	Packing	1										
S 12	8280 45055	Ring-back up	1										
S 13	7311 91015	Ring-"O"	2										
S 14	7311 71018	Ring-"O"	1										
S 15	7311 91058	Ring-"O"	1				S	9180 515p0	Packing set	1 set			

⌀...Interchangeable.

⌀...New parts can interchangeable of old parts, but not vice-versa.

✂...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 5 EXTENSION CYLINDER (2) ASS'Y (URA343)

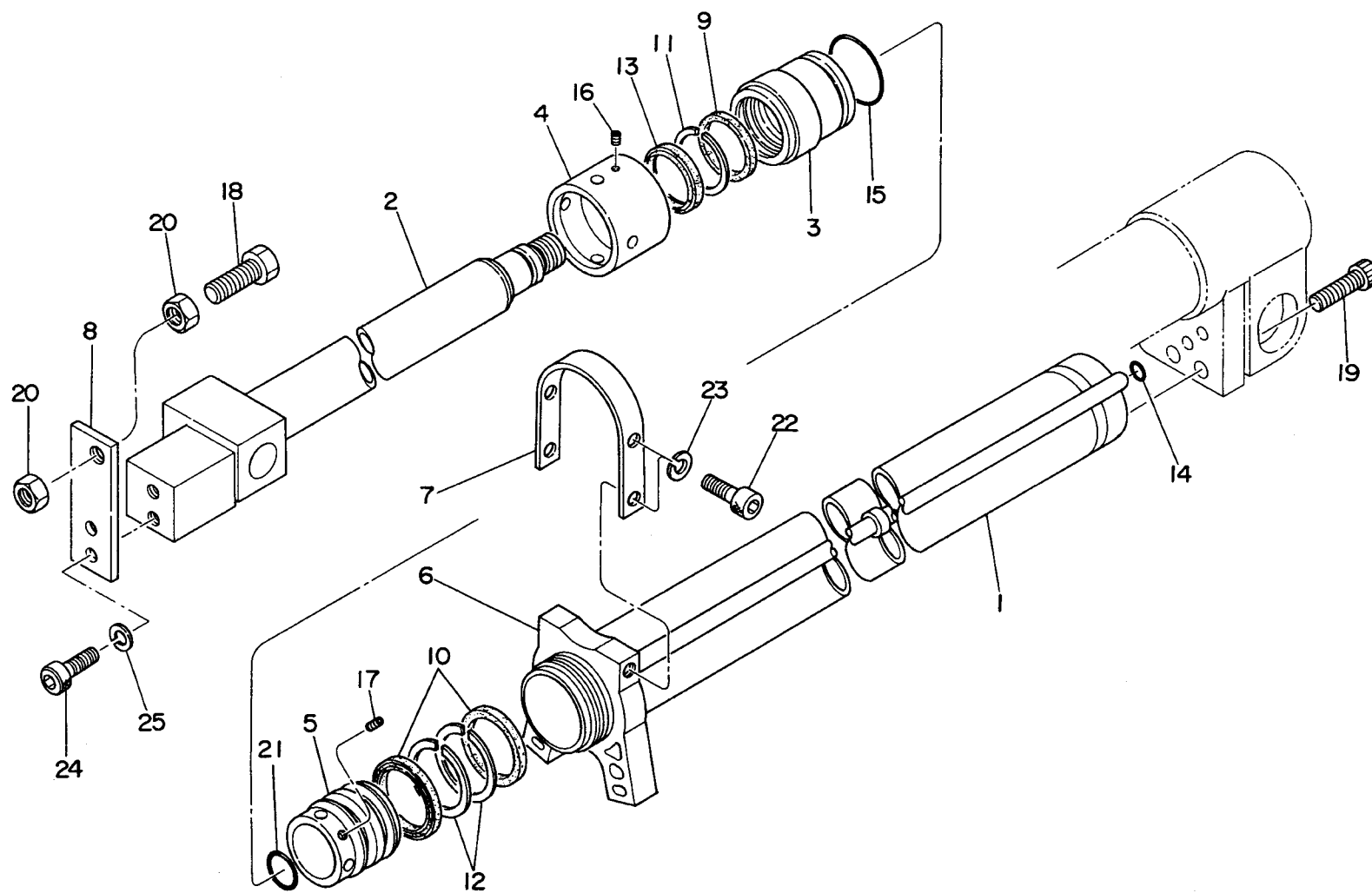


Fig.5 EXTENSION CYLINDER (2) ASS'Y (URA343)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~25	08H6 17000	Extension cylinder (2) Ass'y	1 set				18	7114 14050	Bolt	1			
1	080B 17011	Tube Ass'y (1)	1				19	7161 12030	Bolt	3			
2	08H6 17022	Rod Ass'y (1)	1				20	7211 11140	Nut	2			
	08H6 17023	Rod Ass'y (1)	1				S 21	7311 92025	Ring- "O"	1			
3	0144 15031	Gland	1				22	7161 08015	Bolt	4			
4	0805 17031	Cover-cylinder	1				23	7222 11080	Washer-spring	4			
5	080B 17030	Piston	1				24	7161 10020	Bolt	2			
6	08H6 17011	Bracket	1				25	7222 11100	Washer-spring	2			
7	0805 17060	Band	1										
8	08H6 17031	Plate (1)	1										
S 9	8230 40050	Packing	1				S	9114 415p0	Packing set	1 set			
S 10	8230 45055	Packing	2										
S 11	8280 40050	Ring-back up	1										
S 12	8280 45055	Ring-back up	2										
S 13	8290 40048	Seal-dust	1										
S 14	7311 91012	Ring- "O"	2										
S 15	7311 92050	Ring- "O"	1										
16	7049 06006	Screw-set	1										
17	7049 06010	Screw-set	1										

↔ ...Interchangeable. ↗ ...New parts can interchangeable of old parts, but not vice-versa.

⚡ ...Not interchangeable. △ ...Part not for sale. D...Disuse. Q...Quantity

Fig.6 EXTENSION CYLINDER (1) ASS'Y (URA344)

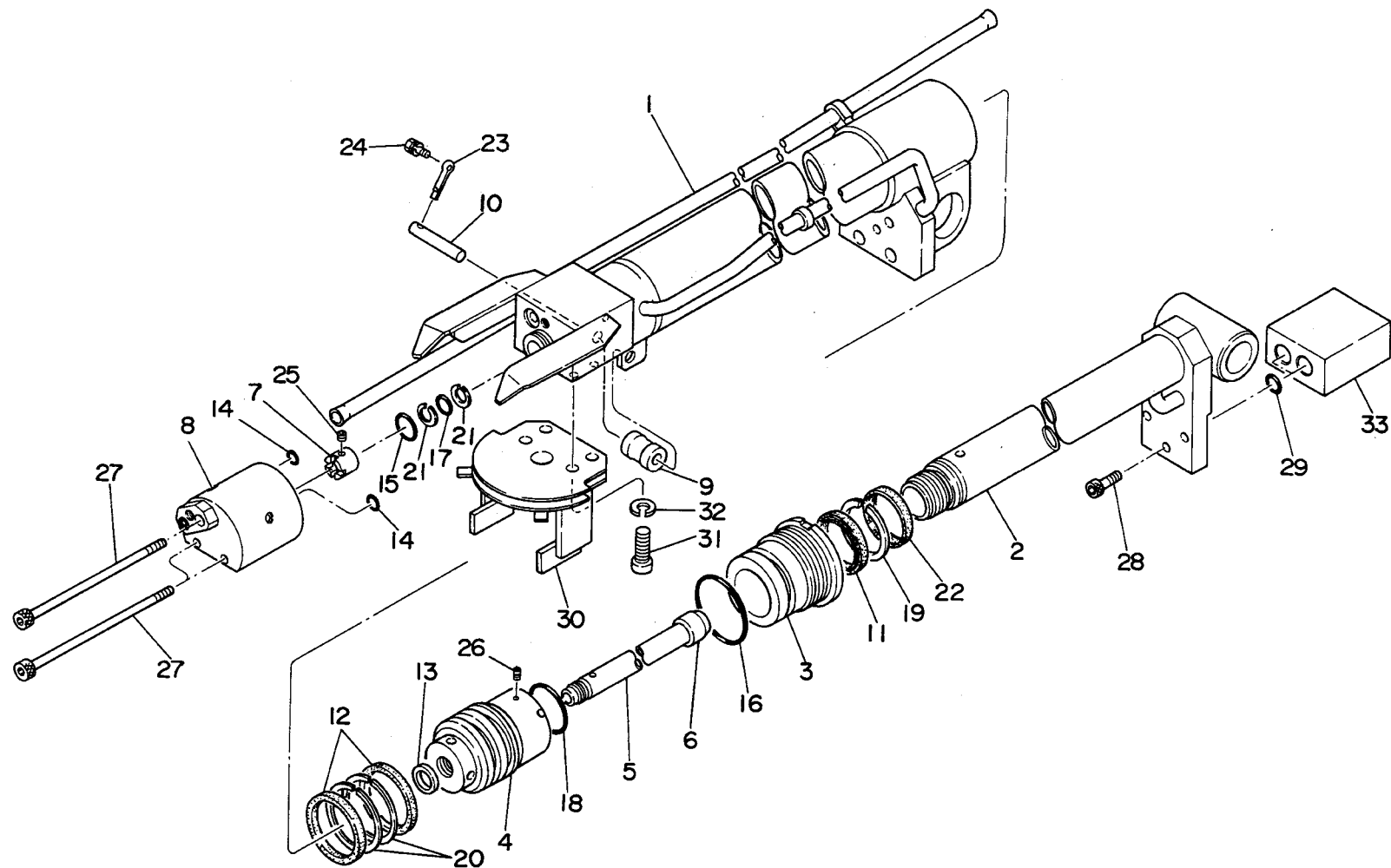


Fig.6 EXTENSION CYLINDER (1) ASS'Y (URA344)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~32	08H7 15000	Extension cylinder (1) Ass'y	1 set				S16	7311 91058	Ring-"O"	1			
1	08H7 15013	Tube Ass'y (1)	1				S17	7311 71018	Ring-"O"	1			
	08H7 15014	Tube Ass'y (1)	1				S18	7311 92045	Ring-"O"	1			
2	080B 15023	Rod Ass'y (1)	1				S19	8280 45055	Ring-back up	1			
	08H6 15030	Rod Ass'y (1)	1				S20	8280 55065	Ring-back up	2			
3	0805 15030	Gland	1				S21	7321 21018	Ring-back up	2			
4	0805 15040	Piston	1				S22	8290 45053	Seal-dust	1			
5	080C 15021	Pipe-slide	1				23	7231 06025	Pin-split	1			
6	0800 14050	Stopper	1				24	7142 05012	Bolt & washer	1			
7	0805 15060	Nut	1				25	7049 06006	Screw-set	1			
8	0806 15031	Selector valve Ass'y	1				26	7049 06008	Screw-set	1			
		See Fig. 11-2					27	7161 08100	Bolt	3			
9	0190 15131	Roller	1				28	7161 08030	Bolt	3			
10	08H7 15020	Pin (10)	1				S29	7311 91016	Ring-"O"	2			
S11	8230 45055	Packing	1				30	0806 15040	Sheave	1			
S12	8230 55065	Packing	2				31	7161 10025	Bolt	4			
S13	8380 18024	Packing	1				32	7222 11100	Washer-spring	4			
S14	7311 91015	Ring-"O"	2				33	6014 73000	Extension cylinder holding valve Ass'y	1			CB-03ET
S15	7311 91026	Ring-"O"	1						See Fig. HP3				

↺...Interchangeable.

↻...New parts can interchangeable of old parts, but not vice-versa.

✂...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig.6 EXTENSION CYLINDER (1) ASS'Y (URA344)

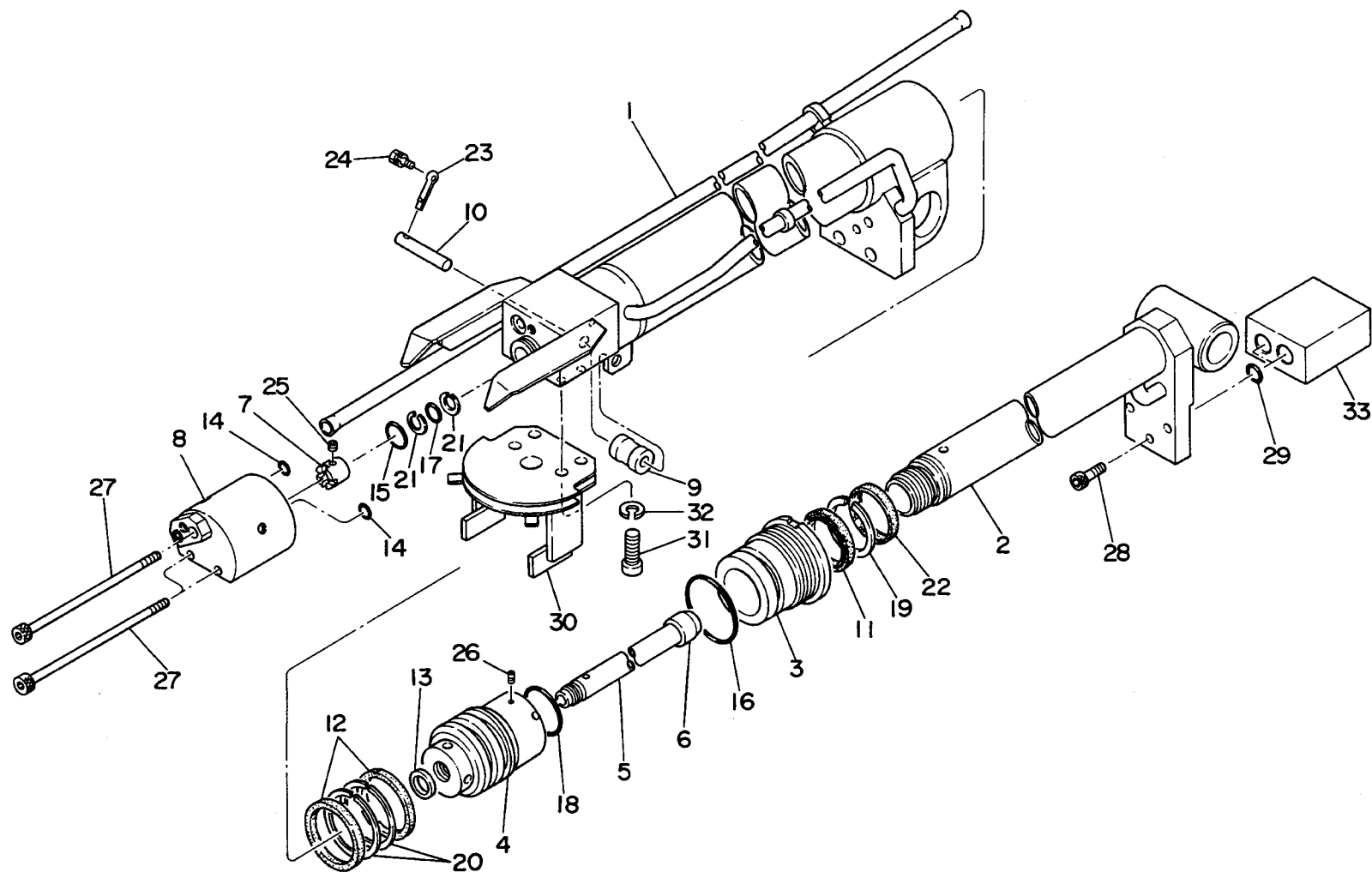


Fig. 6 EXTENSION CYLINDER (1) ASS'Y (URA344)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
S	9180 515p0	Picking set	1 set										

⌀...Interchangeable.

⌀...New parts can interchange with old parts, but not vice-versa.

✕...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig.7 EXTENSION CYLINDER (2) ASS'Y (URA344)

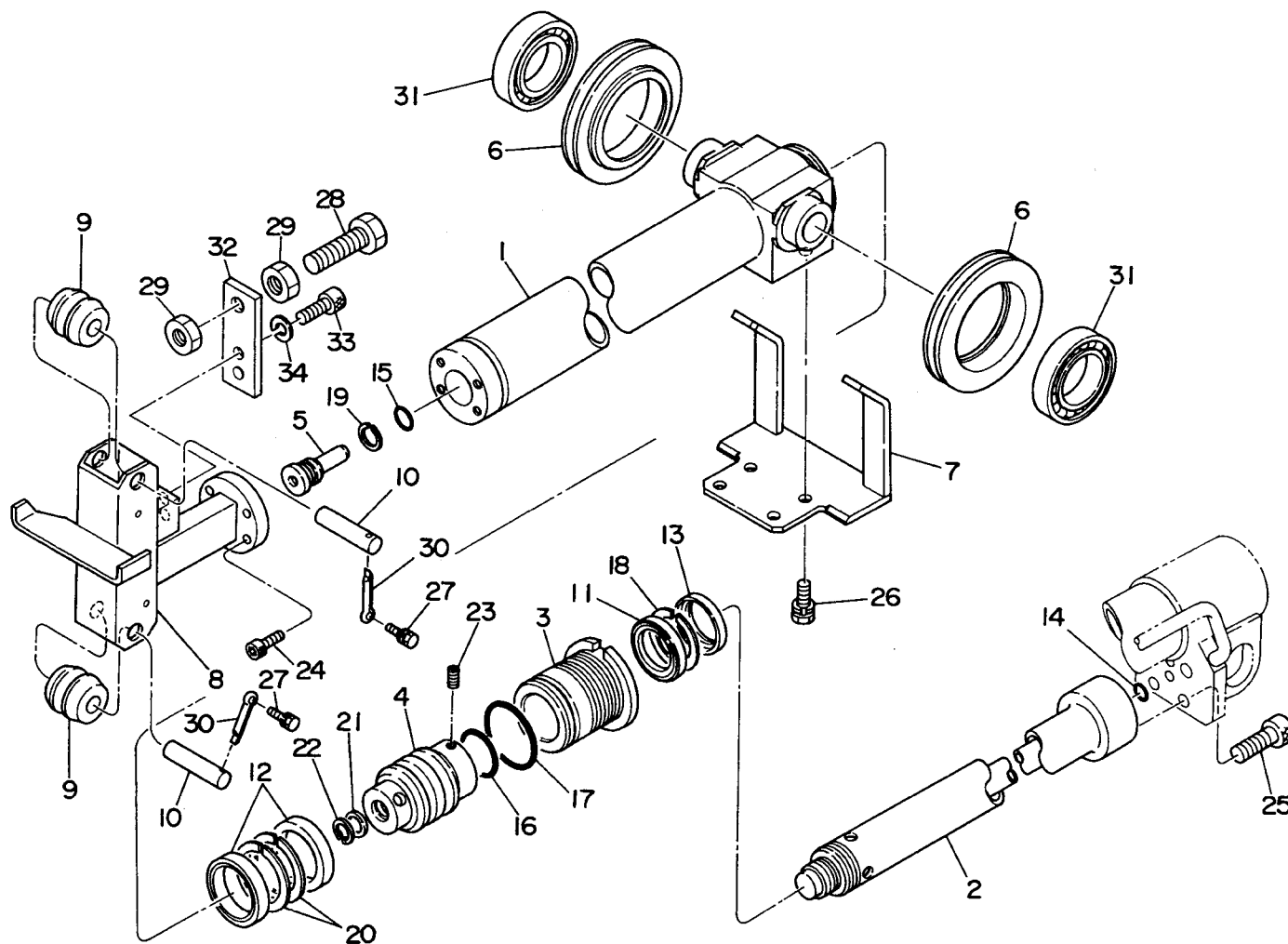


Fig. 7 EXTENSION CYLINDER (2) ASS'Y (URA344)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~34	08H7 17000	Extension cylinder (2) Ass'y	1 set	(Note)		(Note) Parts with KEY No. of 6 and 31 are not included in this assembly.	S 17	7311 92060	Ring- "O"	1			
1	080C 17010	Tube Ass'y (1)	1				S 18	8280 45055	Ring-back up	1			
2	080C 17023	Rod Ass'y (1)	1				S 19	7321 21016	Ring-back up	1			
	08H7 17030	Rod Ass'y (1)	1				S 20	8330 52065	Ring-back up	2			
3	0806 17030	Gland	1				S 21	8340 12015	Seal-cushion	1			
4	080C 17031	Piston	1				22	7241 60160	Ring-snap	1			
5	083J 19050	Plunger	1				23	7049 06008	Screw-set	1			
6	0806 17060	Sheave (4.5 × 120)	2				24	7161 08020	Bolt	4			
7	080C 17040	Cover	1				25	7161 12035	Bolt	4			
8	08H7 17020	Bracket	1				26	7141 08015	Bolt & Washer	4			
	08H7 17021	Bracket	1				27	7142 05012	Bolt & Washer	2			
9	080C 17060	Roller	2				28	0158 15071	Bolt	1			
10	080C 17070	Pin (15)	2				29	7211 11140	Nut	2			
S 11	8230 45055	Packing	1				30	7231 06030	Pin-split	2			
S 12	8320 52065	Packing	2				31	7260 60102	Bearing	2			
S 13	8290 45053	Seal-dust	1				32	08H6 17031	Plate (1)	1			
S 14	7311 91012	Ring- "O"	2				33	7161 10020	Bolt	2			
S 15	7311 91016	Ring- "O"	1				34	7222 11100	Washer-spring	2			
S 16	7311 92045	Ring- "O"	1				S	9180 C17P0	Packing set	1 set			

⊙...Interchangeable. ⊙...New parts can interchangeable of old parts, but not vice-versa.

✕...Not interchangeable. △...Part not for sale. D...Disuse. Q...Quantity

Fig.8 EXTENSION CYLINDER (1) ASS'Y (URA345)

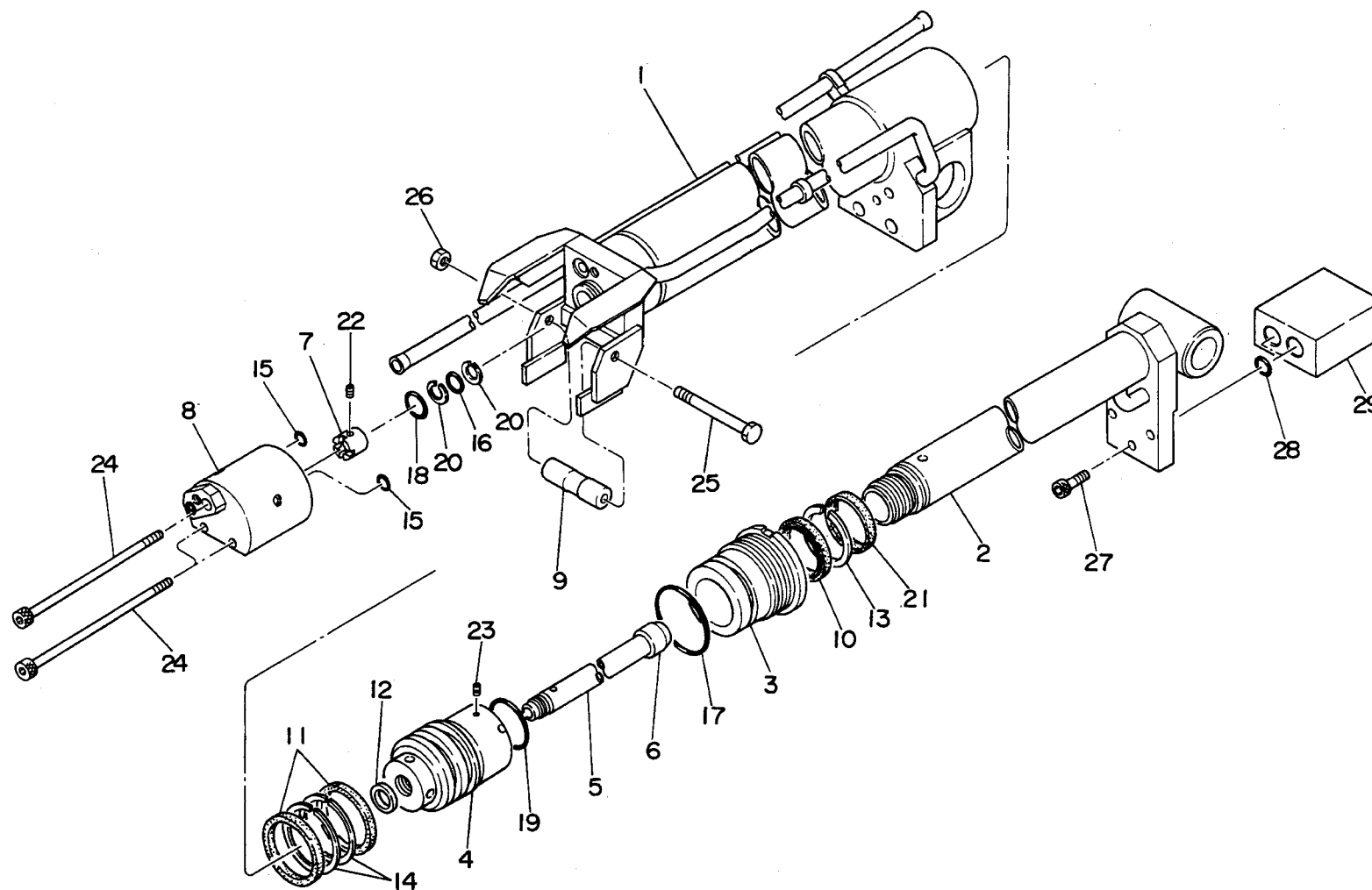


Fig.8 EXTENSION CYLINDER (1) ASS'Y (URA345)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~28	08H8 15000	Extension cylinder (1) Ass'y	1 set				S 17	7311 91058	Ring- "O"	1			
1	08H8 15015	Tube Ass'y (1)	1				S 18	7311 91026	Ring- "O"	1			
2	080B 15023	Rod Ass'y (1)	1				S 19	7311 92045	Ring- "O"	1			
	08H6 15030	Rod Ass'y (1)	1				S 20	7321 21018	Ring-back up	2			
3	0805 15030	Gland	1				S 21	8290 45053	Seal-dust	1			
4	0805 15040	Piston	1				22	7049 06006	Screw-set	1			
5	080D 15021	Pipe-slide	1				23	7049 06008	Screw-set	1			
6	0800 14050	Stopper	1				24	7161 08100	Bolt	3			
7	0805 15060	Nut	1				25	7111 10095	Bolt	1			
8	0806 15031	Selector valve Ass'y	1				26	7211 11100	Nut	1			
		See Fig. 11-2					27	7161 08030	Bolt	3			
9	0190 14111	Roller	1				S 28	7311 91016	Ring- "O"	2			
S 10	8230 45055	Packing	1				29	6014 73000	Extension cylinder holding valve Ass'y				CB-03ET
S 11	8230 55065	Packing	2						See Fig. HP3				
S 12	8380 18024	Packing	1				S	9180 515p0	Packing set	1 set			
S 13	8280 45055	Ring-back up	1										
S 14	8280 55065	Ring-back up	2										
S 15	7311 91015	Ring- "O"	2										
S 16	7311 71018	Ring- "O"	1										

⌀...Interchangeable.

⌀...New parts can interchangeable of old parts, but not vice-versa.

✂...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig.9 EXTENSION CYLINDER (2) ASS'Y (URA345)

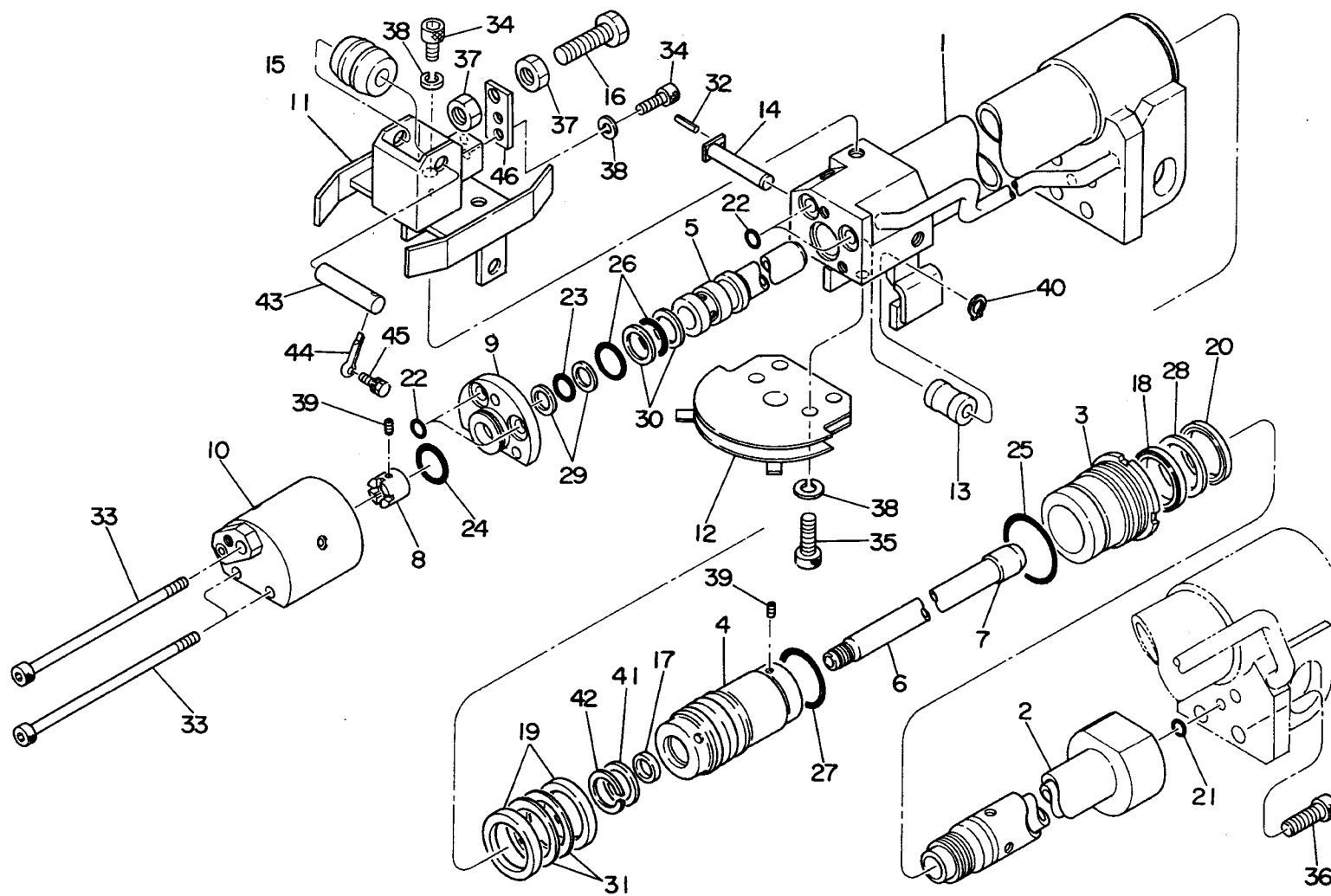


Fig. 9 EXTENSION CYLINDER (2) ASS'Y (URA345)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~46	08H8 17000	Extension cylinder (2) Ass'y	1	set			16	0158 15071	Bolt	1			
1	080D 17011	Tube Ass'y (1)	1				S 17	8380 18024	Packing	1			
2	080D 17022	Rod Ass'y (1)	1				S 18	8230 40050	Packing	1			
	08H8 17040	Rod Ass'y (1)	1				S 19	8320 45055	Packing	2			
3	0190 15031	Gland	1				S 20	8290 40048	Seal-dust	1			
4	0882 17020	Piston	1				S 21	7311 91012	Ring- "O"	2			
5	080D 17030	Plunger	1				S 22	7311 91015	Ring- "O"	4			
6	0807 17052	Pipe-slide	1				S 23	7311 71018	Ring- "O"	1			
7	0800 14050	Stopper	1				S 24	7311 91026	Ring- "O"	1			
8	0805 15060	Nut	1				S 25	7311 91648	Ring- "O"	1			
9	0807 17060	Spacer	1				S 26	7311 92025	Ring- "O"	2			
10	0806 15031	Selector valve Ass'y	1				S 27	7311 92040	Ring- "O"	1			
		See Fig.11-2					S 28	8280 40050	Ring-back up	1			
11	08H8 17021	Bracket (1)	1				S 29	7321 21018	Ring-back up	2			
	08H8 17022	Bracket (1)	1				S 30	7321 22025	Ring-back up	2			
12	0807 17080	Sheave	1				S 31	8330 45055	Ring-back up	2			
13	0190 15131	Roller	1				32	7234 03012	Pin-spring	1			
14	0806 15050	Pin (10)	1				33	7161 08110	Bolt	3			
15	080C 17060	Roller	1				34	7161 10020	Bolt	5			

⊕ ...Interchangeable.

⊕ ...New parts can interchangeable of old parts, but not vice-versa.

⊗ ...Not interchangeable.

△ ...Part not for sale.

D...Disuse.

Q...Quantity

Fig.9 EXTENSION CYLINDER (2) ASS'Y (URA345)

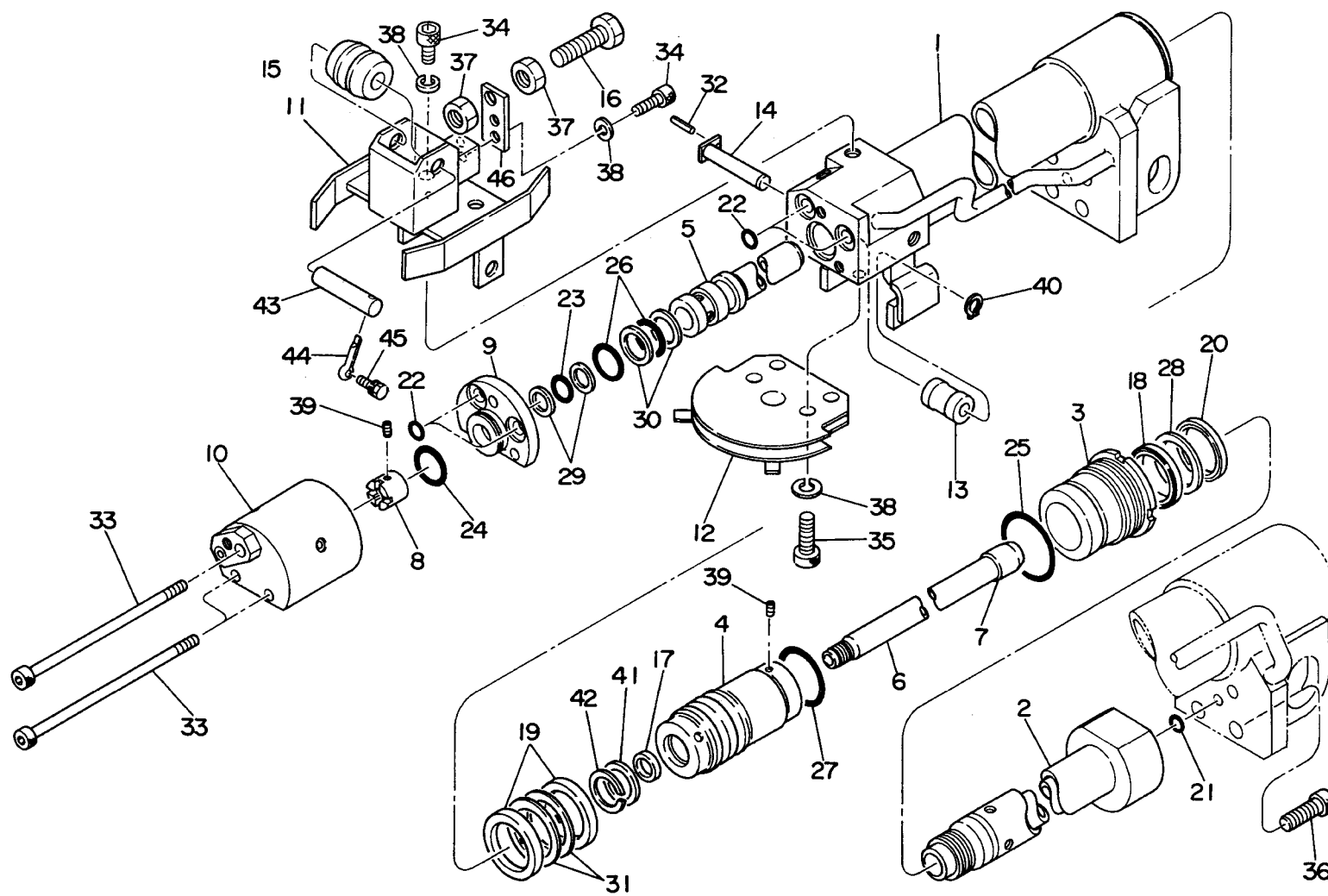


Fig. 9 EXTENSION CYLINDER (2) ASS'Y (URA345)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
37	7211 11140	Nut	2										
38	7222 11100	Washer-spring	9	Q		7→9							
39	7049 06006	Screw-set	2										
40	7241 10100	Ring-snap	1										
S 41	8340 25029	Seal-cushion	1										
42	7241 70250	Ring-snap	1										
43	080C 17070	Pin (15)	1										
44	7231 06030	Pin-split	1										
45	7142 05012	Bolt & Washer	1										
46	08H8 17030	Plate	1										
	08H8 17050	Plate	1										
S	9180 D17P0	パッキンセット Packing set	1 set										

Q...Interchangeable.

Q...New parts can interchangeable of old parts, but not vice-versa.

X...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig.10 EXTENSION CYLINDER (3) ASS'Y (URA345)

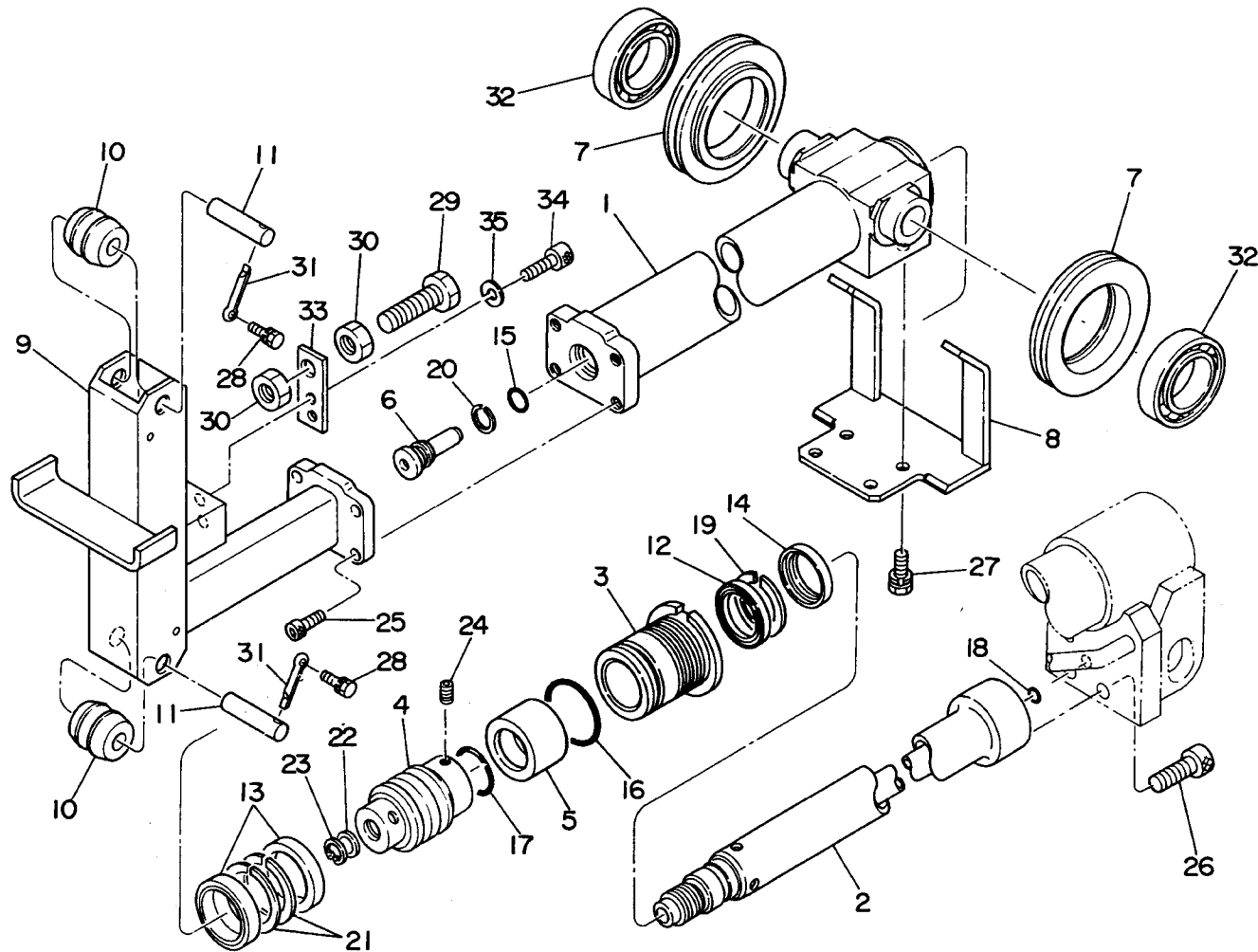


Fig.10 EXTENSION CYLINDER (3) ASS'Y (URA345)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~35	08H8 19000	Extension cylinder (3) Ass'y	1	(Note)		(Note) Parts with KEY No. of 7 and 32 are not included in this assembly.	S 17	7311 92030	Ring- "O"	1			
1	080D 19011	Tube Ass'y (1)	1				S 18	7311 91012	Ring- "O"	2			
2	080D 19020	Rod Ass'y (1)	1				S 19	8400 36046	Ring-back up	1			
	08H8 19040	Rod Ass'y (1)	1				S 20	7321 21016	Ring-back up	1			
3	0190 16030	Gland	1				S 21	8330 40050	Ring-back up	2			
4	0882 19030	Piston	1				S 22	8340 12015	Seal-cushion	1			
5	0807 19040	Spacer	1				23	7241 60160	Ring-snap	1			
6	083J 19050	Plunger	1				24	7049 06008	Screw-set	1			
7	0190 16090	Sheave	2				25	7161 08020	Bolt	4			
8	080D 19030	Cover	1				26	7161 12035	Bolt	4			
9	08H8 19020	Bracket	1				27	7141 08015	Bolt & Washer	4			
	08H8 19021	Bracket	1				28	7142 05012	Bolt & Washer	2			
10	080C 17060	Roller	2				29	0158 15071	Bolt	1			
11	080C 17070	Pin (15)	2				30	7211 11140	Nut	2			
S 12	8390 36046	Packing	1				31	7231 06030	Pin-split	2			
S 13	8320 40050	Packing	2				32	7260 60082	Bearing	2			
S 14	8290 36044	Seal-dust	1				33	08H8 19030	Plate	1			
S 15	7311 91016	Ring- "O"	1					08H8 19050	Plate	1			
S 16	7311 91048	Ring- "O"	1				34	7161 10020	Bolt	2			

↺...Interchangeable.

↺...New parts can interchangeable of old parts, but not vice-versa.

↺...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 10 EXTENSION CYLINDER (3) ASS'Y (URA345)

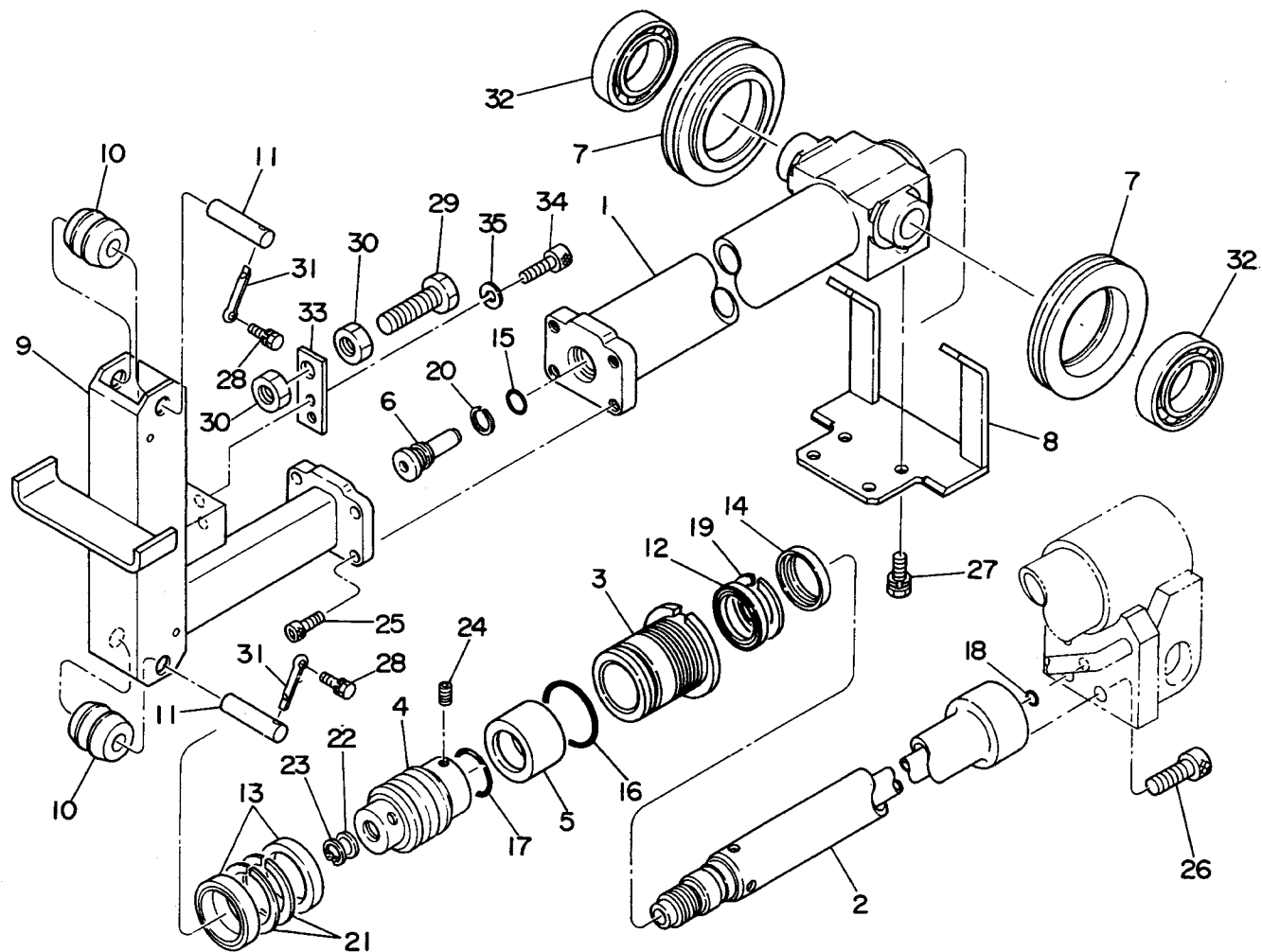


Fig. 10 EXTENSION CYLINDER (3) ASS'Y (URA345)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
35	7222 11100	Washer-spring	2										
S	9180 D19P0	Packing set	1 set										

↔ ...Interchangeable.

↔ ...New parts can interchangeable of old parts, but not vice-versa.

✂ ...Not interchangeable.

△ ...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 11-1 SELECTOR VALVE ASS'Y (URA343)

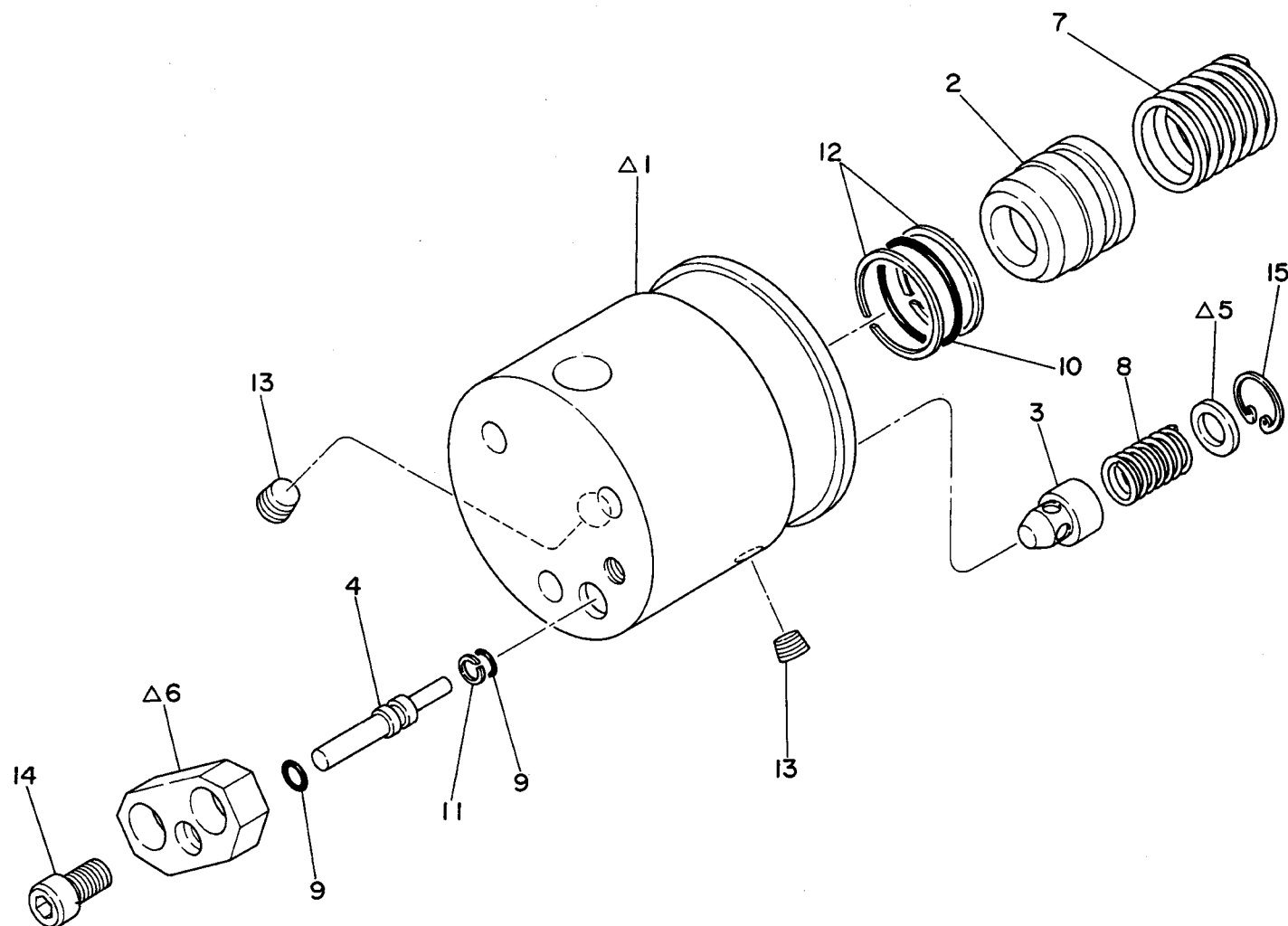


Fig. 11-1 SELECTOR VALVE ASS'Y (URA343)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~15	0805 15071	Selector valve Ass'y	1	set									
1	☆	Body	1	△									
2	K815 07020	Valve-check (1)	1										
3	V314 09031	Valve-check (2)	1										
4	K815 07070	Spool	1										
5	☆	Collar	1	△									
6	☆	Cover	1	△									
7	K815 07050	Spring (1)	1										
8	K815 07060	Spring (2)	1										
9	7311 71006	Ring-"O"	2										
10	7701 70033	Ring-"O"	1										
11	7321 21006	Ring-back up	1										
12	7701 80040	Ring-back up	2										
13	7287 20100	Plug	2										
14	7161 08015	Bolt	1										
15	7241 20140	Ring-snap	1										

☆...Interchangeable.

○...New parts can interchangeable of old parts, but not vice-versa.

✕...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 11-2 SELECTOR VALVE ASS'Y (URA344, 345)

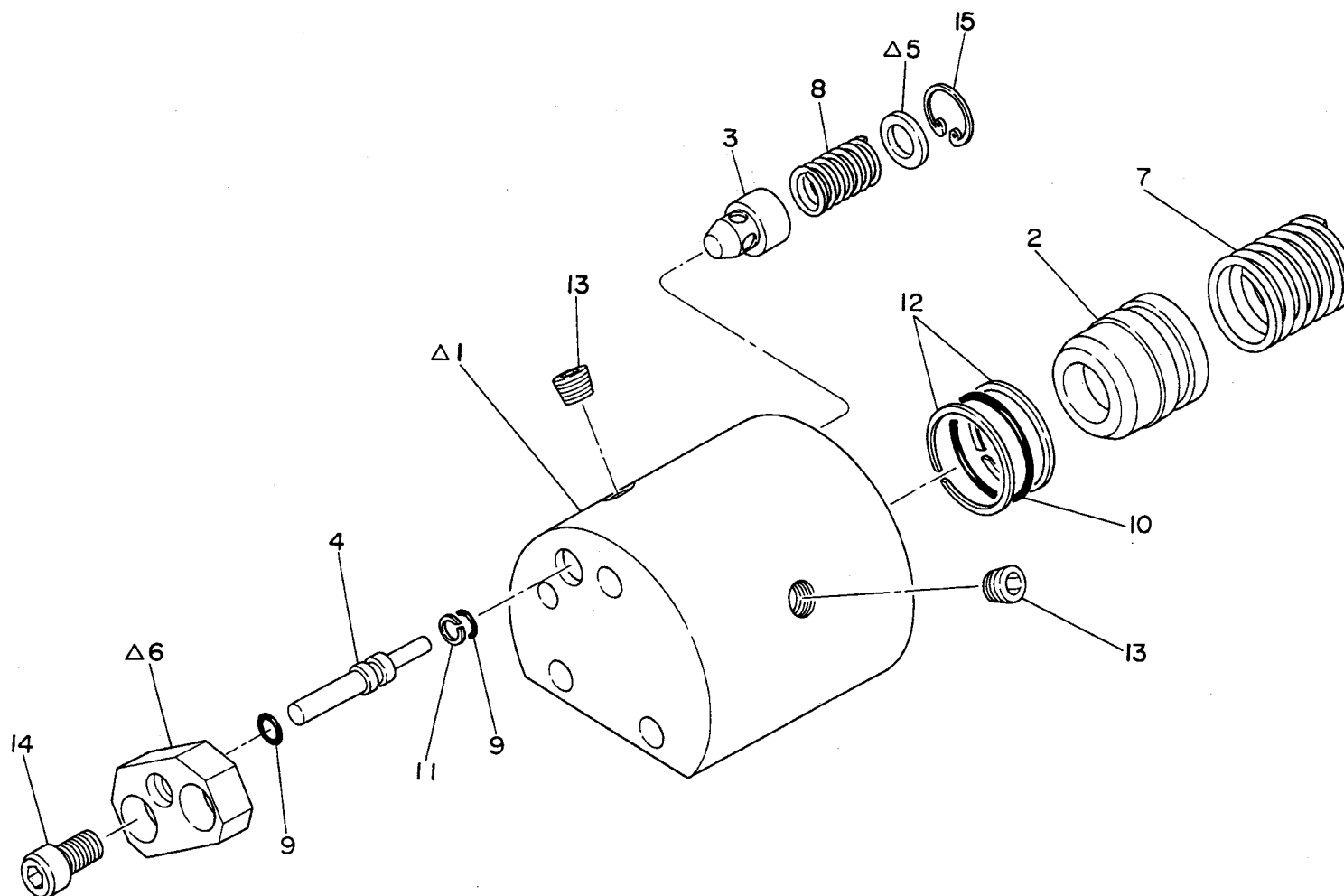


Fig. 11-2 SELECTOR VALVE ASS'Y (URA344, 345)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~15	0806 15031	Selector valve Ass'y	1	set									
1	☆	Body	1	△									
2	K815 07020	Valve-check (1)	1										
3	V314 09031	Valve-check (2)	1										
4	K815 07070	Spool	1										
5	☆	Collar	1	△									
6	☆	Cover	1	△									
7	K815 07050	Spring (1)	1										
8	K815 07060	Spring (2)	1										
9	7311 71006	Ring-"O"	2										
10	7701 70033	Ring-"O"	1										
11	7321 21006	Ring-back up	1										
12	7701 80040	Ring-back up	2										
13	7287 20100	Plug	2										
14	7161 08015	Bolt	1										
15	7241 20140	Ring-snap	1										

Fig. 12-1 HOOK ASS'Y (URA343)

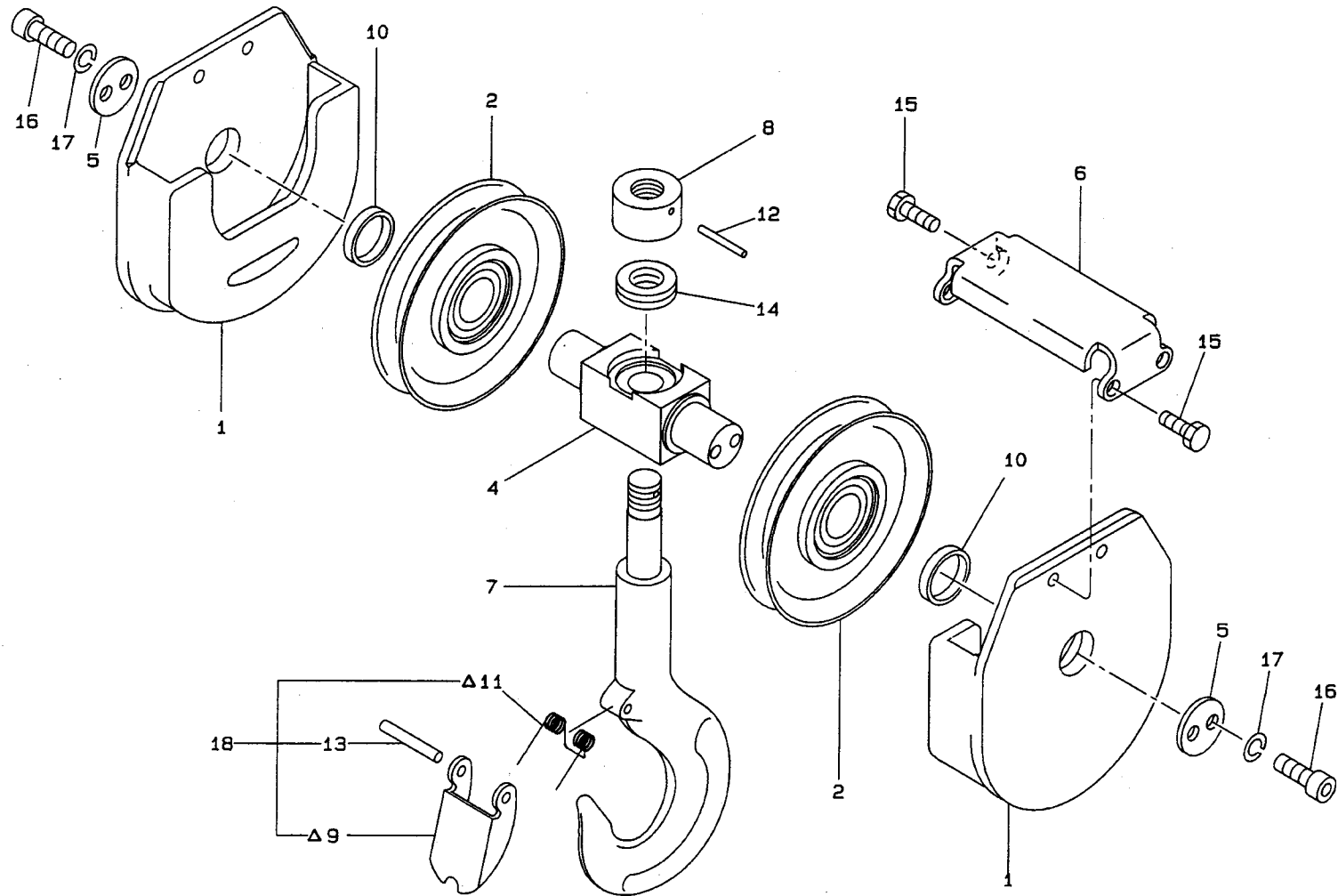


Fig. 12-1 HOOK ASS'Y (URA343)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~18	08H6 35000	Hook Ass'y	1 set			φ 146							
1	08H6 35013	Plate-side	2										
2	K821 00811	Sheave Ass'y	2 set										
3	☆												
4	08D4 36030	Trunnion	1										
5	08D4 36040	Plate	2										
6	08H6 35031	Stopper	1										
7	08D4 36050	Hook	1										
8	0138 32070	Nut	1										
A 9	☆	Stopper	1	△									
10	0805 35040	Collar	2										
A11	☆	Spring	1	△									
12	7234 05050	Pin-spring	1										
A13	7234 07055	Pin-spring	1										
14	7602 10075	Bearing-thrust ball	1										
15	7111 10016	Bolt	4										
16	7161 10D20	Bolt	4										
17	7222 11100	Spring-washer	4										
A18	9110 00022	Stopper Ass'y	1 set										

⚙...Interchangeable.

⚙...New parts can interchange of old parts, but not vice-versa.

✂...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 12-2 HOOK ASS'Y (URA344, 345)

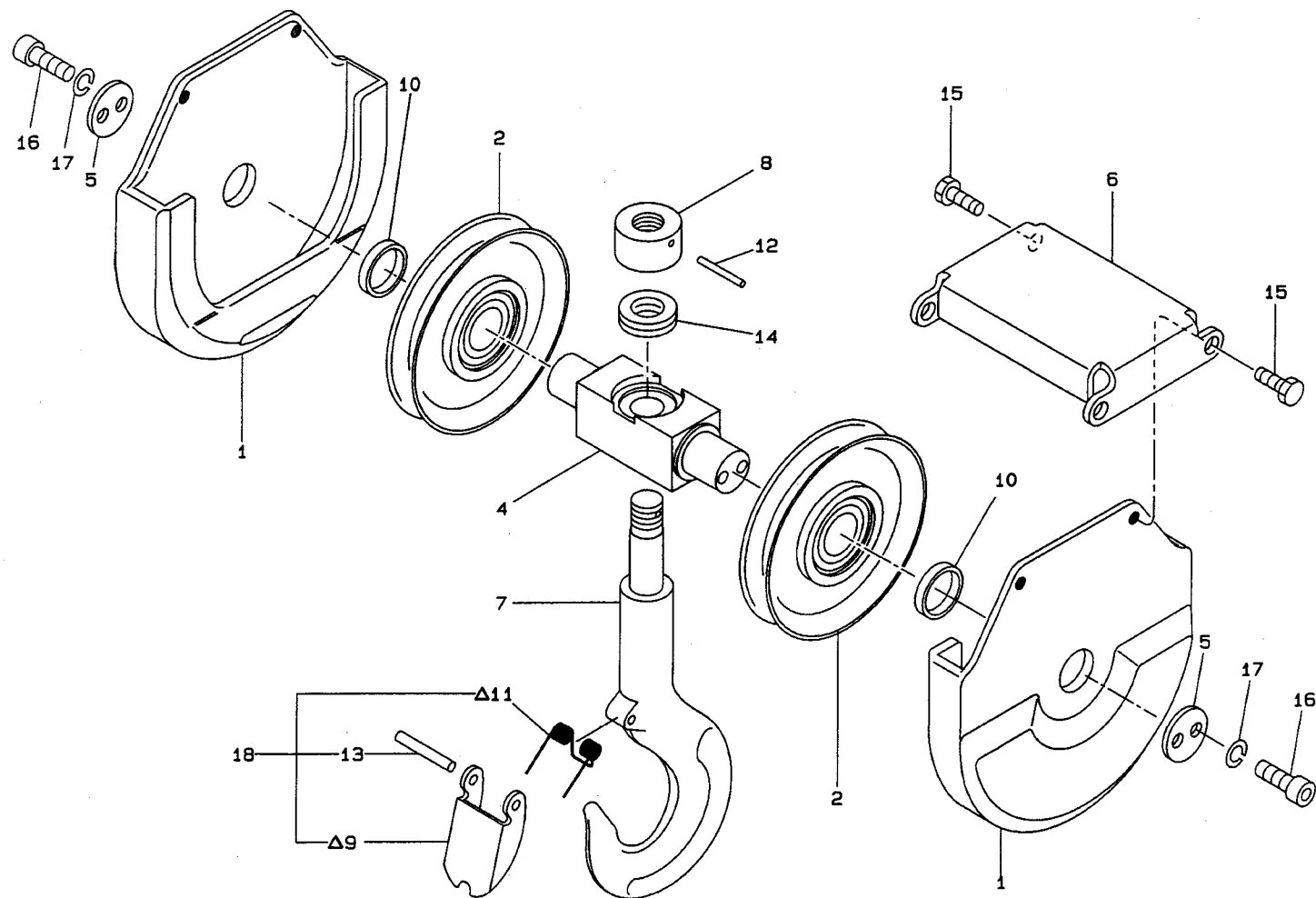


Fig. 12-2 HOOK ASS'Y (URA344, 345)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~18	08H7 35000	Hook Ass'y	1 set			φ 200							
1	08H7 35013	Plate-side	2										
2	K935 00811	Sheave Ass'y	2 set										
3	☆												
4	08H7 35020	Trunnion	1										
5	08D4 36040	Plate	2										
6	08H7 35031	Stopper	1										
7	08D4 36050	Hook	1										
8	0138 32070	Nut	1										
A 9	☆	Stopper	1	△									
10	0805 35040	Collar	2										
A11	☆	Spring	1	△									
12	7234 05050	Pin-spring	1										
A13	7234 07055	Pin-spring	1										
14	7602 10075	Bearing-thrust ball	1										
15	7111 10015	Bolt	4										
16	7161 10D20	Bolt	4										
17	7222 11100	Washer-spring	4										
A18	9110 00022	Stopper Ass'y	1 set										

⚙...Interchangeable.

⚙...New parts can interchangeable of old parts, but not vice-versa.

✂...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

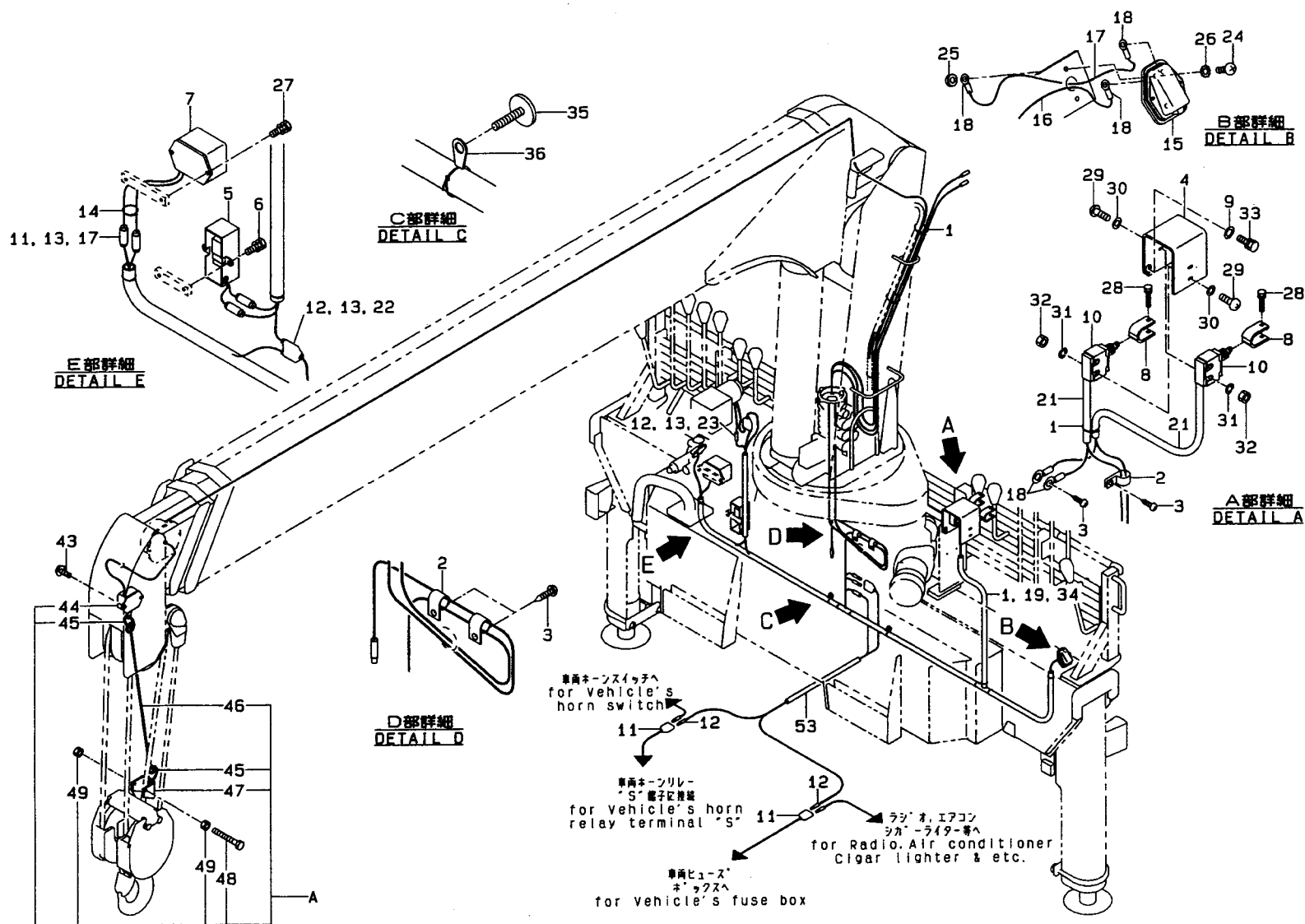


Fig. 13 SAFETY DEVICE ASS'Y

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~53	08TV 96000	Safety device Ass'y	1 set	△			19	7505 16005	Band-wire	2			
1	7505 16001	Band-wire	21				20	☆					
2	7505 23002	Clamp-wire	3				21	7506 04007	Cable-cab tire	0.5 m			
3	7601 10059	Tapping screw	4				22	7506 02019	Cord-vinyl (Red)	ℓ			ℓ = 2.5m
4	08A4 96010	Bracket	1				23	7506 02009	Cord-vinyl (Blue)	ℓ			ℓ = 1.2m
5	0891 96021	Relay box Ass'y	1				24	7015 03015	Screw-machine	4			
6	7142 06010	Bolt & Washer	2				25	7211 11030	Nut	4			
7	6031 39000	Outrigger warning alarm	1				26	7223 12030	Washer-tooth	4			
8	08A4 96020	Bracket	2				27	7142 06012	Bolt & Washer	2			
9	7221 12100	Washer-plain	2				28	7142 06035	Bolt & Washer	2			
10	7503 06010	Switch-limit	2				29	7012 04035	Screw-machine	4			
11	7505 01004	Connector (F)	6				30	7221 12040	Washer-plain	4			
12	7505 01005	Connector (M)	12				31	7222 11040	Washer-spring	4			
13	7505 01006	Connector (F)	4				32	7211 11040	Nut	4			
14	7505 16002	Band-wire	3				33	7141 10015	Bolt & Washer	2			
15	0111 89011	Warning horn switch	2				34	7505 13015	Tube-wire	ℓ			ℓ = 3.0m
16	7506 02072	Cord-vinyl (Green)	ℓ			ℓ = 2.6m	35	7505 26001	Clip	3			
17	7506 02004	Cord-vinyl (Black)	ℓ			ℓ = 2.0m	36	7505 16008	Band-wire	3			
18	7505 09004	Terminal	12				37	☆					

Q...Interchangeable.

Q...New parts can interchangeable of old parts, but not vice-versa.

☆...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 13 SAFETY DEVICE ASS'Y

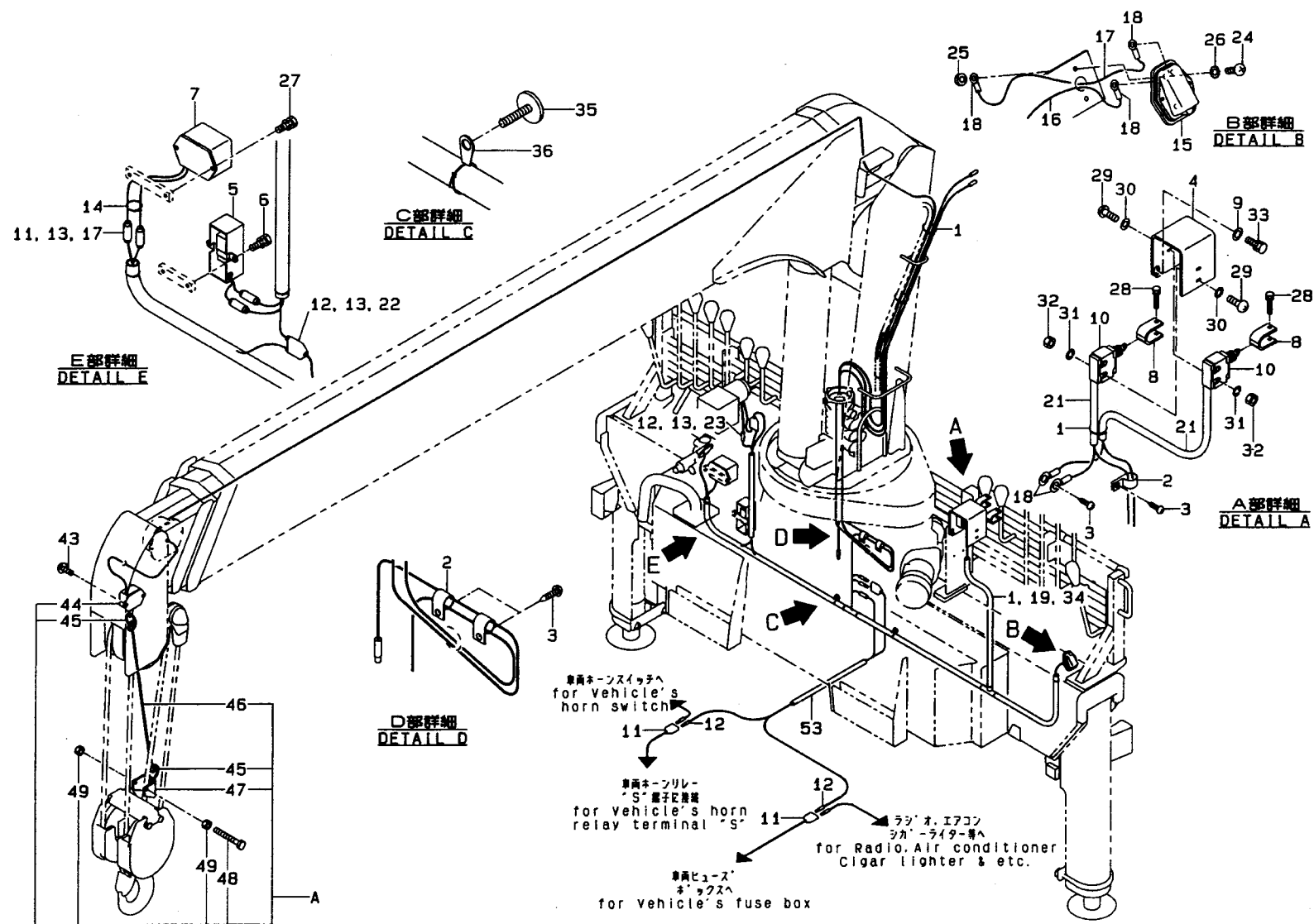


Fig. 13 SAFETY DEVICE ASS'Y

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
38	☆												
39	☆												
40	☆												
41	☆												
42	☆												
43	7142 06012	Bolt & Washer	2										
44	6032 18000	Anti-two block (detector)	1										
A45	08H6 91010	Ring	2										
A46	0882 91011	Rope-wire	1										
A47	0143 91031	Weight	1										
A48	7111 08070	Bolt	1										
A49	7211 11080	Nut	2										
50	☆												
51	☆												
52	☆												
53	7506 02073	Cord-vinyl (Green/Red)	ℓ			ℓ = 5.5m							
A	N191 01811	Weight Ass'y	1 set			Incl. 45~49							

⌘...Interchangeable.

⌘...New parts can interchangeable of old parts, but not vice-versa.

⌘...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 14 HYDRAULIC DRIVING DEVICE

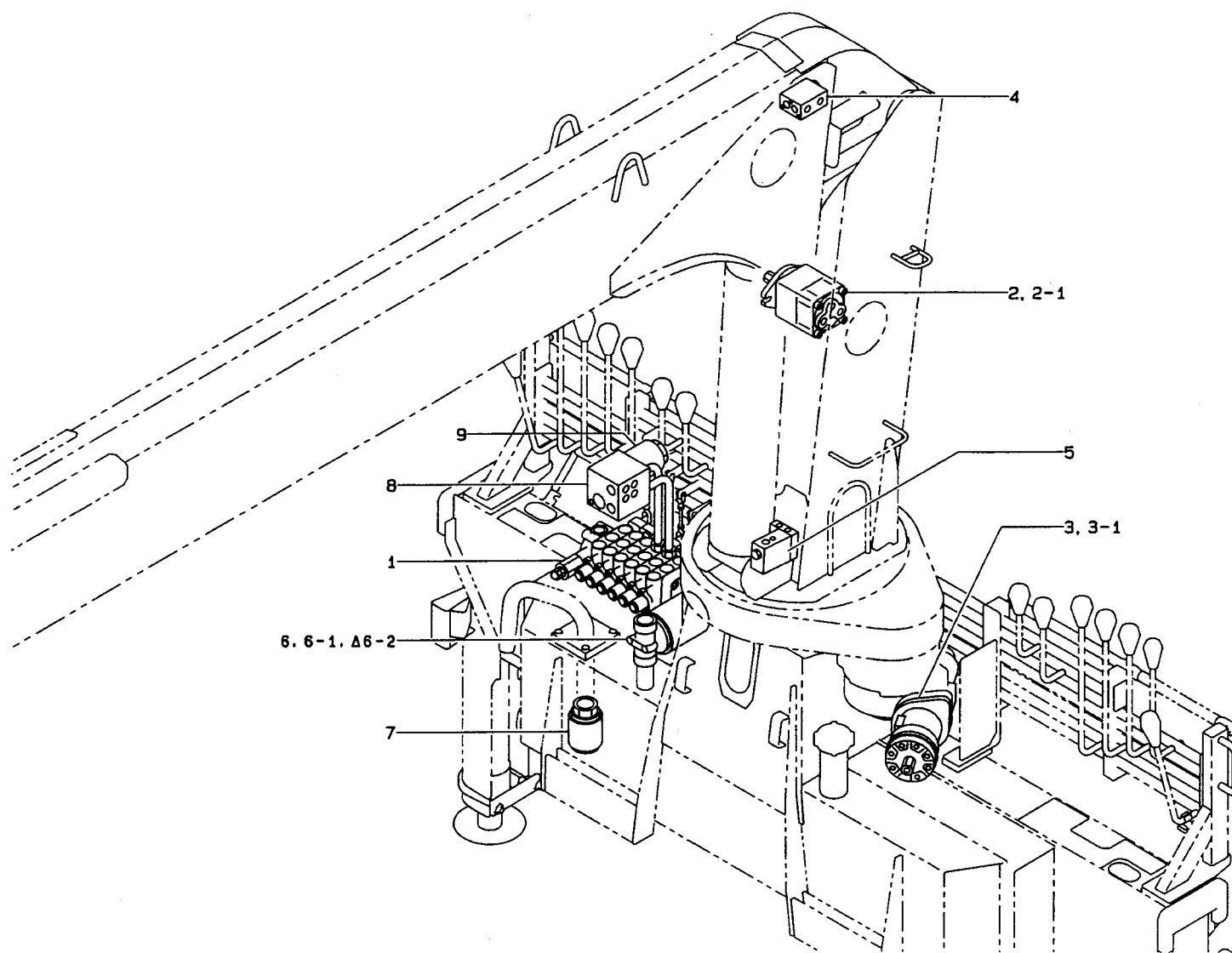


Fig. 14 HYDRAULIC DRIVING DEVICE

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~9	08TV 61000	Hydraulic driving device	1 set	△			9	7401 92057	Valve-solenoid	1			
1	6050 28000	Control valve Ass'y See Fig. HP1	1										
2	7403 70011	Hydraulic motor (Hoist)	1			A10FL25A							
2-1	9110 00149	Inner kit	1										
3	7403 60008	Hydraulic motor (Swing)	1			S-070							
3-1	9110 00174	Inner kit	1										
4	6014 73000	Extension cylinder holding valve Ass'y See Fig. HP3	1			Extension cyl. CB-03ET							
5	6014 74000	Boom lift cylinder holding valve Ass'y See Fig. HP4	1			Boom lift cyl. CB-03ED							
6	7405 80600	Filter-return See Fig. HP5	1										
6-1	7405 80204	Filter-cartridge	1										
6-2	☆	Head	1	△									
7	7405 82023	Filter-suction	1										
8	6017 02000	Pilot check valve Ass'y See Fig. HP7	1			CP-03W							

☆...Interchangeable.

☆...New parts can interchangeable of old parts, but not vice-versa.

✕...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 15-1 PIPING (Boom lift cylinder)

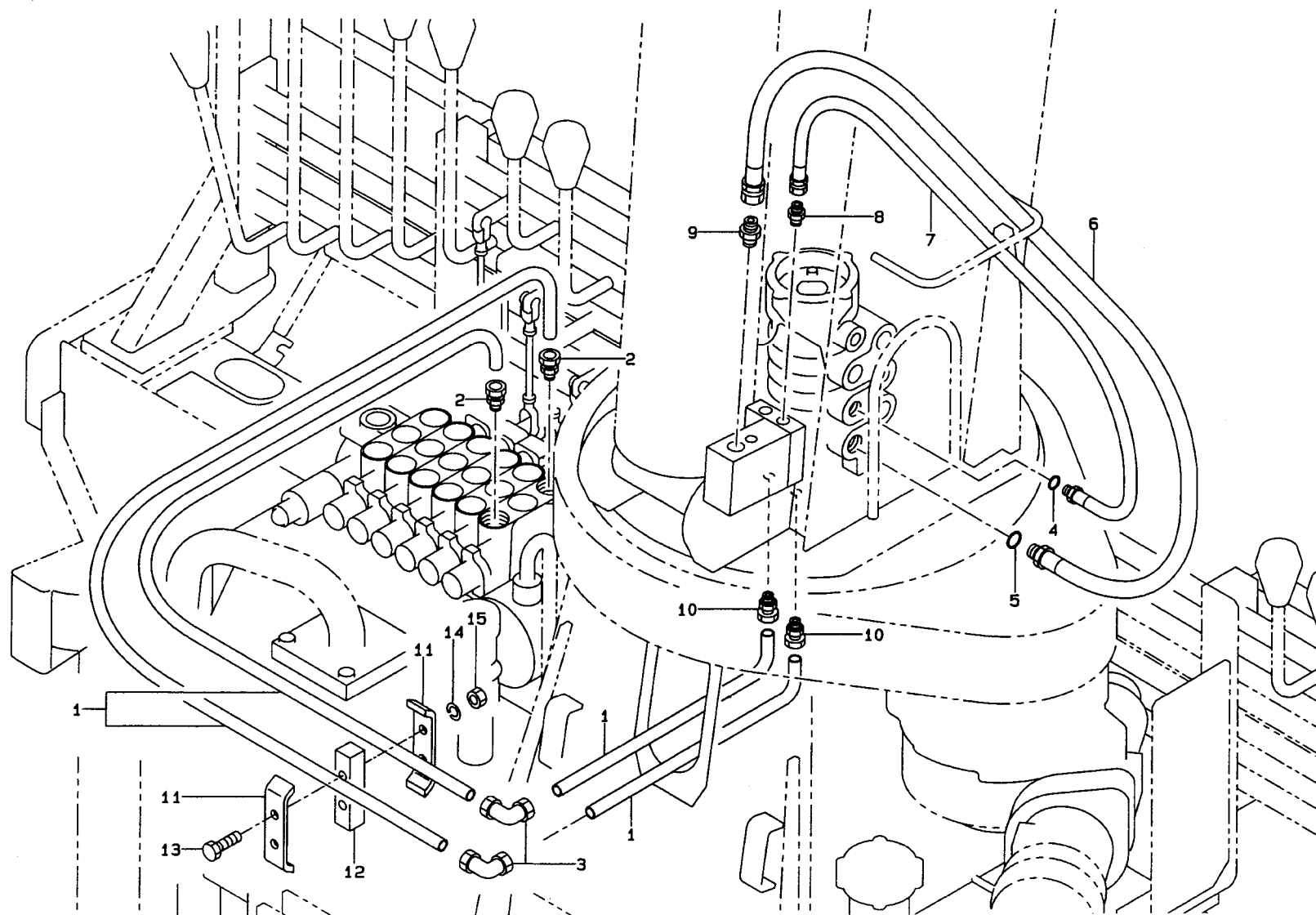


Fig. 15-1 PIPING (Boom lift cylinder)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~15	☆	Piping (Boom lift cylinder)	1 set	△									
1	77P4 12015	Pipe	ℓ			φ 12							
2	7285 71203	Connector	2										
3	7281 51200	Elbow	2										
4	7311 91011	Ring- "O"	1										
5	7311 91014	Ring- "O"	1										
6	7865 03070	Hose-pressure, nylon (Raise)	1			PF3/8 × 700							
7	7865 02060	Hose-pressure, nylon (Lower)	1			PF1/4 × 600							
8	770A 02J04	Adapter (M) (M)	1										
9	770A 02J06	Adapter (M) (M)	1										
10	728S 57041	Connector	2										
11	0885 65010	Clamp	2										
12	0885 65021	Bracket	1										
13	7111 08065	Bolt	2										
14	7222 11080	Washer-spring	2										
15	7211 11080	Nut	2										

↔...Interchangeable.

↔...New parts can interchangeable of old parts, but not vice-versa.

⚡...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 15-2 PIPING (Hoist motor)

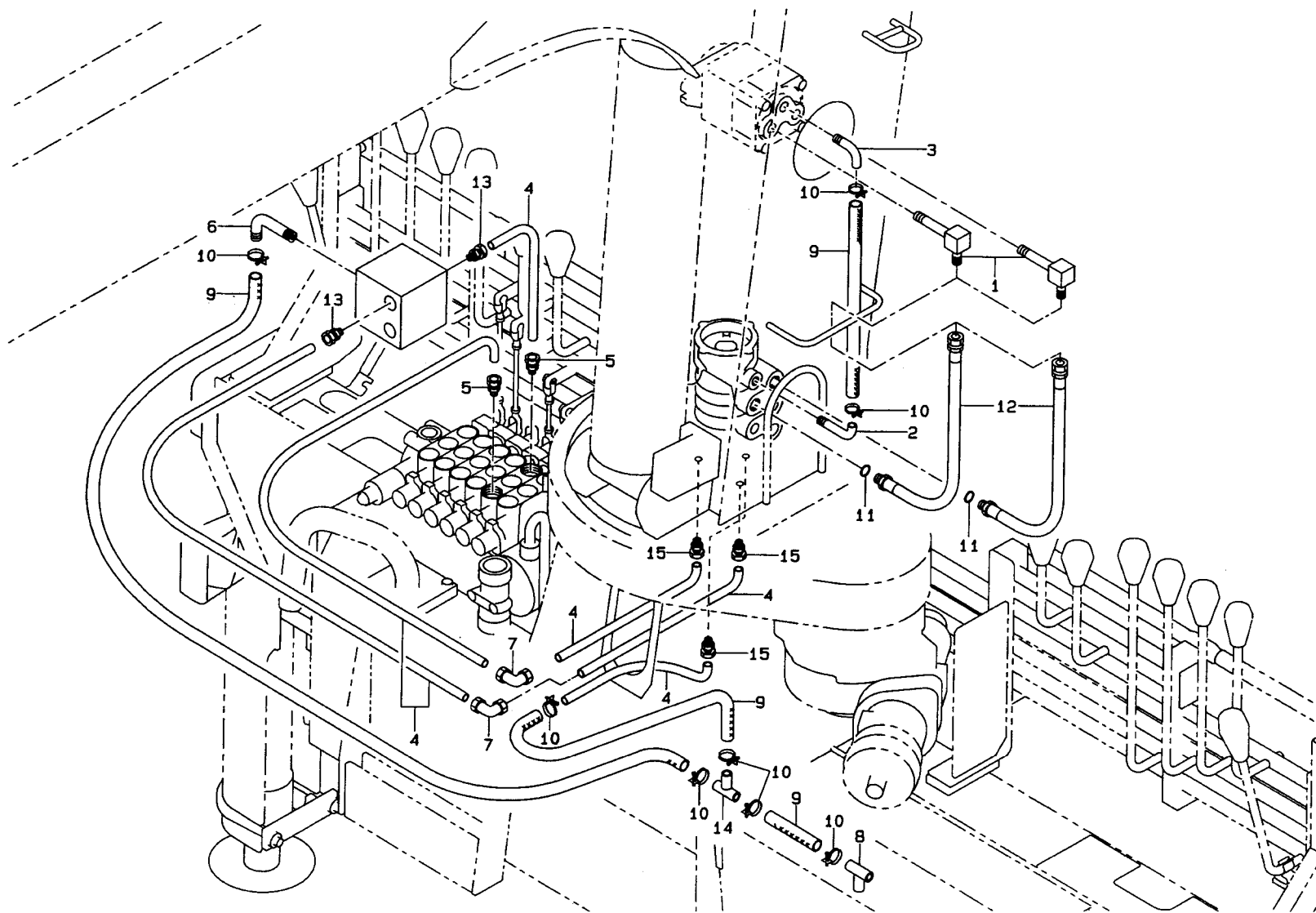


Fig. 15-2 PIPING (Hoist motor)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~15	☆	Piping (Hoist motor)	1 set	△									
1	7702 90038	Joint	2										
2	0143 62022	Joint-hose	1										
3	0182 62050	Joint-hose	1										
4	77P4 12015	Pipe	ℓ			φ 12							
5	7285 71203	Connector	2										
6	0800 62030	Joint-hose	1										
7	7281 51200	Elbow	2										
8	0813 65030	Joint-hose	1										
9	77V3 12000	Hose-vinyl	4			φ 12							
10	7600 00867	Band-hose	8			φ 19							
11	7311 91014	Ring-"O"	2										
12	7815 03057	Hose-pressure	2			PF3/8 × 570							
13	7280 51203	Connector (M)	2										
14	0802 73030	Joint-hose	1										
15	728S 57041	Connector	3										

⊗...Interchangeable.

⊗...New parts can interchangeable of old parts, but not vice-versa.

⊗...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 15-3 PIPING (Extension cylinder)

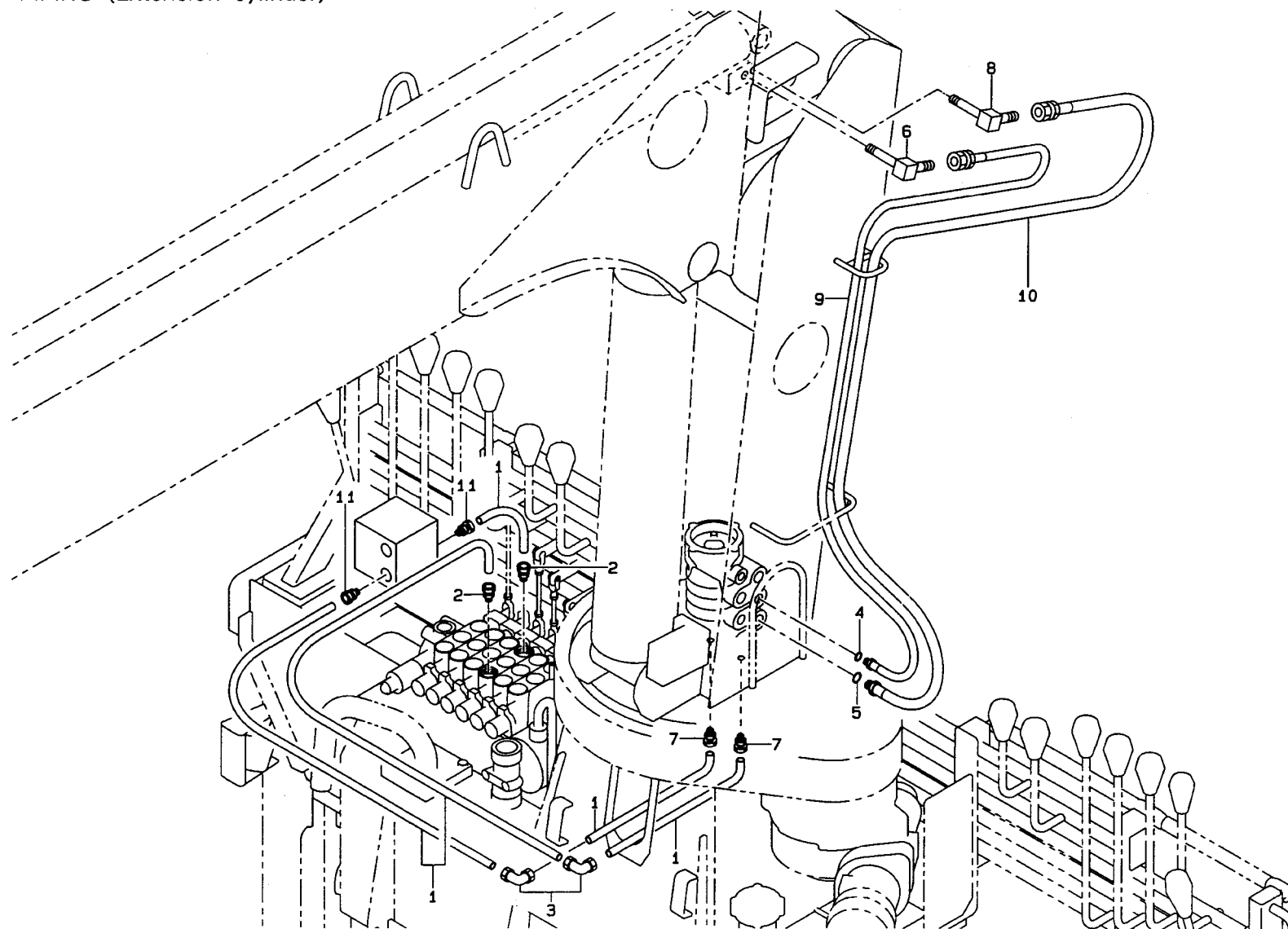


Fig. 15-3 PIPING (Extension cylinder)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~11	☆	Piping (Extension cylinder)	1 set	△									
1	77P4 12015	Pipe	1			φ 12							
2	7285 71203	Connector	2										
3	7281 51200	Elbow	2										
4	7311 91011	Ring-"O"	1										
5	7311 91014	Ring-"O"	1										
6	08H6 65010	Joint	1										
7	7280 51203	Connector (M)	2										
8	08H6 65020	Joint	1										
9	7865 02130	Hose-pressure, nylon (Ret.)	1			PF1/4 × 1300							
10	7865 03132	Hose-pressure, nylon (Ext.)	1			PF3/8 × 1320							
11	728S 57041	Connector	2										

☆...Interchangeable.

☆...New parts can interchange of old parts, but not vice-versa.

✕...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 15-4 PIPING (Swing motor)

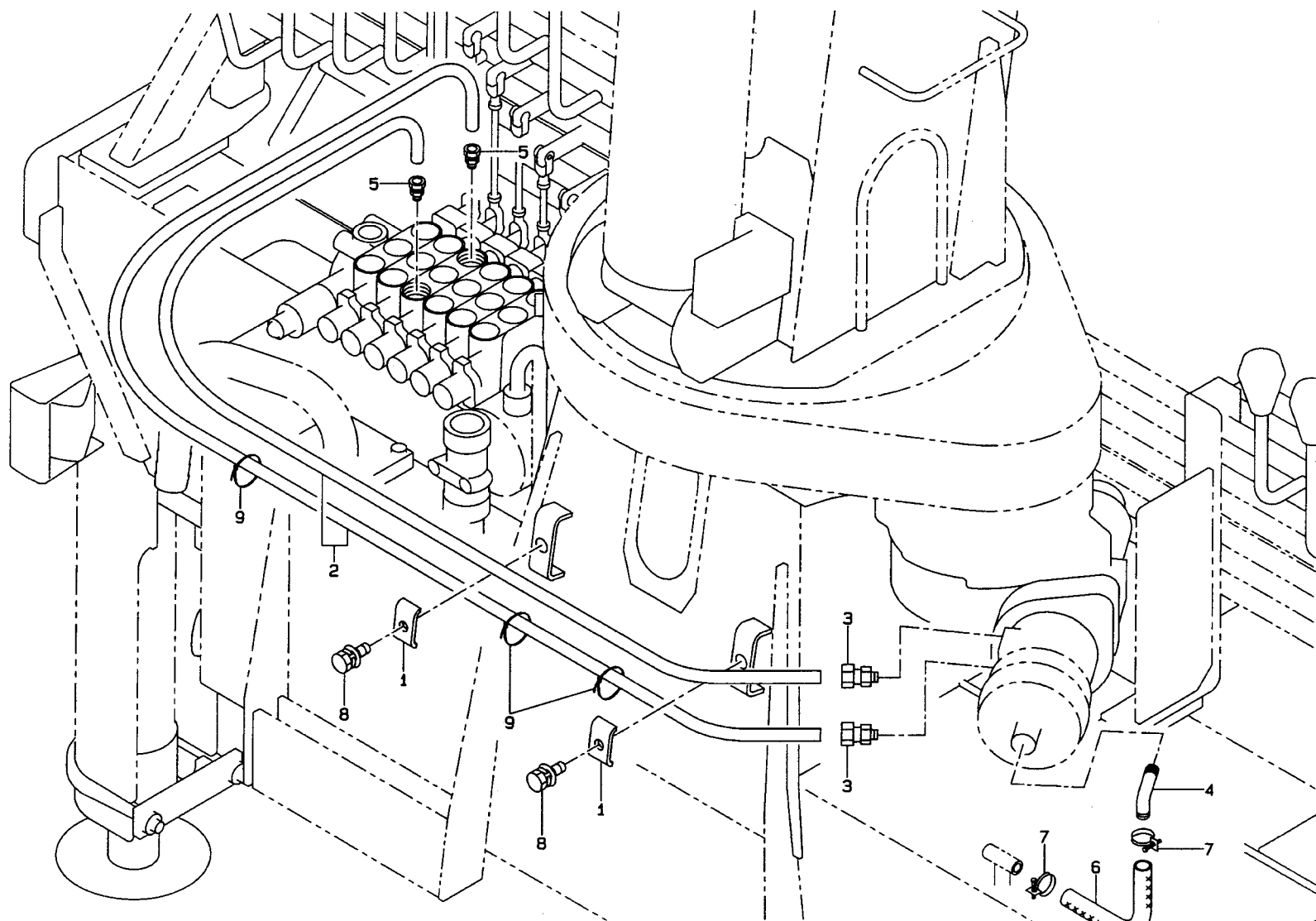


Fig. 15-4 PIPING (Swing motor)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~9	☆	Piping (Swing motor)	set	△									
1	0138 62030	Clamp-pipe	2										
2	77P4 10012	Pipe	ℓ			φ 10							
3	7285 71003	Connector	2										
4	0800 62030	Joint-hose	1										
5	7280 51003	Connector (M)	2										
6	77V3 12000	Hose-vinyl	1			φ 12							
7	7600 00867	Band-hose	2			φ 19							
8	7141 10025	Bolt & Washer	2										
9	7505 16001	Band-wire	3										

⚙...Interchangeable.

☆...New parts can interchangeable of old parts, but not vice-versa.

⚙...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 15-5 PIPING (Outrigger)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~19	☆	Piping (Outrigger)	1 set	△			19	7281 71002	Nipple-elbow	2			
1	0430 62150	Joint-hose	1										
2	08A4 65010	Joint	1										
3	0223 62120	Bushing	1										
4	7286 60600	Elbow (F) (F)	1										
5	6020 06070	Joint-hose	1										
6	0138 62030	Clamp-pipe	2										
7	77P4 10012	Pipe	ℓ			φ 10							
8	7280 51002	Connector (M)	2										
9	7285 71003	Connector	4										
10	77H1 32000	Hose-rubber	ℓ			ℓ = 0.5m							
11	7600 00819	Band-hose	2			φ 47							
12	7141 10020	Bolt & Washer	2										
13	7141 10025	Bolt & Washer	2										
14	7311 91024	Ring- "O"	1										
15	7505 16001	Band-wire	4										
16	08FB 65012	Block-joint	2										
17	770A 02J04	Adapter (M) (M)	4										
18	7765 02182	Hose-pressure nylon	4			PT1/4×1820							

☆...Interchangeable.

△...New parts can interchangeable of old parts, but not vice-versa.

✂...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 16 COLUMN ASS'Y

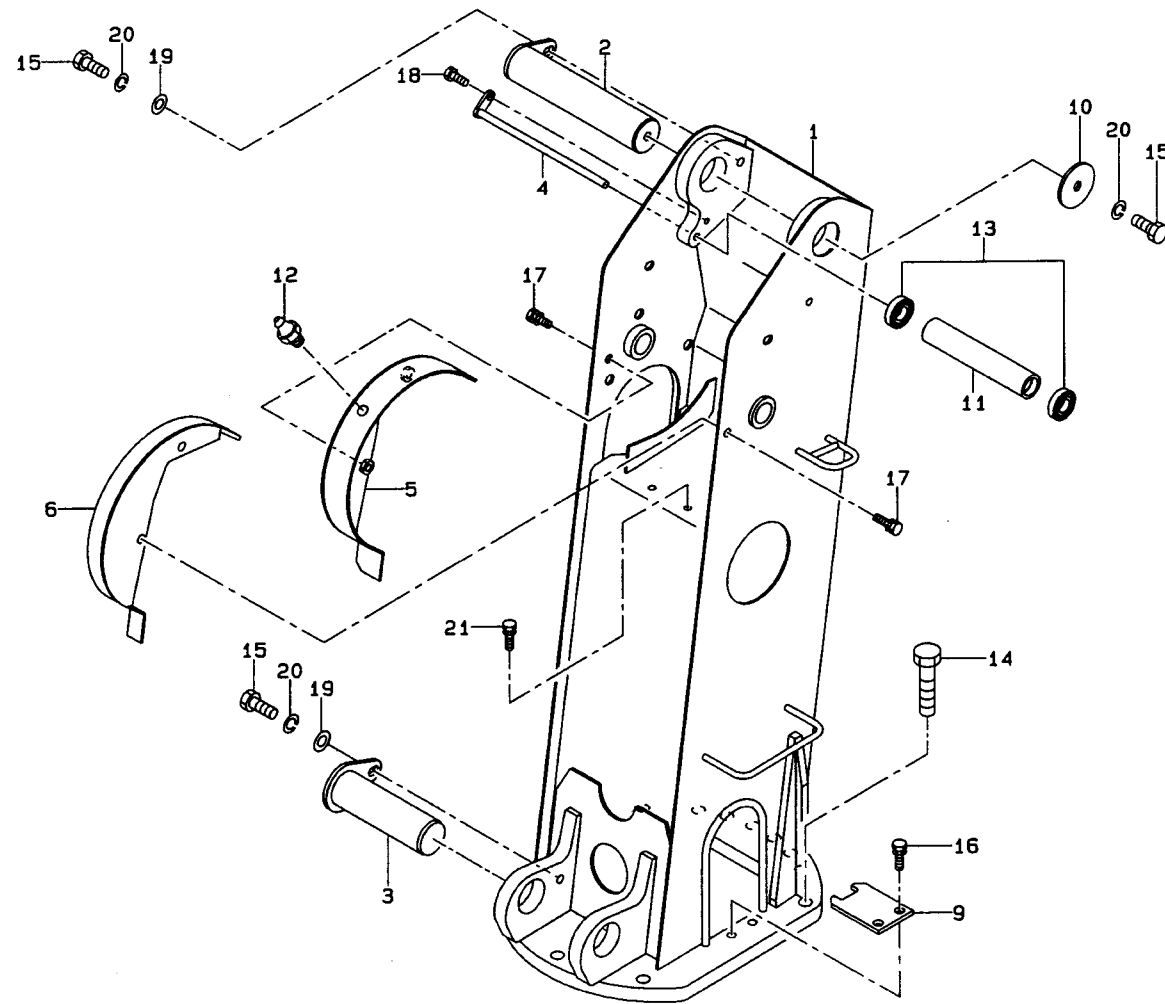


Fig. 16 COLUMN ASS'Y

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~21	08TV 51000	Column Ass'y	1 set	△			19	7221 12120	Washer-plain	2			
1	08TV 51010	Column	1				20	7222 11120	Washer-spring	3			
2	0805 51021	Pin (50)	1				21	7141 10020	Bolt & Washer	2			
3	0143 51130	Pin	1										
4	08H6 51020	Pin (10)	1										
5	08FB 51020	Cover (1)	1										
6	08FB 51032	Cover (2)	1										
7	☆												
8	☆												
9	083G 51050	Stopper	1										
10	0805 51060	Plate	1										
11	08H6 51050	Roller	1										
12	7243 34000	Nipple-grease	1										
13	7260 60002	Bearing	2										
14	08H6 51060	Bolt	11										
15	7119 12D25	Bolt	3										
16	7141 12020	Bolt & Washer	2										
17	7141 10016	Bolt & Washer	4										
18	7141 08018	Bolt & Washer	1										

☆...Interchangeable.

○...New parts can interchangeable of old parts, but not vice-versa.

✕...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 17 BASE ASS'Y

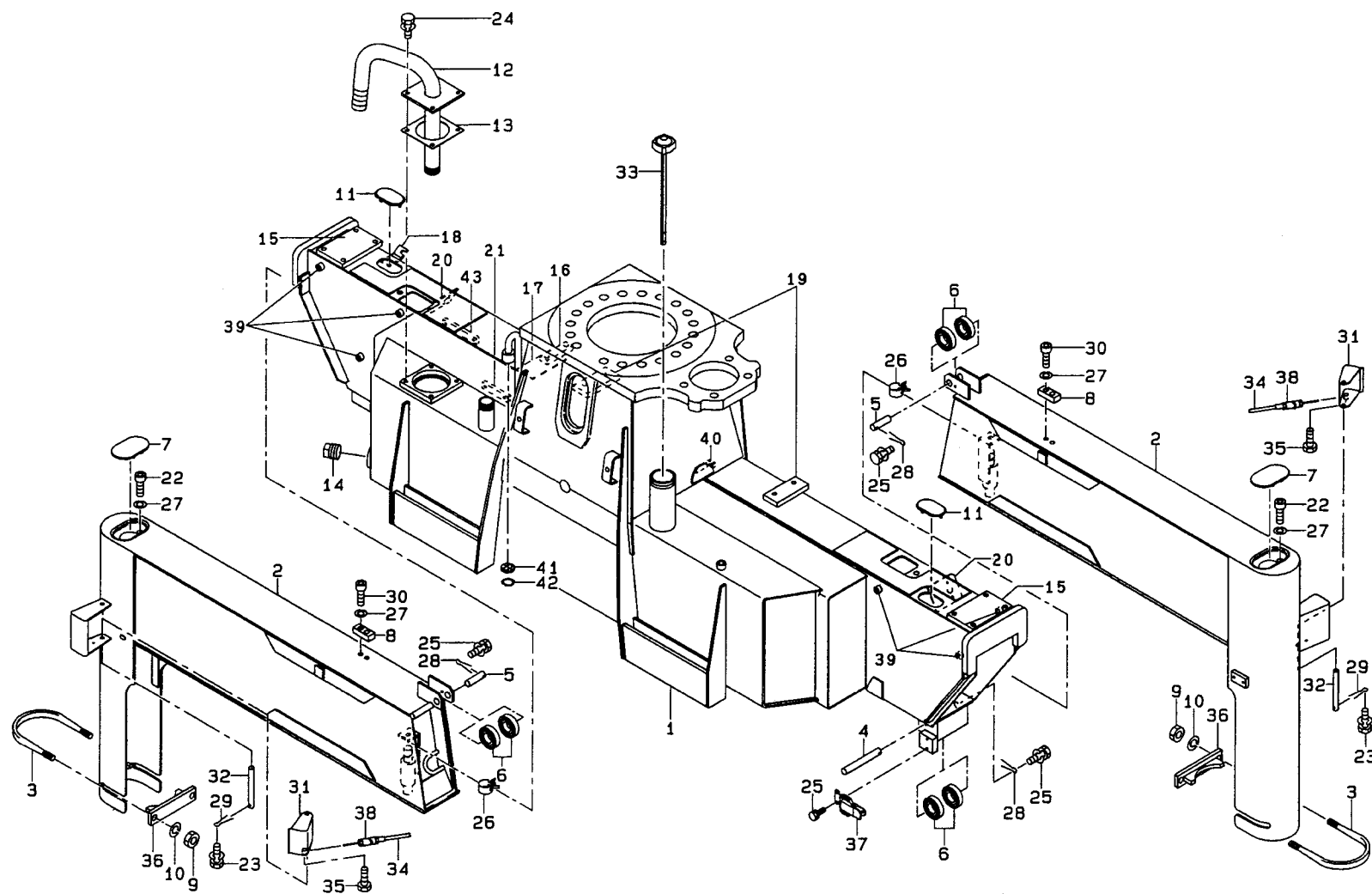


Fig. 17 BASE ASS'Y

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~43	08TV 55000	Base Ass'y	1 set	△			A18	08TV 55030	Plate (4)	1			
A 1	08TV 55010	Base	1				A19	08A4 55050	Plate (5)	2			
	08TV 55011	Base	1				A20	0143 55111	Plate (Alarm)	2			
2	08FB 55020	Box-inner	2				A21	0891 55040	Bracket (2)	1			
3	08H6 55030	Band	2				22	7161 10020	Bolt	4			
4	08H6 55040	Pin (15)	2				23	7142 04010	Bolt & Washer	2			
5	0825 27020	Pin (15)	2				24	7141 08015	Bolt & Washer	4			
6	7602 10101	Bearing	8				25	7142 05012	Bolt & Washer	12			
7	08H6 55050	Cover	2				26	7609 90207	Band-hose	2			
8	08H6 55061	Stopper	2				27	7222 11100	Washer-spring	8			
9	7211 11120	Nut	4				28	7231 06025	Pin-split	4			
10	7222 11120	Washer-spring	4				29	7231 05025	Pin-split	2			
11	08H6 55070	Cover	2				30	7161 10025	Bolt	4			
12	08FB 55170	Pipe-suction	1				31	7609 90294	Lever	2			
13	0805 55061	Packing	1				32	0882 55080	Pin (8)	2			
14	7252 61000	Plug	1				33	7703 30024	Breather	1			
A15	08A4 55010	Plate (1)	2					7703 30014	Breather	1			
A16	08A4 55020	Plate (2)	2				34	7602 60097	Cable Ass'y	2			
A17	08TV 55020	Plate (3)	1				35	7111 05008	Bolt	2			

○...Interchangeable. ○...New parts can interchangeable of old parts, but not vice-versa.

✕...Not interchangeable. △...Part not for sale.

D...Disuse. Q...Quantity

Fig. 17 BASE ASS'Y

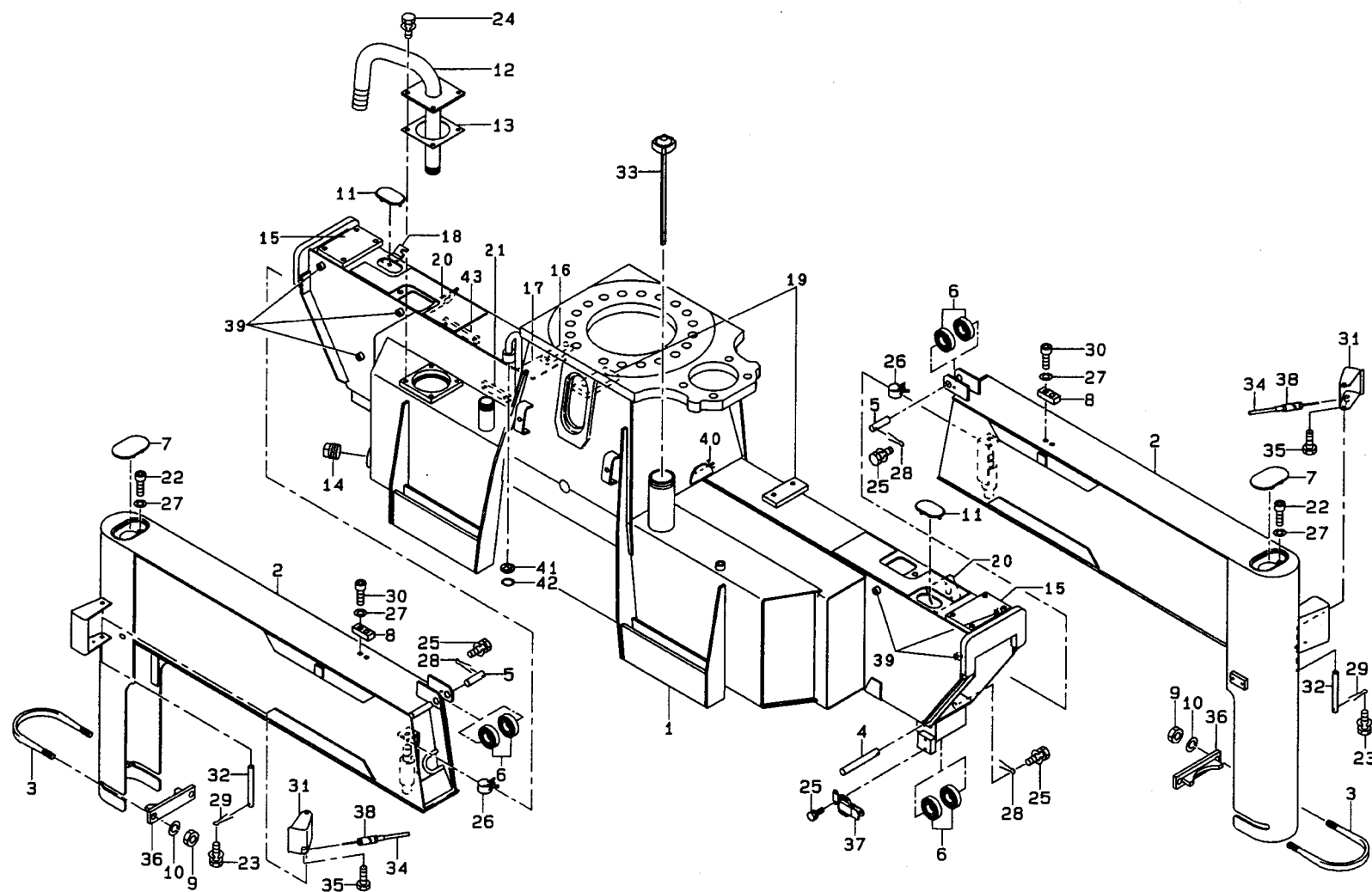


Fig. 17 BASE ASS'Y

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
36	08H6 55120	Plate	2			
37	7604 52014	Catcher	2			
38	080B 55050	Collar	4			
A39	BD21 01230	Boss	6			
A40	08AG 99020	Bracket	1			
41	0805 55120	Filter	1			
42	7241 20200	Ring-snap	1			
A43	0143 59040	Bracket	1			
A	918T V55A0	Base body Ass'y	1 set			

...Interchangeable.

Q ...New parts can interchangeable of old parts, but not vice-versa.

* ...Not interchangeable.

△ ...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 18 SWING DEVICE ASS'Y

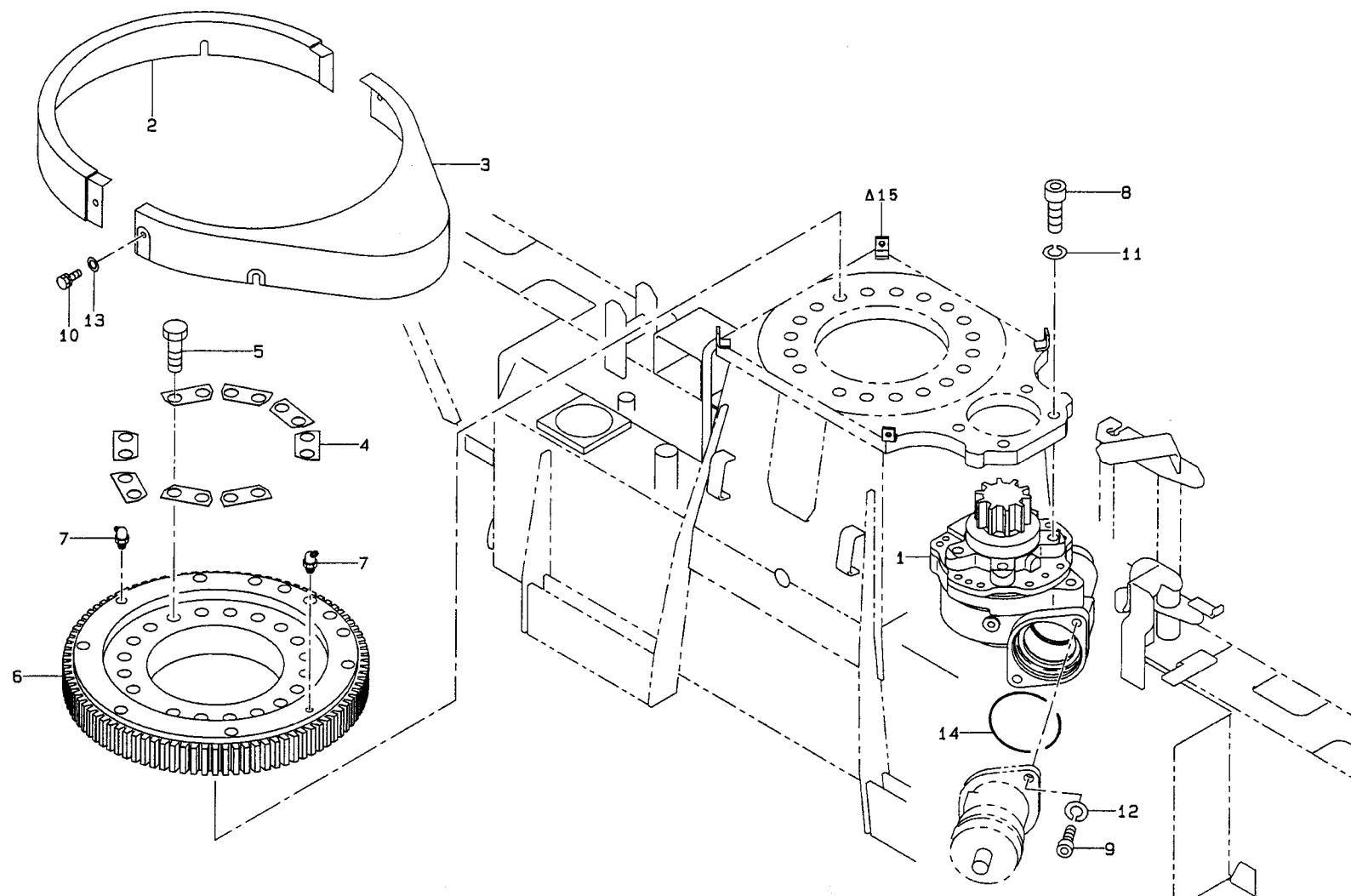


Fig. 18 SWING DEVICE ASS'Y

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~15	08FB 41000	Swing device Ass'y	1 set	△									
1	08FB 41011	Swing gear box Ass'y	1										
		See Fig. 19											
2	0805 41022	Cover (1)	1										
3	0805 41032	Cover (2)	1										
4	0143 41050	Stopper	8										
5	0882 41010	Bolt	19										
	0885 41040	Bolt	19										
6	7405 30032	Table-turn	1										
7	7243 34000	Nipple-grease	2										
8	7161 16050	Bolt	4										
9	7161 14D35	Bolt	2										
10	7141 08018	Bolt & Washer	6										
11	7222 11160	Washer-spring	4										
12	7222 11140	Washer-spring	2										
13	7221 12080	Washer-plain	6										
14	7311 72100	Ring- "O"	1										
15	☆	Plate (32)	4	△									

↔ ...Interchangeable.

↔ ...New parts can interchangeable of old parts, but not vice-versa.

✕ ...Not interchangeable.

△ ...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 19 SWING GEAR BOX ASS'Y

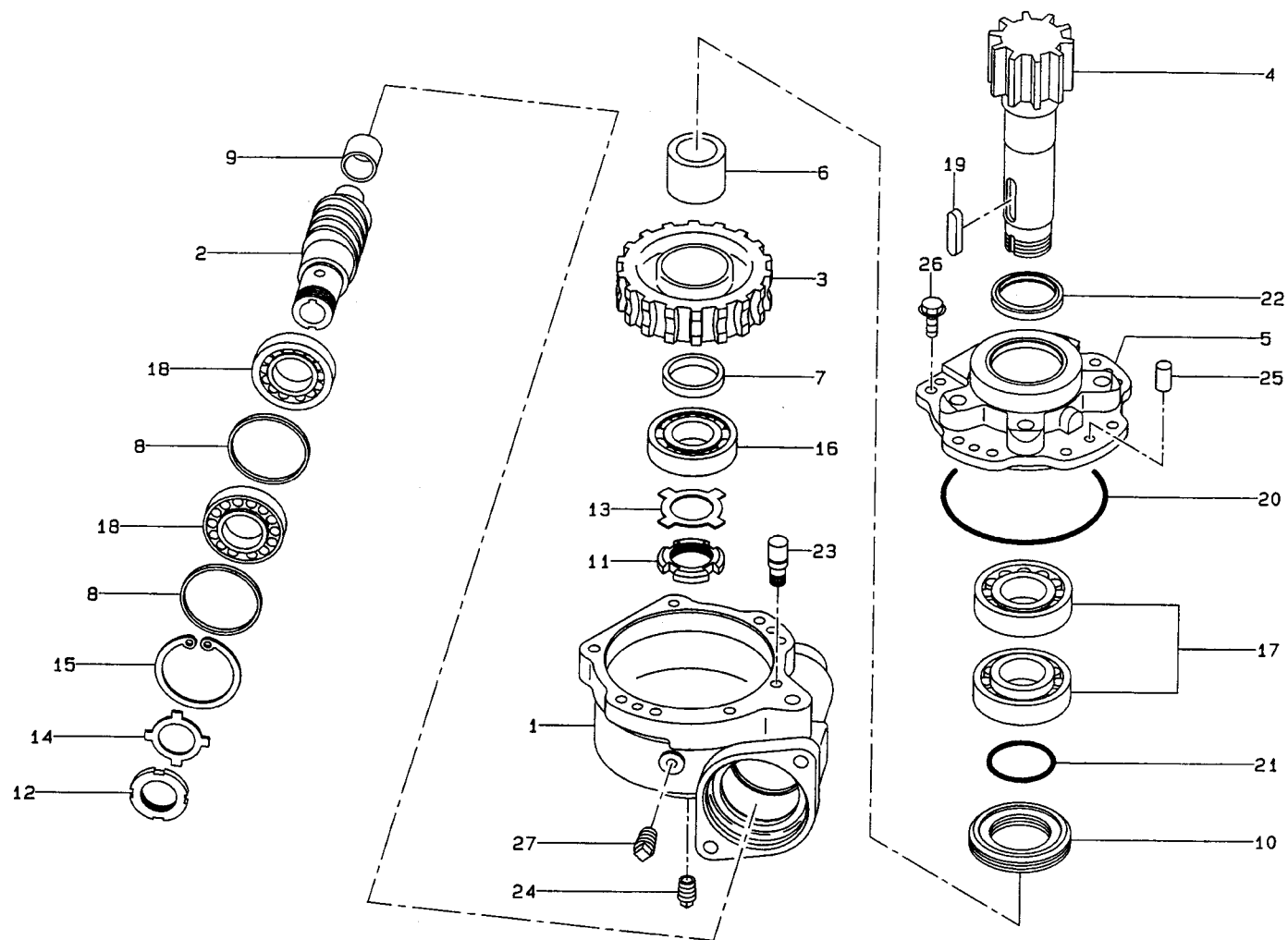


Fig. 19 SWING GEAR BOX ASS'Y

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~27	08FB 41011	Swing gear box Ass'y	1	set			19	7332 12044	Key	2			
1	GW41 01010	Casing	1				20	7701 70031	Ring-"O"	1			
2	K841 05023	Shaft-warm	1				21	7311 72060	Ring-"O"	1			
3	K841 05030	Wheel-warm	1				22	8220 56070	Seal-dust	1			
4	K841 05040	Shaft-gear	1				23	0138 41120	Breather	1			
5	K841 01045	Housing-bearing	1				24	7252 60300	Plug	1			
6	K841 05050	Collar (1)	1				25	7232 10030	Pin-taper	2			
7	K841 05060	Collar (2)	1				26	7601 29049	Bolt-flange	8			
8	K841 01070	Collar (3)	2				27	7252 60100	Plug	1			
9	F241 01080	Bushing (1)	1										
10	K841 01080	Nut	1										
11	7243 10900	Nut-crown	1										
12	7243 10800	Nut-crown	1										
13	7243 20900	Washer-crown	1										
14	7243 20800	Washer-crown	1										
15	7241 20800	Ring-snap	1										
16	7260 62090	Bearing-ball	1										
17	7263 22100	Bearing-taper roller	2										
18	7263 02080	Bearing-taper roller	2										

⊙...Interchangeable.

⊙...New parts can interchange of old parts, but not vice-versa.

✕...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 20 HOIST WINCH ASS'Y

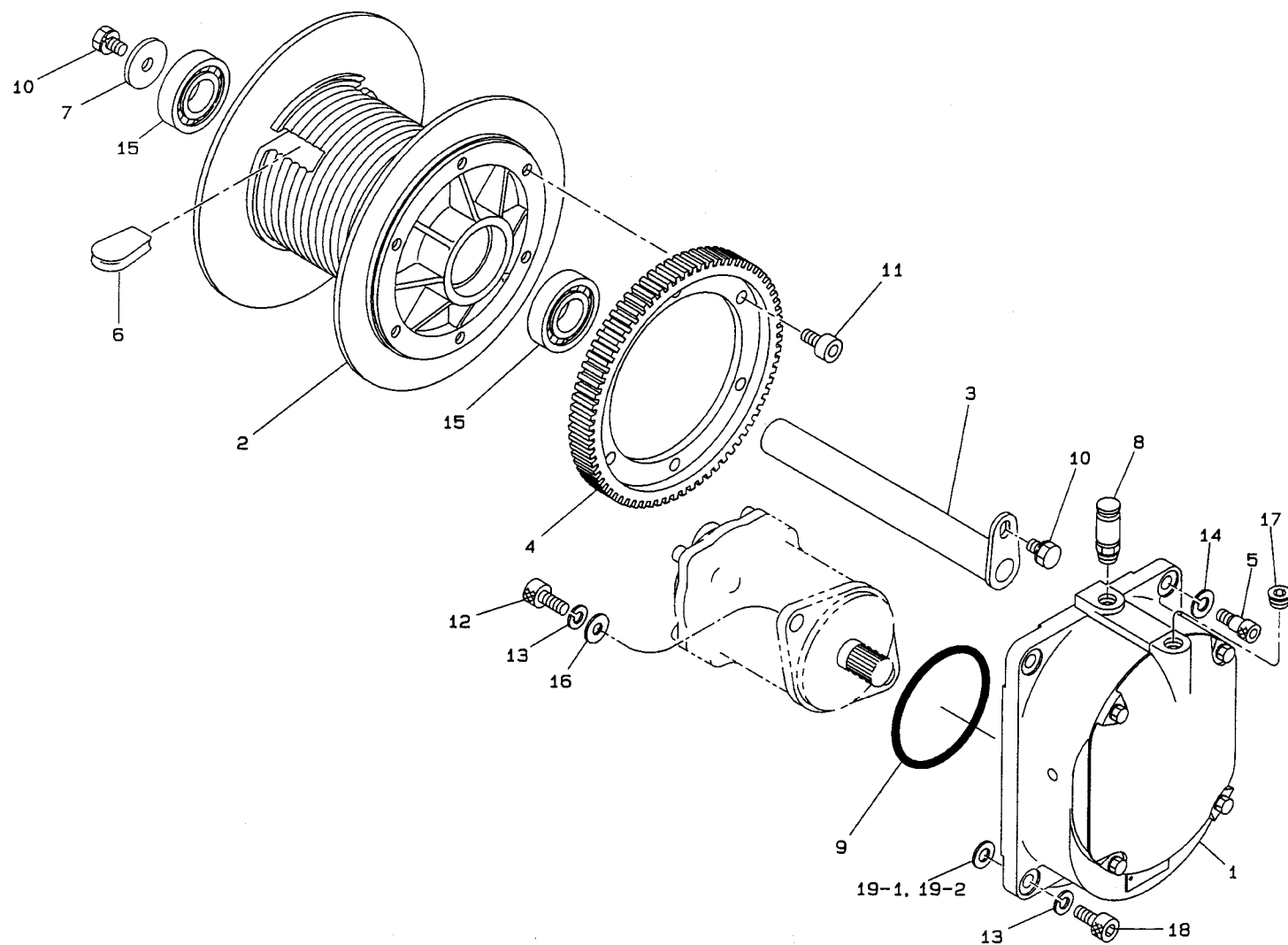


Fig. 20 HOIST WINCH ASS'Y

KEY No.	PARTS No.	PARTS NAME	Q · t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q · t y	M A R K	SERIAL No.	NOTE
1~18	08H6 31000	Hoist winch Ass'y	1 set				18	7161 10D30	Bolt	3			
1	08H6 31011	Winch gear box Ass'y See Fig. 21	1				19-1	0143 31060	Shim (1)	1			t = 0.4
2	080B 31010	Drum	1			φ 135	19-2	0143 31070	Shim (2)	1			t = 0.8
3	0805 31030	Pin (30)	1										
4	0143 31040	Gear (4)	1										
5	088D 31040	Bolt-set	1										
6	0123 32090	Wedge	1										
7	0119 51060	Plate	1										
8	0138 41120	Breather	1										
9	7311 72080	Ring-"O"	1										
10	7141 10016	Bolt & Washer	2										
11	7161 10020	Bolt	6										
12	7161 10030	Bolt	2										
13	7222 11100	Washer-spring	5										
14	7222 11120	Washer-spring	1										
15	7260 62062	Bearing	2										
16	7221 12100	Washer-plain	2										
17	7287 20300	Plug	1										

⊙...Interchangeable. ⊙...New parts can interchange of old parts, but not vice-versa.

✕...Not interchangeable. △...Part not for sale. D...Disuse. Q...Quantity

Fig. 21 WINCH GEAR BOX ASS'Y

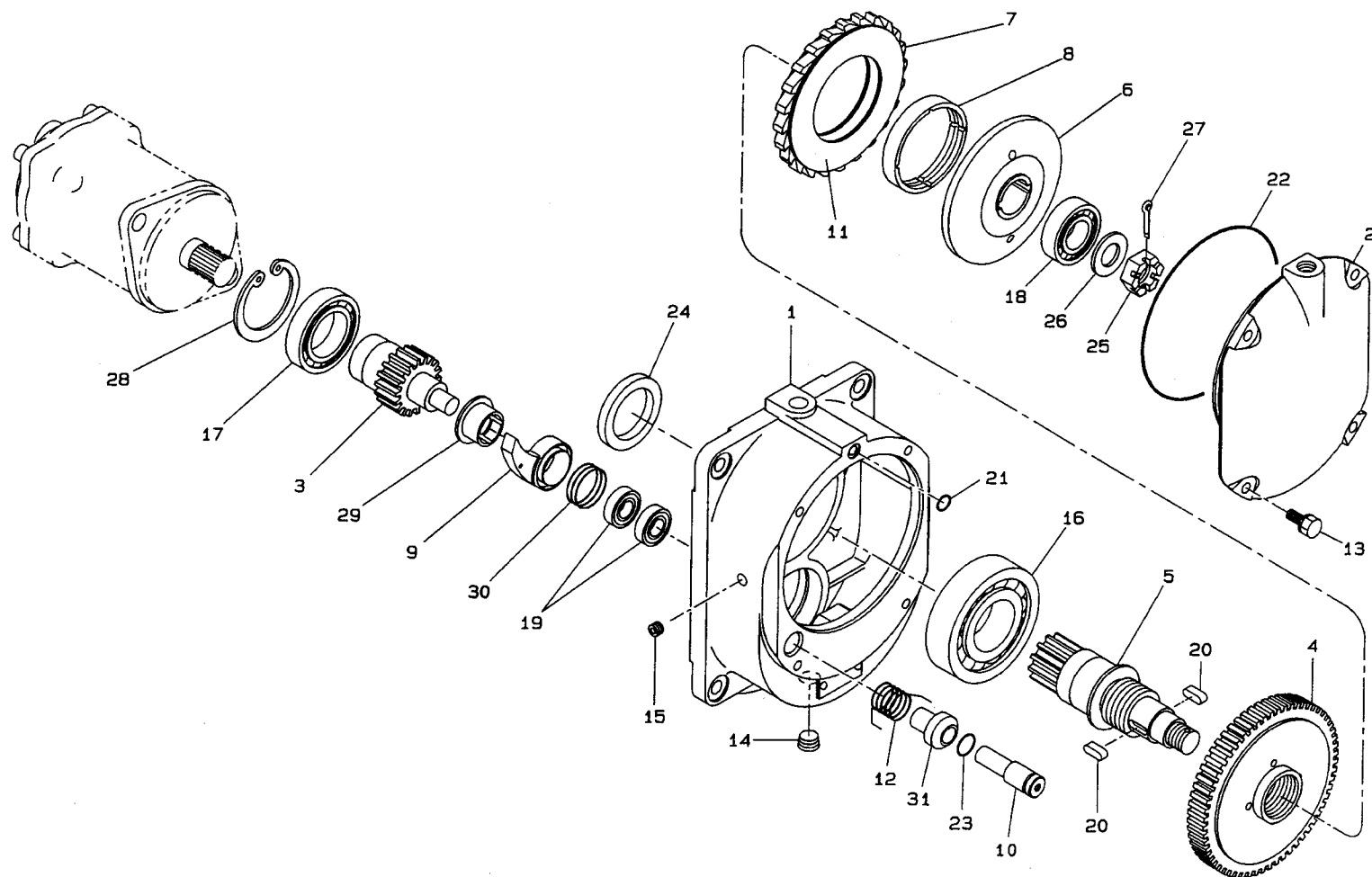


Fig.21 WINCH GEAR BOX ASS'Y

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~31	08H6 31011	Winch gear box Ass'y	1 set				19	7602 10092	Bearing	2			
1	DC31 01010	Casing	1				20	7331 07020	Key	2			
2	DC31 01020	Cover	1				21	7311 71010	Ring-"O"	1			
3	N131 01030	Gear (1)	1				22	7311 72145	Ring-"O"	1			
C 4	0125 31074	Gear (2)	1				23	7311 74016	Ring-"O"	1			
C 5	DC31 01030	Shaft-gear	1				24	8520 45062	Seal-oil	1			
6	0125 31122	Disc	1				25	7213 31200	Nut-castle	1			
A 7	0125 31111	Wheel-ratchet	1				26	7221 12200	Washer-plain	1			
A 8	0125 31144	Bushing	1				27	7231 04030	Pin-split	1			
B 9	N131 03020	Pawl	1				28	7241 20680	Ring-snap	1			
10	DC31 01040	Pin-pawl	1				B 29	N131 01070	Bushing	1			
11	V131 01050	Brake shoe Ass'y	2				30	N131 03030	Spring	1			
12	N131 01060	Spring	1				31	N131 01091	Collar	1			
13	7141 08020	Bolt & Washer	4										
14	7287 20300	Plug	1				A	N131 03810	Ratchet wheel Ass'y	1 set			
15	7287 20100	Plug	1				B	N131 03820	Pawl Ass'y	1 set			
16	7260 63090	Bearing	1				C	DC31 01810	Gear shaft Ass'y	1 set			
17	7260 60080	Bearing	1										
18	7260 62050	Bearing	1										

⚙...Interchangeable.

⚙...New parts can interchangeable of old parts, but not vice-versa.

✂...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 22 BOOM LIFT CYLINDER ASS'Y

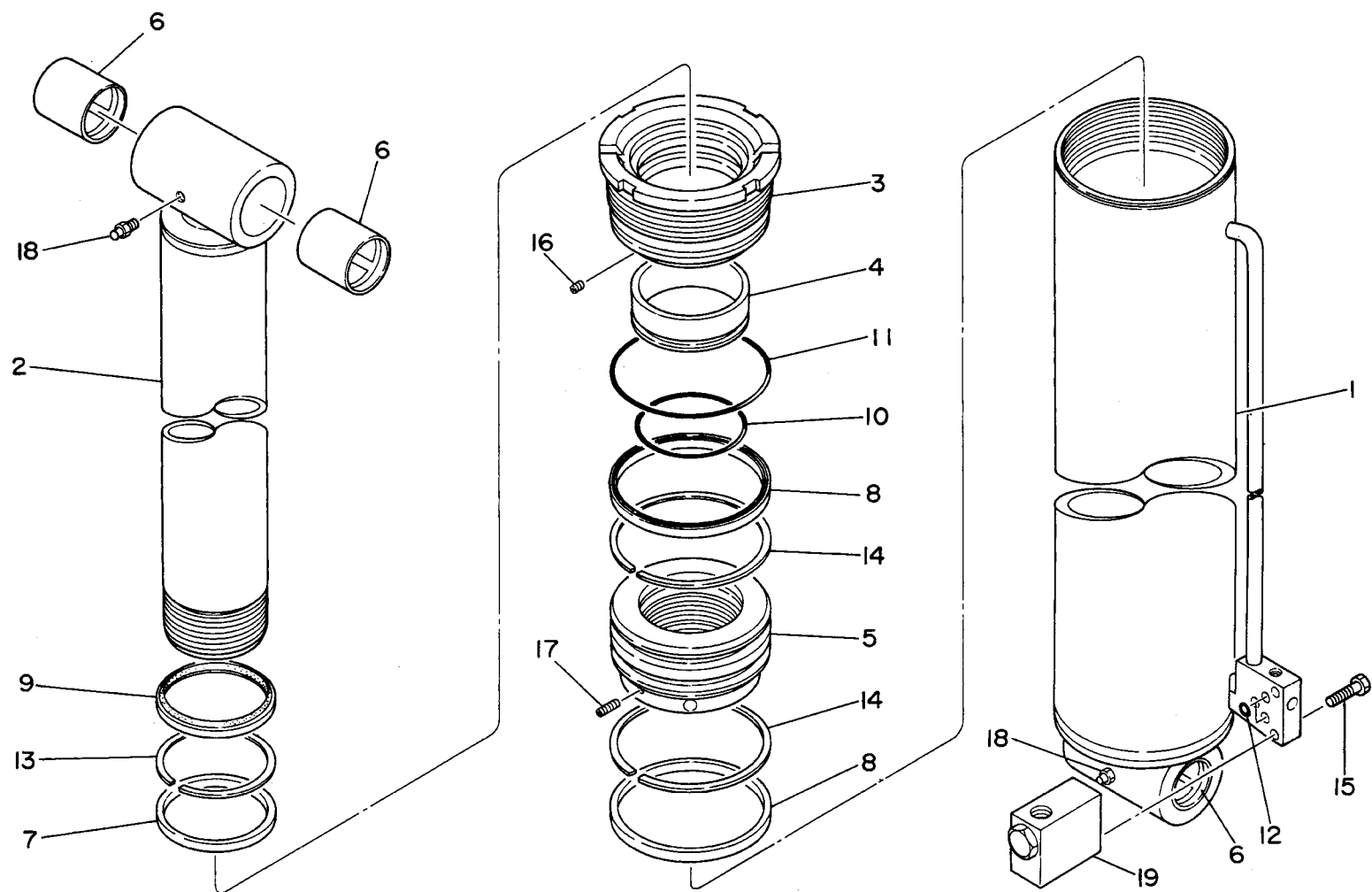


Fig.22 BOOM LIFT CYLINDER ASS'Y

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~18	08H6 11000	Boom lift cylinder Ass'y	1 set				19	6014 74000	Boom lift cylinder holding valve Ass'y	1			CB-03ED
1	08H6 11012	Tube Ass'y (1)	1						See Fig. HP4				
2	08H6 11020	Rod Ass'y (1)	1										
3	0805 11031	Gland	1										
4	0805 11040	Bushing-gland	1										
5	0805 11050	Piston	1				S	9180 511P0	Packing set	1 set			
6	0143 11061	Bushing	4										
S 7	8420 95110	Packing	1										
S 8	8231 30145	Packing	2										
S 9	8300 95109	Seal-dust	1										
S 10	7311 92095	Ring- "O"	1										
S 11	7311 92140	Ring- "O"	1										
S 12	7311 91016	Ring- "O"	2										
S 13	8280 95110	Ring-back up	1										
S 14	8281 30145	Ring-back up	2										
15	7117 08030	Bolt	3										
16	7049 06008	Bolt	2										
17	7049 08025	Bolt	1										
18	7243 32000	Nipple-grease	2										

Q...Interchangeable.

Q...New parts can interchangeable of old parts, but not vice-versa.

X...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 23 OUTRIGGER CYLINDER ASS'Y

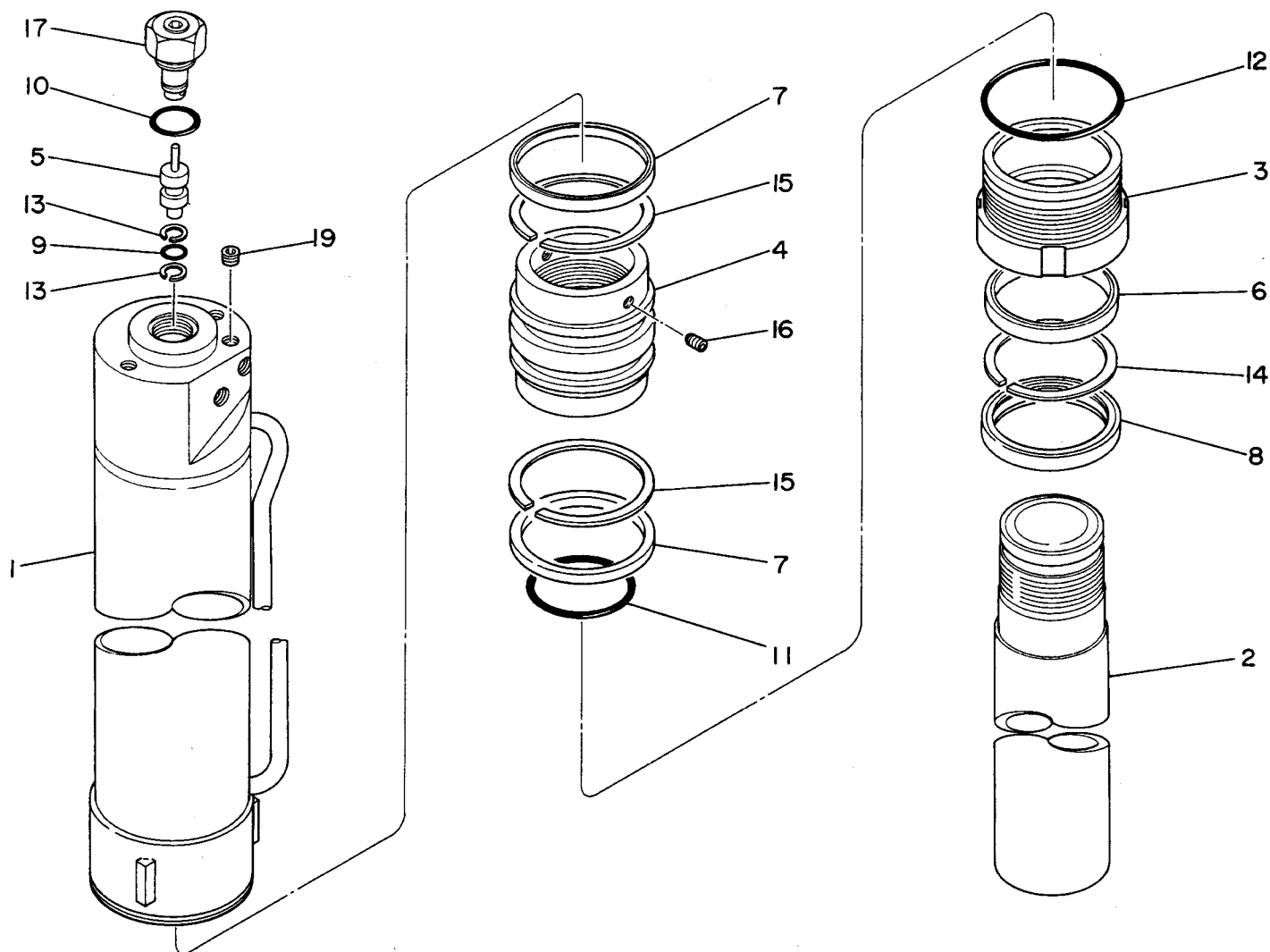


Fig.23 OUTRIGGER CYLINDER ASS'Y

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~19	08H6 14000	Outrigger cylinder Ass'y	1	set			18	☆					
1	08H6 13013	Tube Ass'y (1)	1				19	7287 20100	Plug	1			
2	0831 13012	Rod Ass'y (1)	1										
3	0805 13030	Gland	1										
4	0143 13031	Piston	1				S	9180 513p0	Packing set	1	set		
5	0143 13041	Spool	1										
S 6	8420 70080	Packing	1										
S 7	8230 75085	Packing	2										
S 8	8300 70084	Seal-dust	1										
S 9	7311 71011	Ring- "O"	1										
S 10	7311 92025	Ring- "O"	1										
S 11	7311 92065	Ring- "O"	1										
S 12	7311 92080	Ring- "O"	1										
S 13	7321 21011	Ring-back up	2										
S 14	8280 70080	Ring-back up	1										
S 15	8280 75085	Ring-back up	2										
16	7049 08010	Screw-set	2										
17	6016 81000	Pilot check valve Ass'y	1			CP-03F							
		See Fig. HP6											

⌀...Interchangeable.

⌀...New parts can interchangeable of old parts, but not vice-versa.

✂...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 24 SWIVEL JOINT ASS'Y

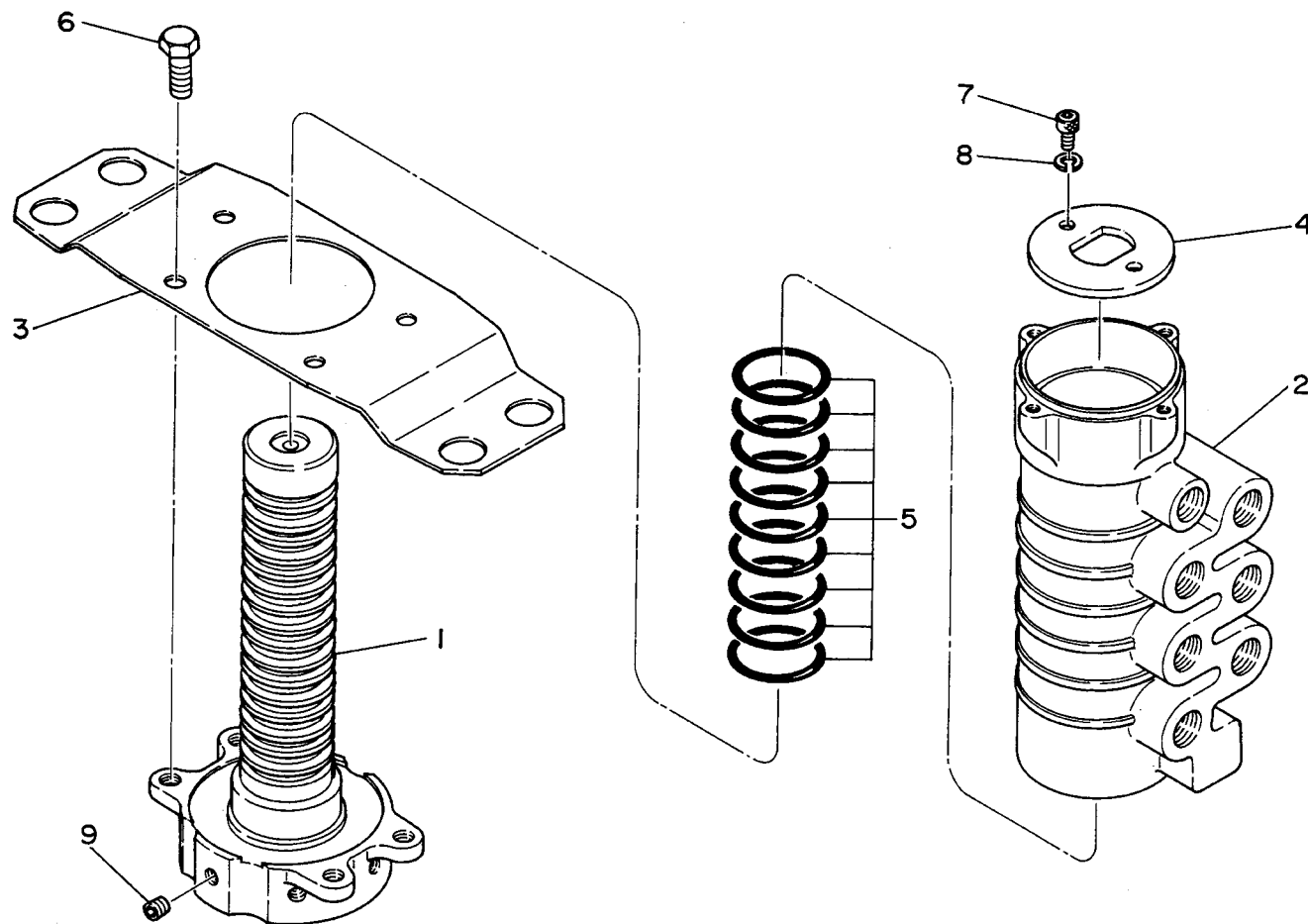


Fig.24 SWIVEL JOINT ASS'Y

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~9	08FB 43000	Swivel joint Ass'y	1 set										
1	0805 43011	Part-inner	1										
2	0805 43021	Part-outer	1										
3	0805 43031	Flange	1										
4	08FB 43010	Plate	1										
5	8374 54062	Packing	9										
6	7601 29043	Bolt	4										
7	7161 06012	Bolt	2										
8	7222 11060	Washer-spring	2										
9	7287 20200	Plug	17										

⊙...Interchangeable.

⊙...New parts can interchangeable of old parts, but not vice-versa.

✕...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 25 SLIP RING ASS'Y

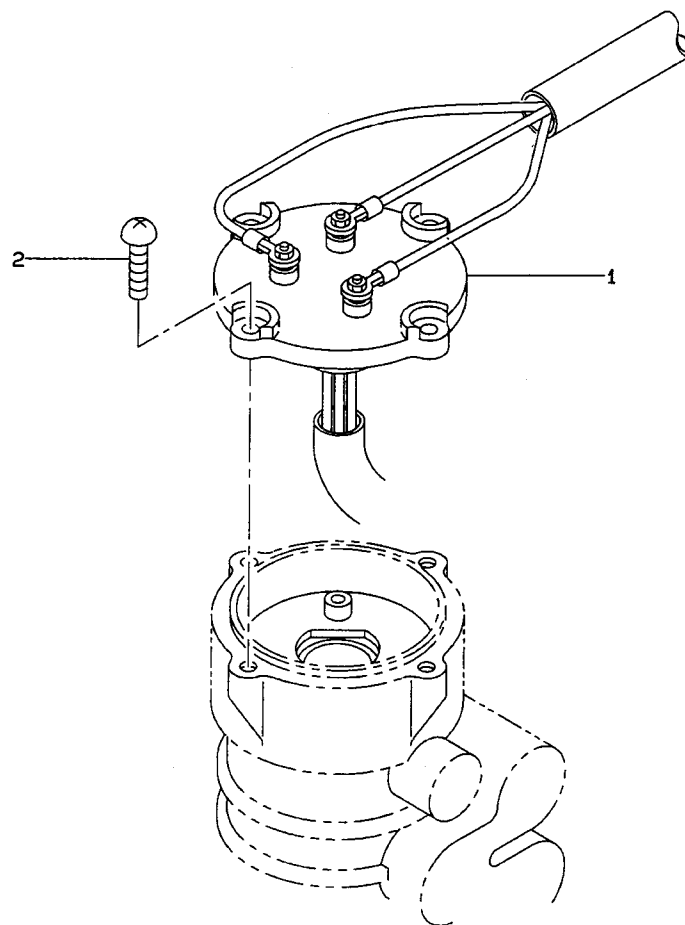


Fig. 25 SLIP RING ASS'Y

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~2	08FB 93000	Slip ring Ass'y	1 set										
1	7505 07016	Ring-slip	1										
2	7012 06015	Screw-pan head	4										

⌀ ...Interchangeable.

⌀ ...New parts can interchangeable of old parts, but not vice-versa.

✕ ...Not interchangeable.

△ ...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 26 CONTROL ASS'Y

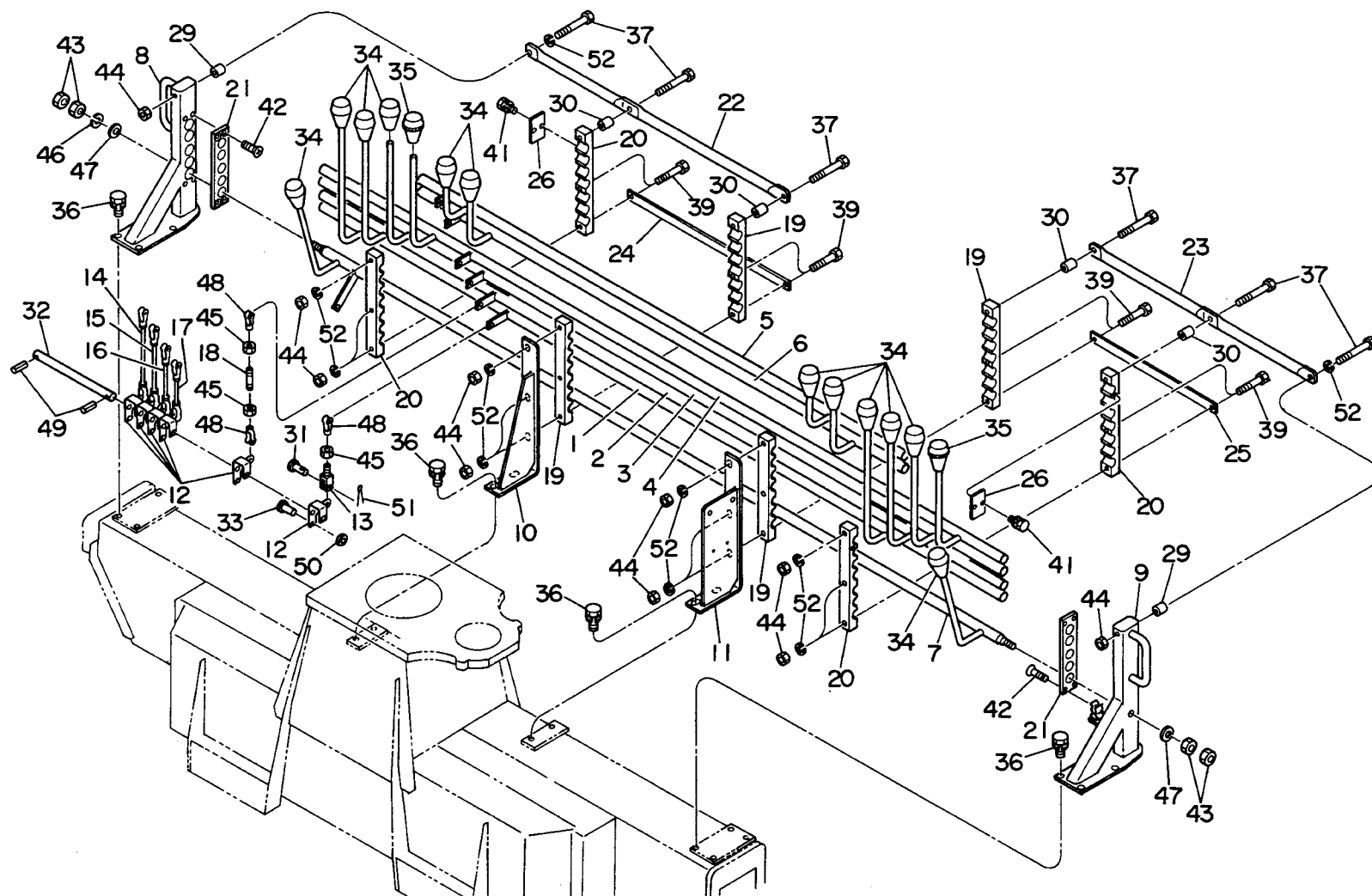


Fig. 26 CONTROL ASS'Y

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~52	08A4 58000	Control Ass'y	1 set	△			19	08A4 58210	Stopper-pipe (1)	4			
1	08A4 58011	Lever Ass'y (1)	1				20	08A4 58220	Stopper-pipe (2)	4			
2	08A4 58021	Lever Ass'y (2)	1				21	08A4 58230	Plate	2			
3	08A4 58031	Lever Ass'y (3)	1				22	08A4 58240	Pipe (1)	1			
4	08A4 58041	Lever Ass'y (4)	1				23	08A4 58250	Pipe (2)	1			
5	08A4 58051	Lever Ass'y (5)	1				24	08A4 58260	Plate (1)	1			
6	08A4 58061	Lever Ass'y (6)	1				25	08A4 58270	Plate (2)	1			
7	08A4 58071	Lever Ass'y (7)	1				26	08A4 58280	Plate (3)	2			
8	08A4 58080	Bracket (1)	1				27	☆					
9	08A4 58090	Bracket (2)	1				28	☆					
10	08A4 58110	Bracket (3)	1				29	08A4 58290	Collar (1)	2			
11	08A4 58120	Bracket (4)	1				30	08A4 58310	Collar (2)	4			
12	08A4 58130	Link	6				31	0143 54380	Pin	1			
13	08A4 58140	End-fork	1				32	0143 53141	Pin (1)	1			
14	08A4 58150	Rod (1)	1				33	0805 58240	Pin (5)	6			
15	08A4 58160	Rod (2)	1				34	080B 58010	Knob (Black)	12			
16	08A4 58170	Rod (3)	1				35	080B 58020	Knob (Red)	2			
17	08A4 58180	Rod (4)	1				36	7141 10020	Bolt & Washer	12			
18	08A4 58190	Rod (5)	1				37	7111 08080	Bolt	6			

⌀...Interchangeable.

⌀...New parts can interchangeable of old parts, but not vice-versa.

✕...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 26 CONTROL ASS'Y

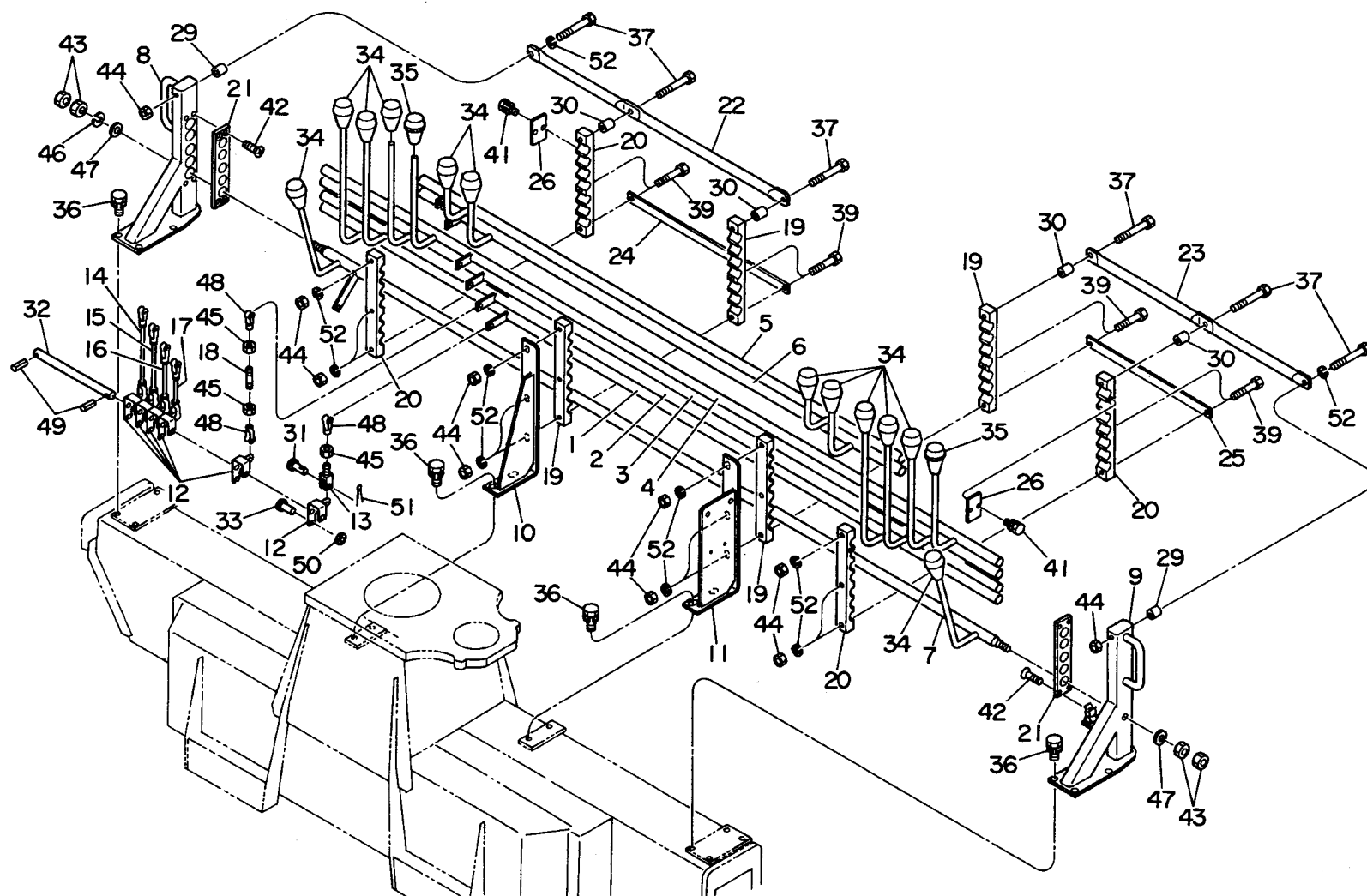


Fig. 26 CONTROL ASS'Y

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
38	☆												
39	7111 08060	Bolt	8										
40	☆												
41	7141 08015	Bolt & Washer	4										
42	7015 08020	Screw-machine	8										
43	7211 11120	Nut	4										
44	7211 11080	Nut	14										
45	7211 11060	Nut	10										
46	7222 11120	Washer-spring	1										
47	7221 12120	Washer-plain	2										
48	7609 90195	Clevis Ass'y	11										
49	7234 05025	Pin-spring	2										
50	7241 90050	Nut-push	6										
51	7231 02020	Pin-split	1										
52	7222 11080	Washer-spring	14										

☆...Interchangeable.

☆...New parts can interchange of old parts, but not vice-versa.

✕...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 27 PLACARD

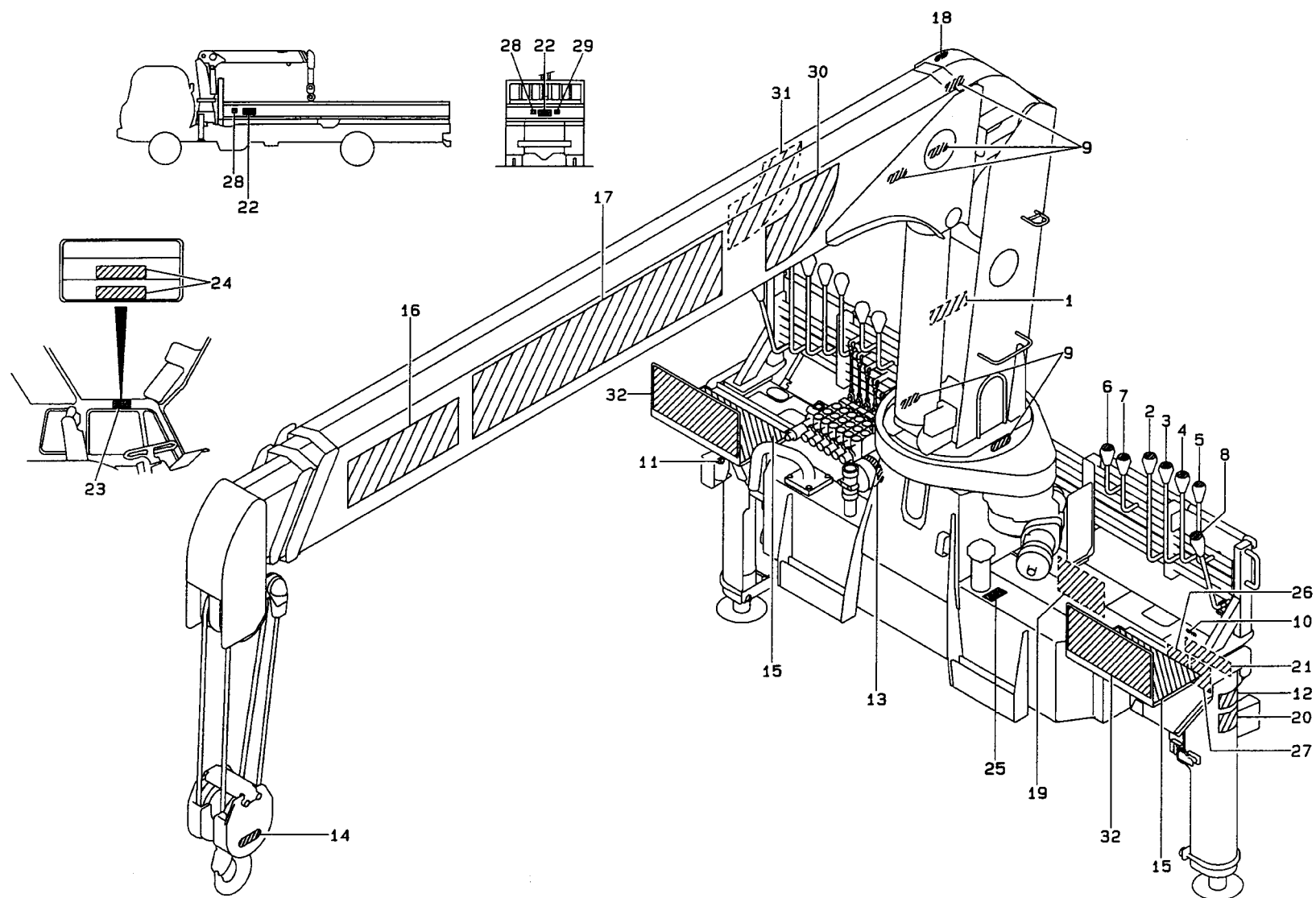


Fig.27 PLACARD

KEY No.	PARTS No.	PARTS NAME	Q'ty			M A R K	SERIAL No.	NOTE
			343	344	345			
1~32	☆	Placard	1 set	1 set	1 set	△		
1	08V8 83010	Crane model name plate	1	1	1			
2	088D 81011	Placard (Raise/Lower)	2	2	2			
3	088D 81021	Placard (Hoist)	2	2	2			
4	088D 81030	Placard (Telescoping)	2	2	2			
5	088D 81041	Placard (Swing)	2	2	2			
6	08A4 81010	Placard(Outrigger street side)	2	2	2			
7	08A4 81020	Placard(Outrigger curve side)	2	2	2			
8	08A4 81030	Placard (Accelerator)	2	2	2			
9	08J0 81070	Placard (Grease)	6	6	6			
10	08J0 81240	Placard (Warning horn)	2	2	2			
11	0882 81082	Placard (Blue mark)	2	2	2			
12	0891 81060	Placard(Caution, 0/R operation)	2	2	2			
13	0891 81070	Placard (Filter)	1	1	1			
14	08A4 81140	Placard (Hook)	2	2	2			
15	08A4 81080	Placard (Operating instructions)	2	2	2			
16	6021 05030	Placard (UNIC)	2	2	2			
17	08FB 81020	Placard (A340)	2	2	2			
	08FB 81050	Placard (A340)	2	2	2			Body color : white
18	08AB 83010	Placard(Molybdenum grease)	1	1	1			
19	088F 81090	Placard(Electrocution Hazard)	2	2	2			
20	088F 81050	Placard(Danger, 0/R operation)	2	2	2			
21	088F 81070	Placard (Replacement warning)	2	2	2			
22	088F 81110	Placard(Electrocution Hazard)	3	3	3			
23	088F 81080	Placard (Caution, RPM Loading)	1	1	1			
24	6021 04431	Placard(Name plate "UNIC")	2	2	2			
25	088F 81060	Placard (Hydraulic oil only)	1	1	1			
26	08A4 81090	Placard (Caution, inspect vehicle)	2	2	2			
27	08A4 81110	Placard (Danger, two blocking)	2	2	2			
28	08A4 81120	Placard (Danger, Ride Load line)	3	3	3			
29	08A4 81130	Placard (Danger, Hoisting Personnel)	1	1	1			
30	08TV 81020	Placard (Boom angle R.H.)	1					
	08UA 81010	Placard (Boom angle R.H.)	1					
	08UB 81010	Placard (Boom angle R.H.)		1				
31	08TV 81030	Placard (Boom angle L.H.)	1					
	08UA 81020	Placard (Boom angle L.H.)	1					
	08UB 81020	Placard (Boom angle L.H.)		1				

☆...Interchangeable.

☆...New parts can interchangeable of old parts, but not vice-versa.

✱...Not interchangeable. △...Part not for sale.

D...Disuse.

Q...Quantity

[illegible]

101

Fig. 28 EQUIPMENT

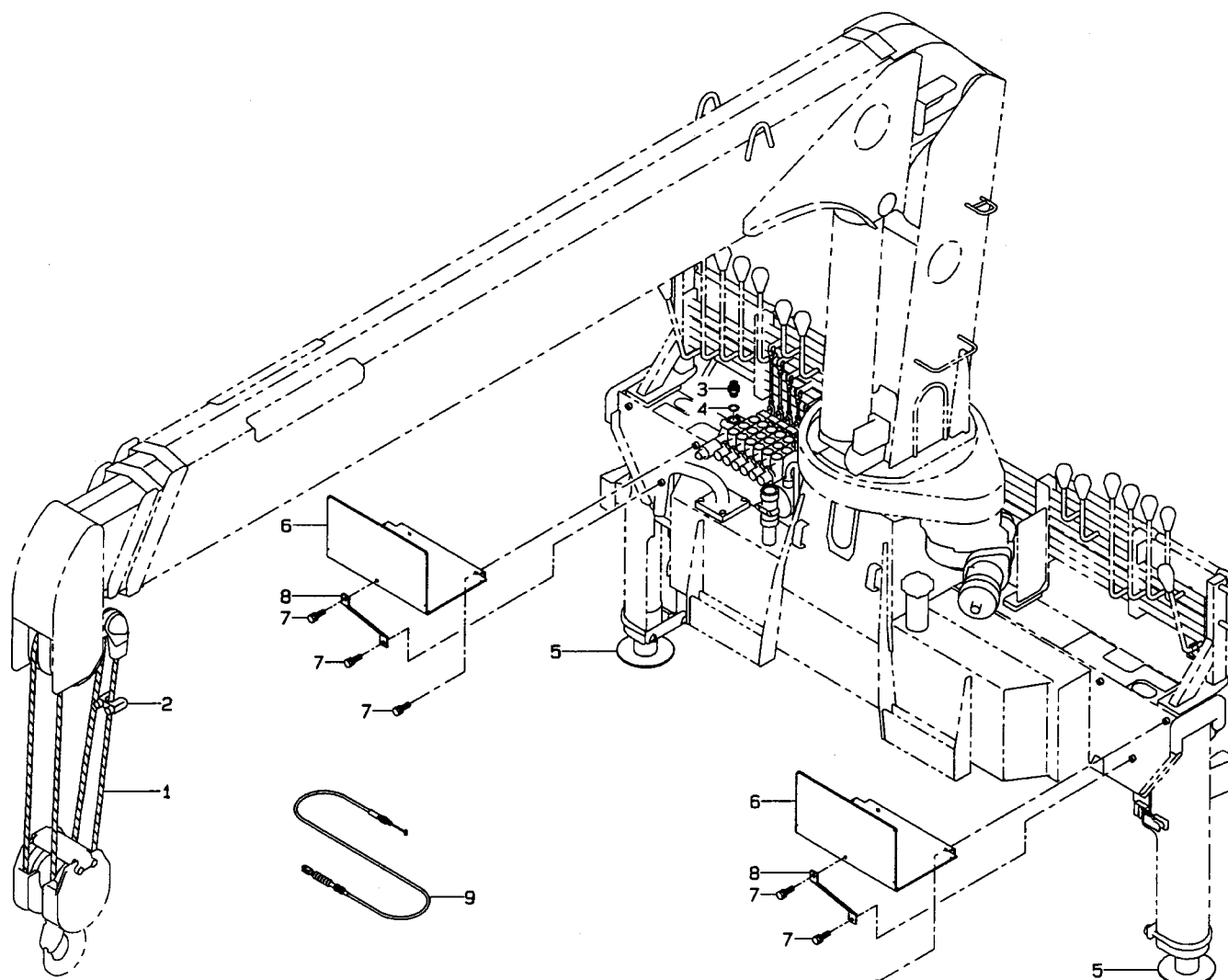


Fig. 28 EQUIPMENT

KEY No.	PARTS No.	PARTS NAME	Q'ty			M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q'ty			M A R K	SERIAL No.	NOTE
			343	344	345							343	344	345			
1~9	☆	Equipment	1	1	1	set	△										
1	7602 50168	Rope-wire	1					φ 8 × 50.5m									
	7602 50169	Rope-wire		1				φ 8 × 62.5m									
	7602 50170	Rope-wire			1			φ 8 × 72.5m									
2	7601 60064	Clip-wire	1	1	1												
3	0891 81020	Joint	1	1	1												
4	7311 91018	Ring-"O"	1	1	1												
5	0143 88420	Float	2	2	2												
6	08TV 81010	Panel	2	2	2												
7	7141 08015	Bolt & Washer	8	8	8												
8	088F 81120	Plate	2	2	2												
9	7602 60050	Wire-accelerator	1	1	1												

☆...Interchangeable.

☆...New parts can interchange of old parts, but not vice-versa.

✕...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. 29 WIRE ROPE CLAMPING ROLLER DEVICE ASS'Y

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~14	6042 63000	Wire rope clamping roller device Ass'y	1 set	△									
1	6042 35010	Bracket (1)	1										
2	6042 63010	Bracket (2)	1										
3	6042 35030	Pin (12)	1										
4	6042 63020	Roller (1)	1										
5	6042 35050	Roller (2)	2										
6	6042 63030	Pin (8)	1										
7	6042 35070	Collar	2										
8	6042 35080	Spring	2										
9	☆												
10	7141 08012	Bolt & Washer	1										
11	7260 06082	Bearing	4										
12	7211 11060	Nut	2										
13	7221 12060	Washer-plain	2										
14	7222 11060	Washer-spring	2										
	(Note)	To be equipped as optional for 3,4-section Boom, and as standard for 5-section Boom.											

☆...Interchangeable.

☆...New parts can interchange of old parts, but not vice-versa.

✕...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

HYDRAULIC PARTS

Fig.HP1 CONTROL VALVE ASS'Y

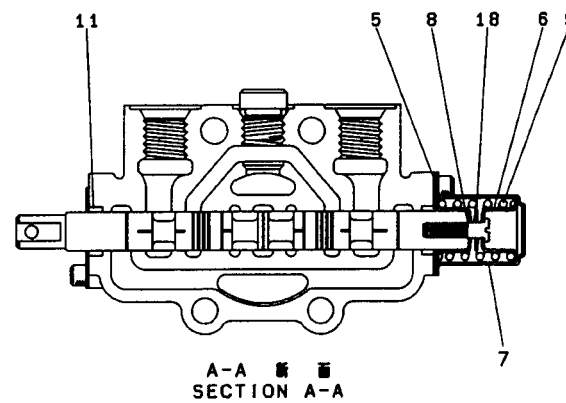
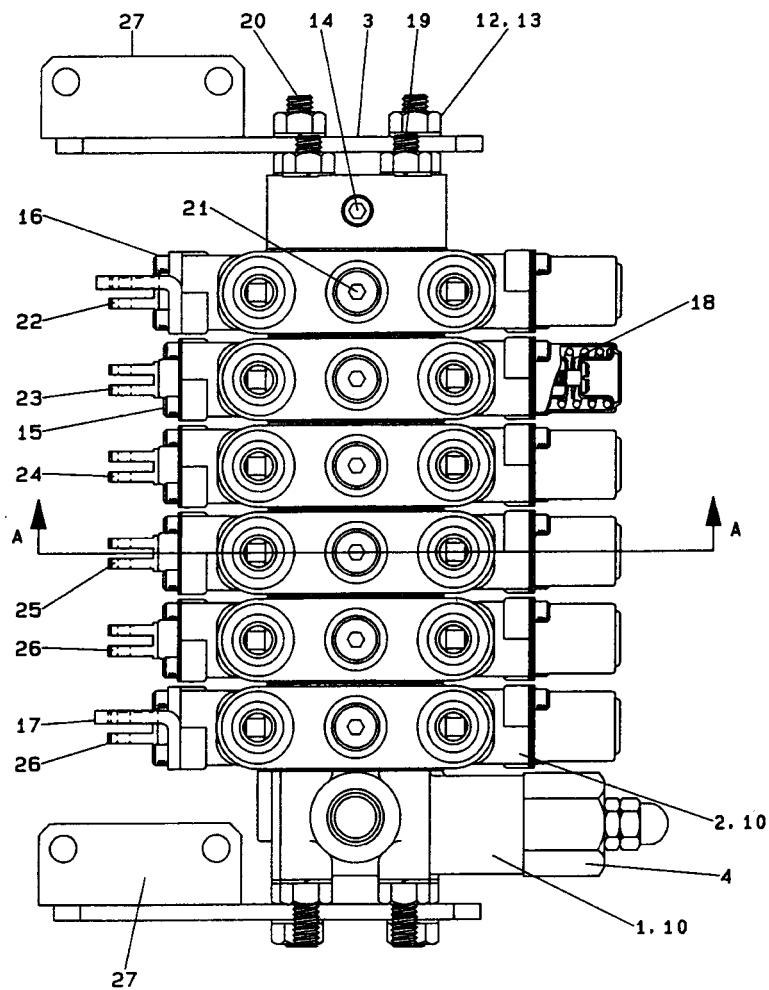


Fig.HP1 CONTROL VALVE ASS'Y

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~27	6050 28000	Control valve Ass'y	1 set				18	6015 50090	Spacer	2			
1	6050 07020	Body-inlet	1				19	6016 25040	Rod-tie (320)	2			
2	6016 25010	Body-valve (Parallel)	6				20	6015 60010	Rod-tie (335)	2			
3	6016 25021	Body-outlet	1				21	7288 90300	Plug	6			
4	6014 93000	Relief valve Ass'y	1			RT-15C	22	6017 28040	Meter in out spool	1			Boom lift cyl.
		See Fig. HP2					23	6017 28010	Meter out spool	1			Hoist motor
5	6015 50040	Seat-seal	10				24	6016 39021	Meter in spool	1			Extension cyl.
6	6015 50050	Seat-spring	12				25	6050 07011	Meter in spool "S"	1			Swing motor
7	6017 25010	Cover	6				26	6015 50161	Meter in spool	2			Outtrigger
8	6015 50072	Screw-cap	6				27	6019 03020	Bracket (2)	2			
9	6016 25030	Spring	6										
10	7701 70026	Ring-"O"	7										
11	7702 20003	Seal-dust	12										
12	7222 11100	Washer-spring	12										
13	7211 15100	Nut	12										
14	7287 20200	Plug	1										
15	7161 06008	Bolt	20										
16	7161 06012	Bolt	4										
17	6015 50114	Bracket	2										

⌀...Interchangeable.

⌀...New parts can interchange with old parts, but not vice-versa.

✕...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. HP2 RELIEF VALVE ASS'Y (RT-15C)

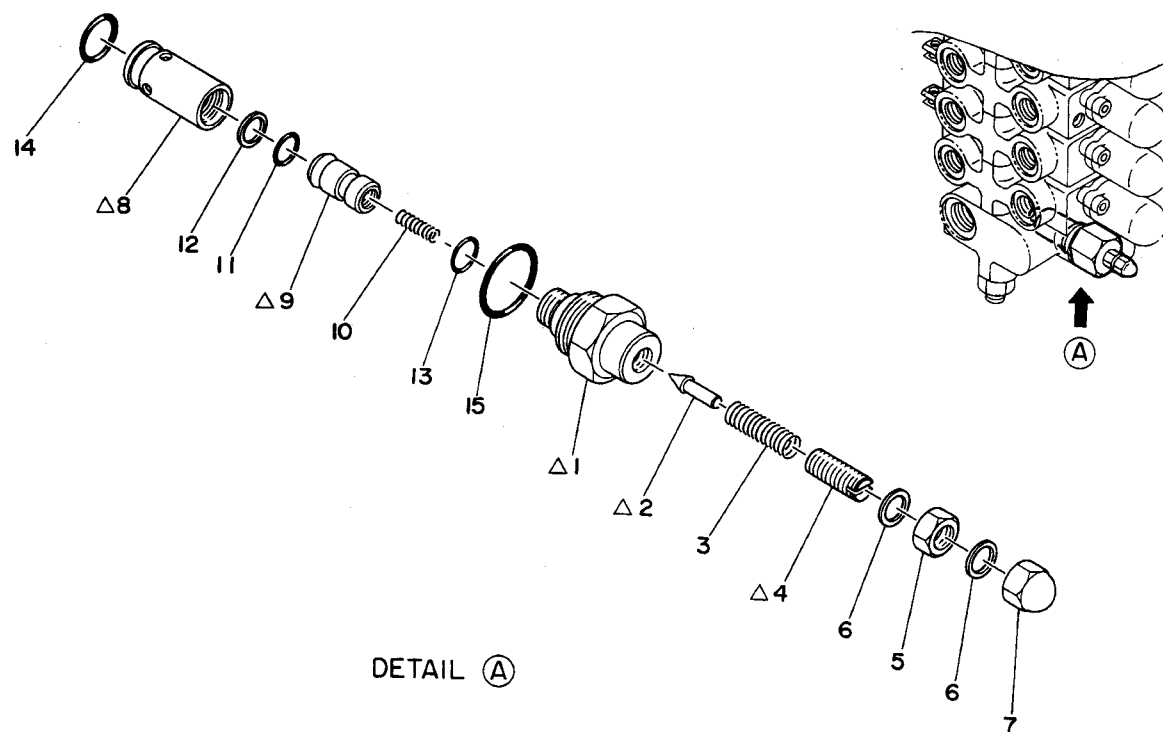


Fig. HP2 RELIEF VALVE ASS'Y (RT-15C)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~15	6014 93000	Relief valve Ass'y	1			RT-15C							
1	☆	Cap	1	△									
2	☆	Valve-pilot	1	△									
3	6014 87060	Spring-pilot	1										
4	☆	Screw-adjusting	1	△									
5	6014 93060	Nut	1										
6	6013 07070	Washer-seal	2										
7	6041 93051	Nut-cap	1										
8	☆	Seat-valve	1	△									
9	☆	Valve-main	1	△									
10	6014 93040	Spring-main	1										
11	7311 73012	Ring-"O"	1										
12	7321 23012	Ring-back up	1										
13	7311 74512	Ring-"O"	1										
14	7311 91015	Ring-"O"	1										
15	7311 71024	Ring-"O"	1										

☆...Interchangeable.

☆...New parts can interchangeable of old parts, but not vice-versa.

✕...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. HP3 EXTENSION CYLINDER HOLDING VALVE ASS'Y (CB-03ET)

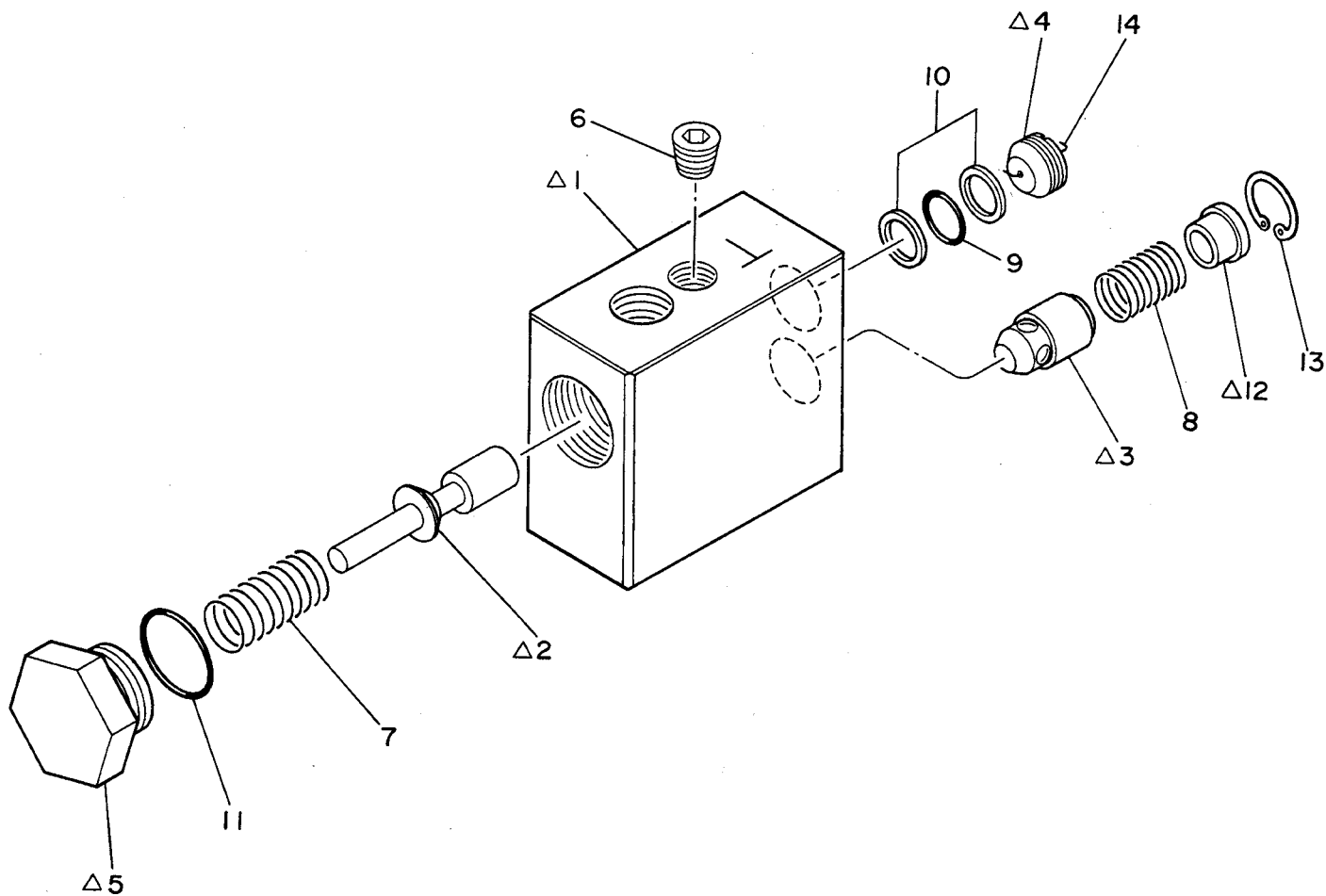


Fig. HP3 EXTENSION CYLINDER HOLDING VALVE ASS'Y (CB-03ET)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~14	6014 73000	Extension cylinder holding valve Ass'y	1 set			CB-03ET							
1	☆	Body	1	△									
2	☆	Spool	1	△									
3	☆	Check valve	1	△									
4	☆	Orifice	1	△									
5	☆	Plug	1	△									
6	7287 20200	Plug	1										
7	6014 73050	Spring (1)	1										
8	6011 93070	Spring (2)	1										
9	7311 71012	Ring- "O"	1										
10	7321 21012	Ring-back up	2										
11	7311 91020	Ring- "O"	1										
12	☆	Seat-spring	1	△									
13	7241 20160	Ring-snap	1										
14	6014 73060	Wire	1										

☆...Interchangeable.

☆...New parts can interchangeable of old parts, but not vice-versa.

△...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. HP4 BOOM LIFT CYLINDER HOLDING VALVE ASS'Y (CB-03ED)

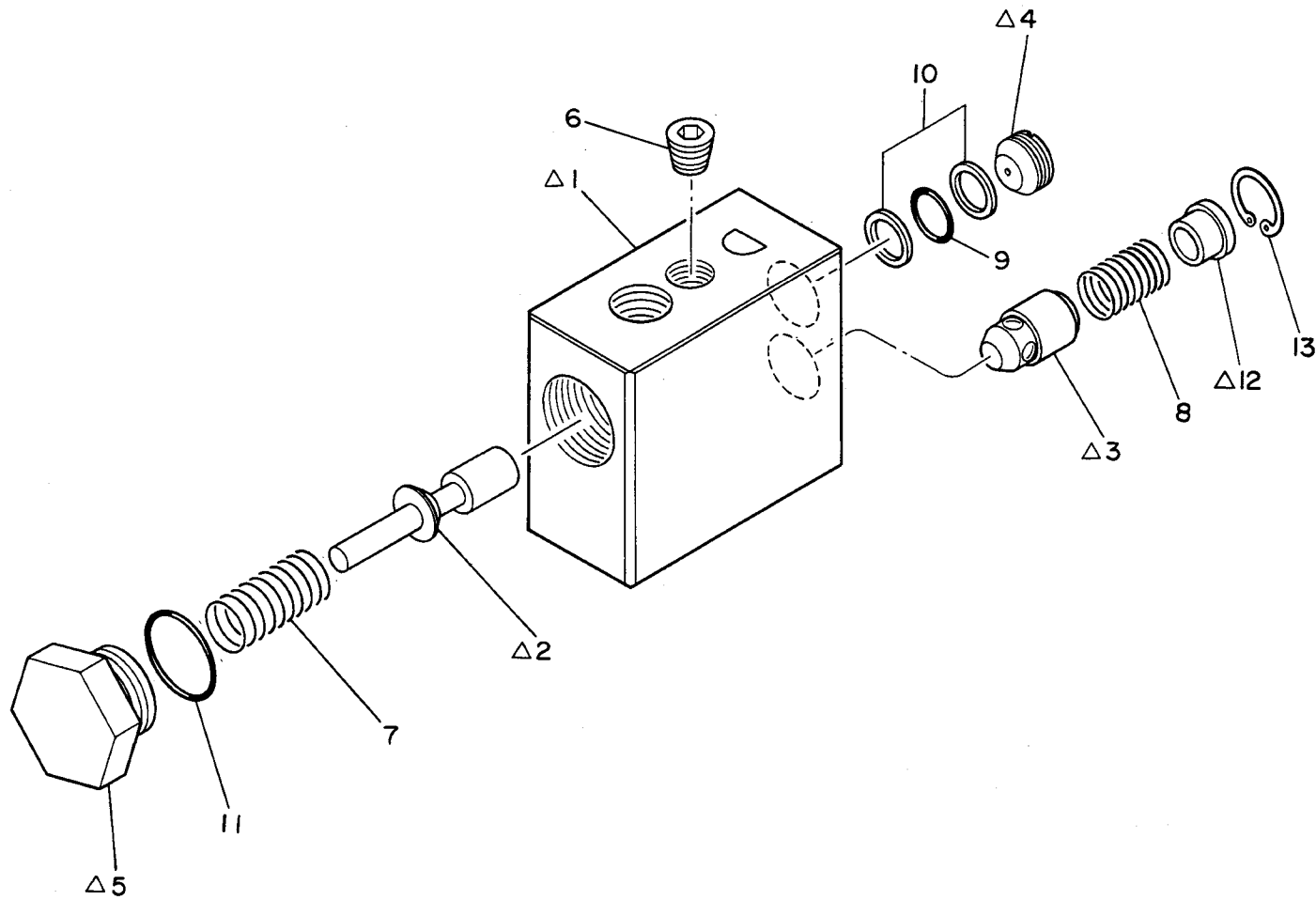


Fig. HP4 BOOM LIFT CYLINDER HOLDING VALVE ASS'Y (CB-03ED)

KEY No.	PARTS No.	PARTS NAME	Q • t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q • t y	M A R K	SERIAL No.	NOTE
1~13	6014 74000	Boom lift cylinder holding valve Ass'y	1 set			CB-03ED							
1	☆	Body	1										
2	☆	Spool	1										
3	☆	Check valve	1										
4	☆	Orifice	1										
5	☆	Plug	1										
6	7287 20200	Plug	1										
7	6014 73050	Spring (1)	1										
8	6011 93070	Spring (2)	1										
9	7311 71012	Ring- "O"	1										
10	7321 21012	Ring-back up	2										
11	7311 91020	Ring- "O"	1										
12	☆	Seat-spring	1										
13	7241 20160	Ring-snap	1										

☆...Interchangeable.

☆...New parts can interchangeble of old parts, but not vice-versa.

✕...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. HP5 RETURN FILTER ASS'Y

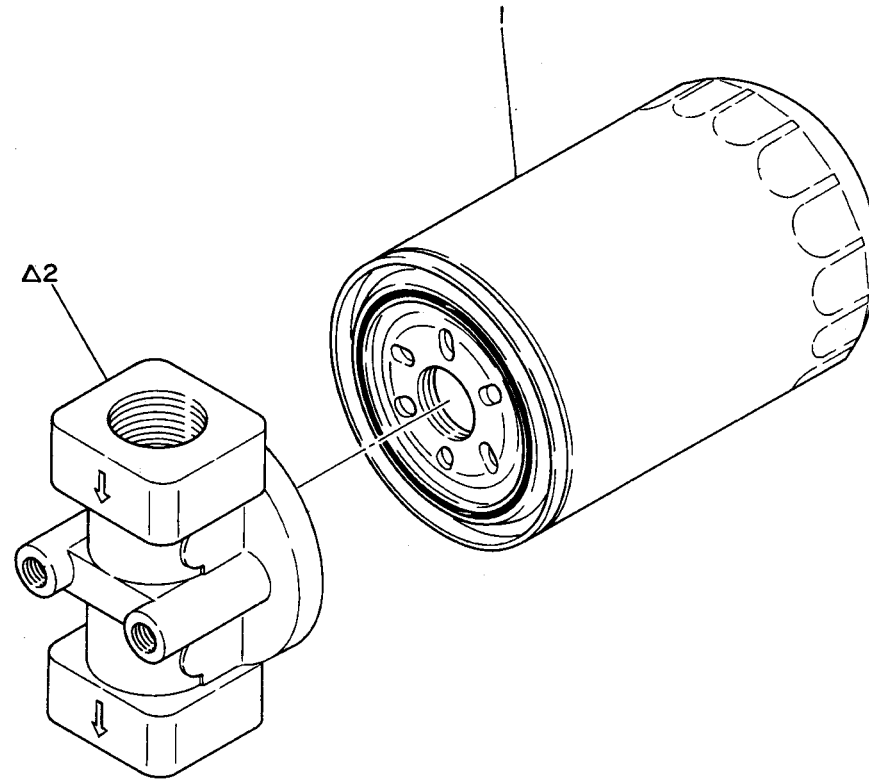


Fig. HP5 RETURN FILTER ASS'Y

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~2	7405 80600	Return filter Ass'y	1 set										
1	7405 80204	Filter-cartridge	1										
2	☆	Head	1	△									

↺...Interchangeable.

↺...New parts can interchange of old parts, but not vice-versa.

✂...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig.HP6 OUTRIGGER CYLINDER HOLDING VALVE ASS'Y (CP-03F)

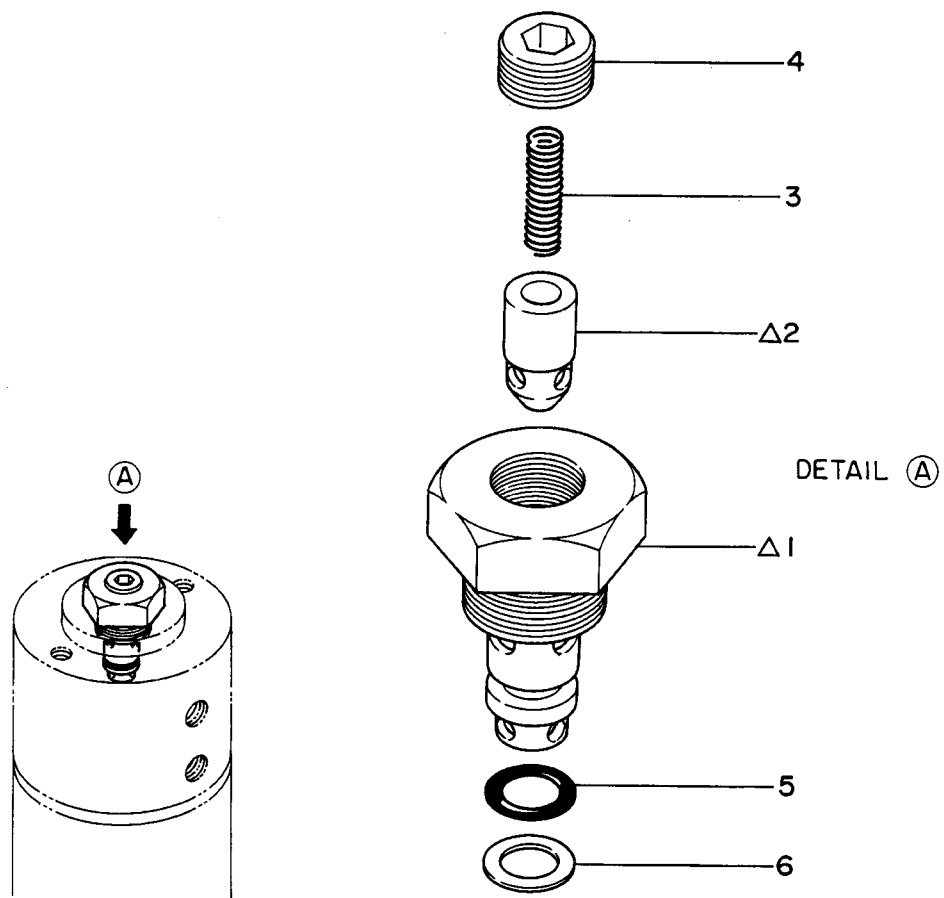


Fig. HP6 OUTRIGGER CYLINDER HOLDING VALVE ASS'Y (CP-03F)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE	KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~6	6016 81000	Outrigger cylinder holding valve Ass'y	1	set		CP-03F							
1	☆	Seat-valve	1	△									
2	☆	Valve-check	1	△									
3	6013 09040	Spring	1										
4	7287 20300	Plug	1										
5	7311 71011	Ring-"O"	1										
6	7321 21011	Ring-back up	1										

⌘...Interchangeable.

⌘...New parts can interchange with old parts, but not vice-versa.

⌘...Not interchangeable.

△...Part not for sale.

D...Disuse.

Q...Quantity

Fig. HP7 PILOT CHECK VALVE ASS'Y (CP-03W)

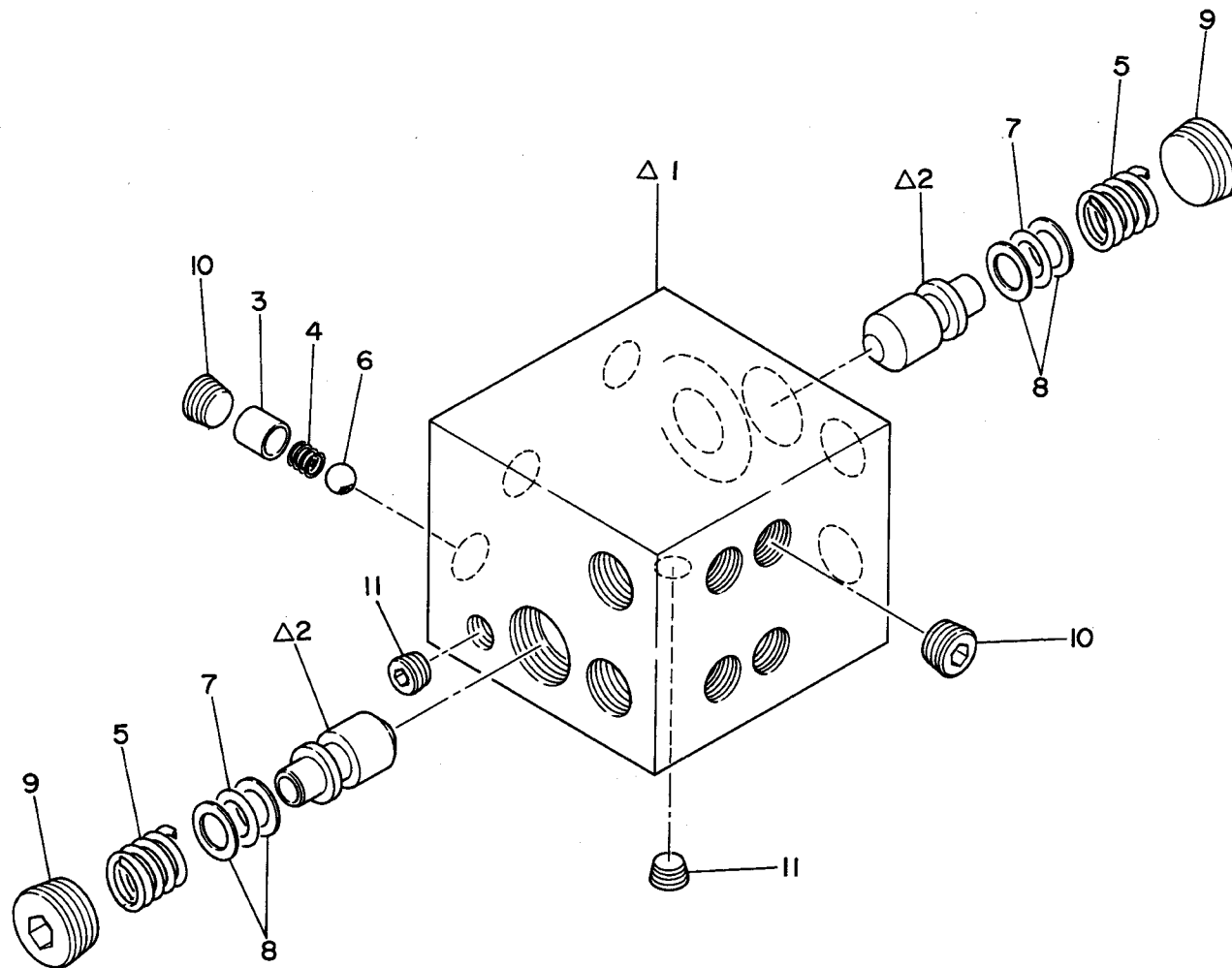


Fig. HP7 PILOT CHECK VALVE ASS'Y (CP-03W)

KEY No.	PARTS No.	PARTS NAME	Q t y	M A R K	SERIAL No.	NOTE
1~11	6017 02000	Pilot check valve Ass'y	1 set			CP-03W
1	☆	Valve body	1	△		
2	☆	Valve-check	2	△		
3	6011 78030	Seat-spring	2			
3	6019 12030	Seat-spring	2			
4	6017 02030	Spring	2			
5	6017 02050	Spring (2)	2			
6	7600 00978	Ball-steel	2			
7	7311 71012	Ring-"O"	2			
8	7321 21012	Ring-back up	4			
9	7287 20400	Plug	2			
10	7287 20200	Plug	6			
11	7287 20100	Plug	2			

...Interchangeable.

...New parts can interchangeable of old parts, but not vice-versa.

* ...Not interchangeable.

△ ...Part not for sale.

D...Disuse.

Q...Quantity

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