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KATO

HYDRAULIC TRUCK CRANE

NK-400E-III
NK-500E-III
NK-500M-III

UNIT PARTS LIST

HT56

Serial No: 812 5415

KATO WORKS CO.,LTD.

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注意事項
PRECAUTIONS

1. 注意事項

(1) 「構成部品」を表しているイラストは、各構成部品を判別することを目的としているため、形状及び組み順序が多少現品と異なっている場合もあります。

(2) 機械の補修の際は、KATO純正部品を必ずご使用ください。
もし、KATO純正部品以外の部品を使用した場合の故障や事故などに対して、KATOは保証しかねます。

1. PRECAUTIONS

(1) The object of illustration showing "composing parts" is to identify each composing part, hence there might be a case where shapes and assembly sequences are slightly different from those of real parts.

(2) When repairing the machine, be sure to use KATO's genuine parts. If parts other than KATO's genuine parts are used, KATO will not guarantee the machine against any possible troubles involving fails or damages.

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部品の注文方法
HOW TO ORDER PARTS

1. 部品の注文方法

「ユニット部品」の「構成部品」を注文する場合は、以下に示す手順でその部品番号を選び出してください。

[例]
NK-500E-Ⅲのリターンフィルタ（ユニット部品）のフィルタエレメント（構成部品）を注文する場合

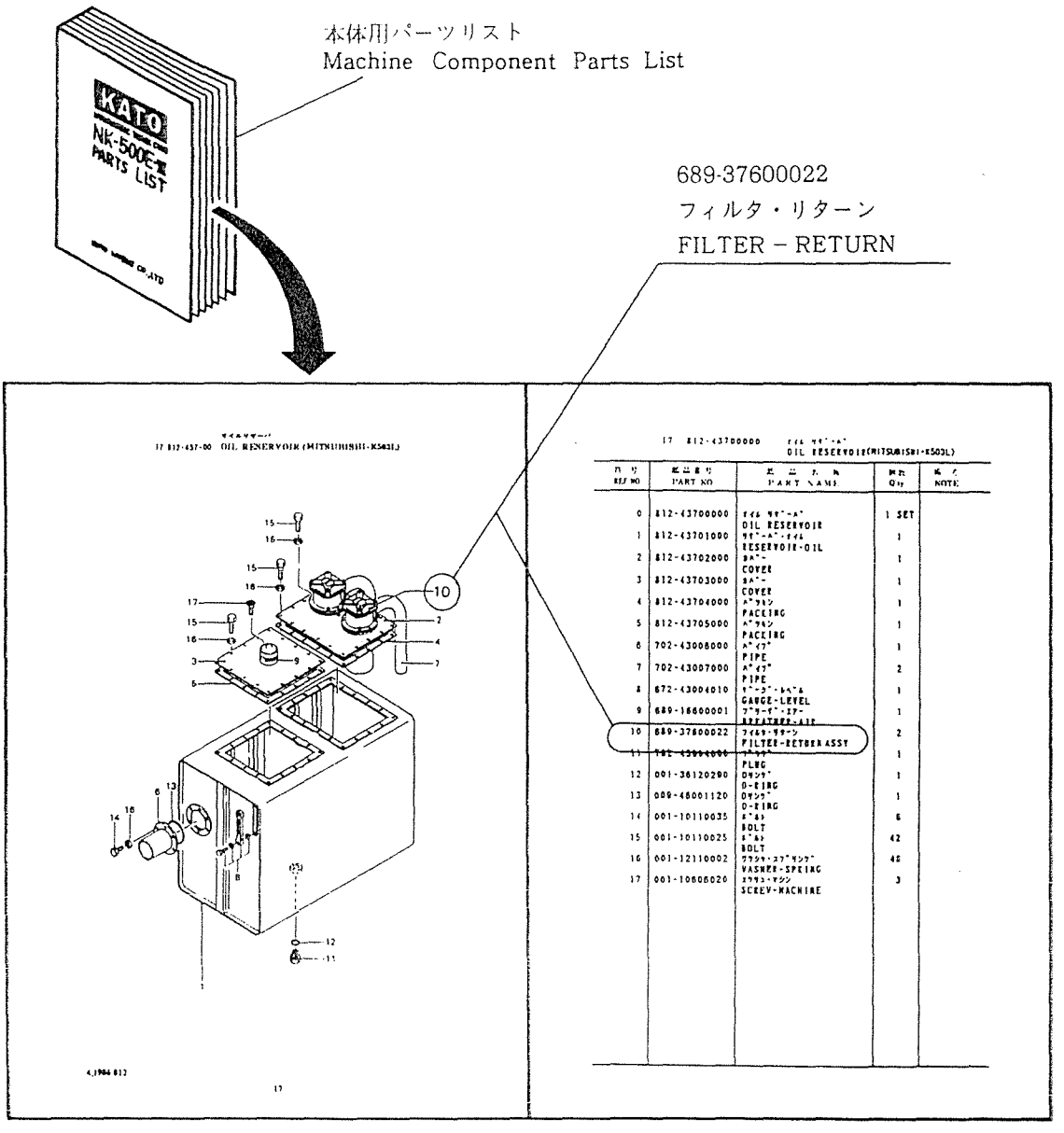
(1) NK-500E-Ⅲの「本体用パーツリスト」から、リターンフィルタのアッセンブリの部品番号（この例では689-37600022）を捜し出します。

1. HOW TO ORDER PARTS

When ordering "composing parts" of the "assembly unit", pick up their part number in accordance with the following procedures.

[Example]
In case of ordering a filter element (composing part) of the return filter (assembly unit) on NK-500E-Ⅲ.

(1) Pick up the parts number (689-37600022 in this example) of return filter assembly from the "Machine Component Parts List" of NK-500E-Ⅲ.



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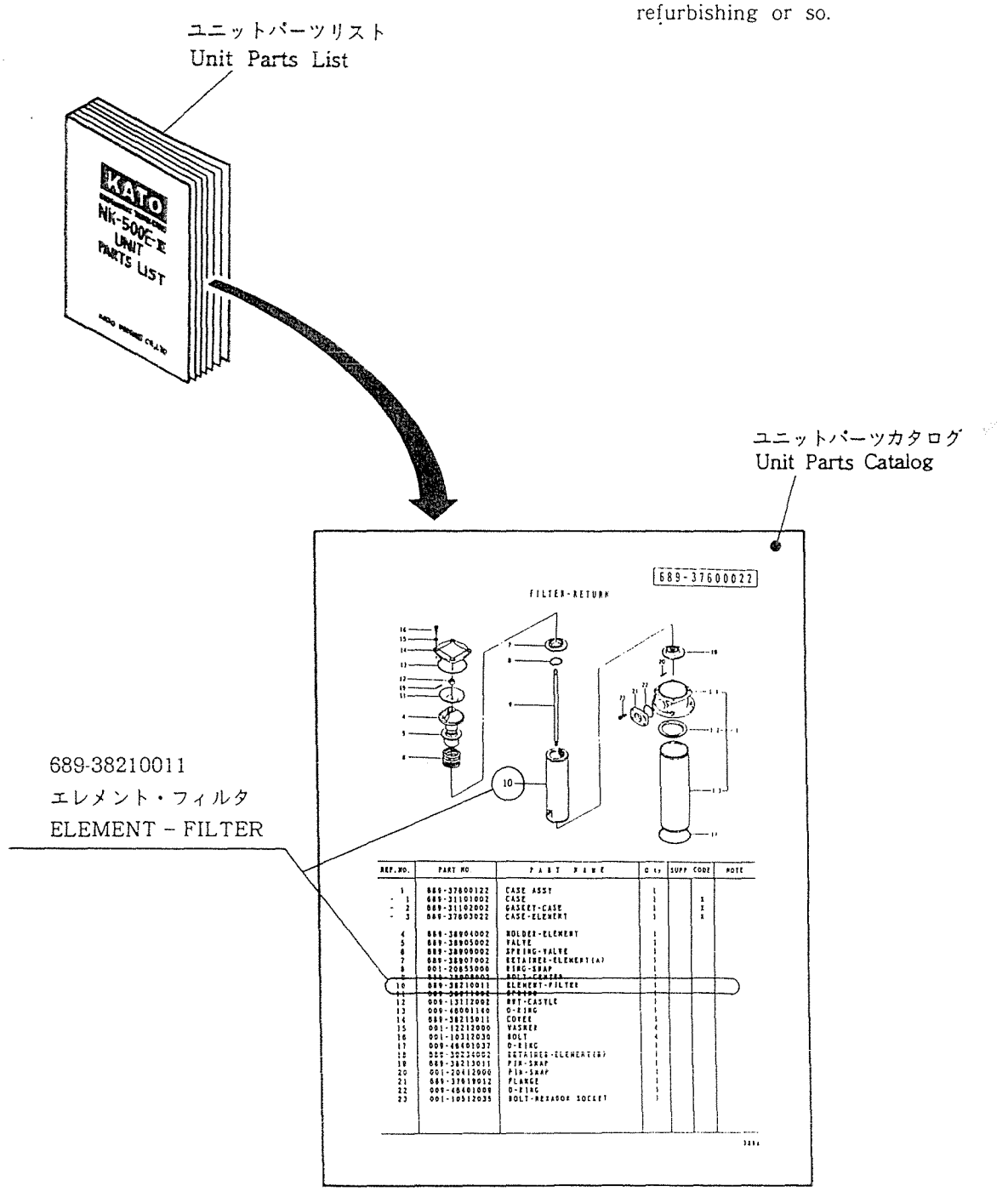
(2) 次に、ユニットパーツリストより、上記（1）で捜し出したアッセンブリの部品番号（この例では689-37600022）の「ユニットパーツカタログ」を開いて、注文すべきフィルタエレメントの部品番号（この例では689-38210011）を選び出します。

記 「本体用パーツリスト」と「ユニットパーツリスト」との発行時期の違いにより、ユニット部品のアッセンブリ部品番号が多少異なる場合があります。

(2) And next, open the page of the Parts Catalog showing the number 689-37600022 (which has been picked up in (1) above) in this "Unit Parts List" and find out the part number (689-38210011) of the filter element to be ordered.

Note There might be a case where the parts number of assembly unit slightly differs depending on the timing of issuing the "Machine Component Parts List" and "Unit Parts List" due to the modification, refurbishing or so.



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(3) 部品のご注文は、お近くのKATO部品販売店へご用命ください。
その際、次の事項をご連絡いただければ、それらの資料をもとに誤りのない部品が期間を縮めて出荷できます。

(3) For ordering parts, please contact KATO distributor. If the following information is available on that occasion, it will be facilitate own order processing.

	必要事項 Information	注文例 Example
①	注文したい部品番号 Required part number (s)	689-382100011
②	注文したい部品名称 Required part name (s)	エレメント・フィルタ ELEMENT – FILTER
③	注文したい個数 Required quantity (-ties)	1個 1 pc.
④	機種名 Model name (s)	NK-500E-Ⅲ
⑤	機体の製造番号 Machine serial number (s)	812008
⑥	ユニットパーツカタログに記載があればユニット部品の製造番号又はロット番号 First manufacturing serial number (S/No.) or lot number (s) of assembly unit if it is described in Unit Parts Catalog	8Y11015
⑦	修理を必要とするユニット部品の打刻製造番号 Manufacturing serial number (s) on assembly unit which requires repairing	8Z11038
⑧	ユニット部品のアッセンブリ部品番号及び部品名称 Part number and part name of assembly unit.	689-37600022 ／ フィルタ・リターン FILTER – RETURN
⑨	架装車種名及び車体番号 Chassis model and serial number (s)	三菱K203／K203 – 20001 (他、日デKG45S、いすゞP – NKR等) MITSUBISHI K203／K203 – 20001 (Others including, NISSAN DIESEL KG45S, ISUZU P-NKR, etc.)

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ユニットパーツカタログ部品リストの見方
HOW TO READ THE PARTS LIST IN THE UNIT PARTS CATALOG

1. 部品リストの見方

(1) 部品リストの「Q'ty」欄に表示されている個数は、原則としてユニット部品の1セット分に使われている個数を表しています。(したがって、機種1台分に必要な個数を表したものではありません。)

記 「Q'ty」欄に「AR」と表示されている場合は、個々によりその調整個数又は厚みが異なることを示しています。したがいまして、例えば「シム」を注文する場合は「シムキット 1セット」としてください。
(ここで「AR」とは「As Required」すなわち「必要に応じて」という意味です。)

記 セット部品の個数については、次項 (2) の説明を御覧ください。

(2) 部品リストの「REF. NO.」欄に表示されている番号のうち、ハイフンの付いた番号 (－1,－－1,－2,－－2,など) は、セット部品 (サブアッセンブリ、キット、セット部品など) を構成する部品であることを示しています。

1. HOW TO READ THE PARTS LIST

(1) The quantity shown in the Q'ty column of the "Parts List" represents the number used in one set of assembly unit as a general rule. (Therefore, it is not the quantity required for a machine.)

Note "AR" in the Q'ty column shows that its adjusting quantity of thickness varies individually. When ordering "Shim" for example, please specify "Shim Kit Set". (Here, "AR" stands for "As Required".)

Note As for the quantity of set parts, refer to the following explanations in (2).

(2) Of numbers shown in the REF. NO. column of the "Parts List", the number with hyphen (－1, －－1, －2, －－2, etc.) shows that it is a part which makes up the set parts (sub-assembly, kit, set parts, etc.).

[例]
[Exapmple]

表1
Table－1

S／NO.＊＊＊＊＊＊＊＊＊

REF. NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
20	619-52125000	PISTON KIT	1			
- 1	619-31019001	PISTON ASSY	0		X	
-- 1	619-39421001	PISTON	1		X	
-- 2	619-31081011	SHOE	1		X	

記 表1右上の "S／NO." は「ユニット部品の初号製造番号又はロット番号」を表しています。

Note "S／NO." on the upper right side of Table 1 refers to "First Manufacturing Serial Number (S／No.) or Lot Number(s) of Assembly Unit".

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表1の部品リストを例にとると以下のようになります。

① ハイフンが1個付いたREF.NO."－1"(PISTON ASSY)は、ハイフンの付かないREF. NO."20"(PISTON KIT)を構成している部品であることを示しています。
また、Qty欄の"9"は、PISTON KITの1セットが、PISTON ASSY 9セットにより構成されていることを示しています。

② ハイフンが2個付いたREF. NO."－－1"(PISTON)及び"－－2"(SHOE)は、ハイフンが1個付いたREF. NO. "－1"(PISTON ASSY)を構成している部品であることを示しています。
また、Qty欄の"1"は、PISTON ASSYの1セットが、PISTON 1個及びSHOE 1個により構成されていることを示しています。

Here follows an explanation taking the "Parts List" in Table－1 as an example.

① REF. NO."－1" (PISTON ASSY) shows that it is a part which compose REF. NO. "20" (PISTON KIT).
Also, "9" in the Q'ty column shows that 1 set of PISTON KIT is composed of 9 sets of PISTON ASSY.

② REF. NO. "－－1" (PISTON) and "－－2" (SHOE) show that it is part which compose REF. NO. "－1" (PISTON ASSY).
Also, "1" in the Q'ty column shows that 1 set of PISTON ASSY is composed of 1 PISTON and 1 SHOE.

(3) 部品リストの「SUPP. CODE」欄に表示される記号は、次の意味を表しています。

(3) Marks shown in the SUPP. CODE column of the "Parts List" have the following meanings.

SUPP. CODE	<意味> Meanings
S	シールキットを構成する部品を示す。 Composing parts of SEAL KIT.
R	リペアキットを構成する部品を示す。 Composing parts of REPAIR KIT.
X	単品供給不可部品を示す。 None-supply parts.
E	スプリングキットを構成する部品を示す。 Composing parts of SPRING KIT.
C	現地加工、予圧調整が必要な部品を示す。 これは 一般的に非売品扱いとなりますので弊社技術サービス部とご相談ください。 It shows the parts which need on-site processing or pre-pressure adjustment. If absolutely necessary, please contact KATO Technical Service Department.

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629-62200001 ····· VALVE-INLINE CHECK

629-62900003 ····· VALVE-DOUBLE CHECK

629-66700012 ····· VALVE-PILOT CHECK

629-71700002 ····· VALVE-PILOT

629-79300003 ····· VALVE-CONTROL

629-79400007 ····· VALVE-CONTROL

629-79500006 ····· VALVE-CONTROL

629-80900001 ····· VALVE-SHUTTLE

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629-81600001 ····· VALVE-INLINE CHECK

629-81900001 ····· VALVE-THROTTLE CHECK

629-83000001 ····· VALVE-INLINE CHECK

629-83100001 ····· VALVE-INLINE CHECK

629-84200011 ····· VALVE-CHECK BLOCK

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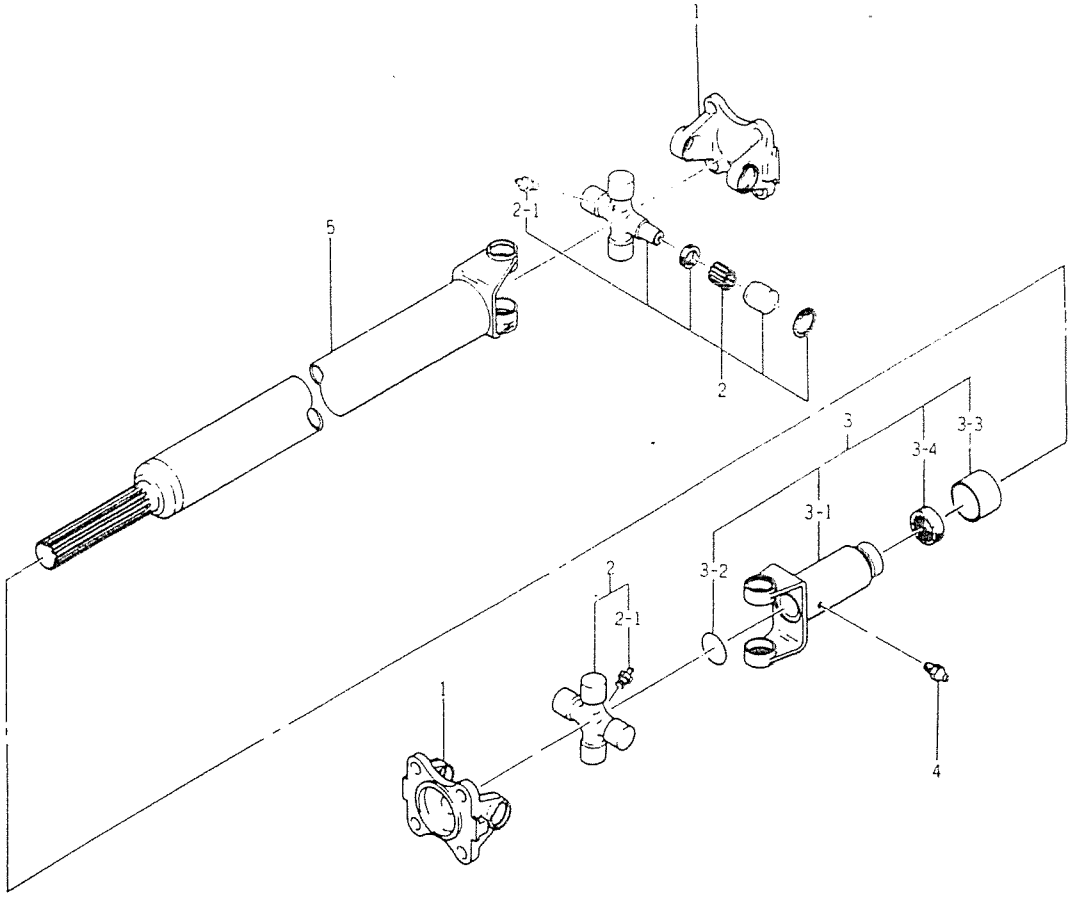
SHAFT-PROPELLER



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE	NOTE
1	109-11401001	YOKE-FLANGE	2		
2	109-10606011	SPIDER ASSY	2		
- 1	109-10711001	NIPPLE-GREASE	1		
3	109-14200101	SLEEVE YOKE ASSY	1		
- 1	109-11402001	YOKE-SLEEVE	1		
- 2	109-14202101	PLUG	1		
- 3	109-14203101	COVER-DUST	1		
- 4	109-14204101	RING-FELT	1		
4	001-60101001	NIPPLE-GREASE	1		
5	109-10603001	SHAFT ASSY	1		

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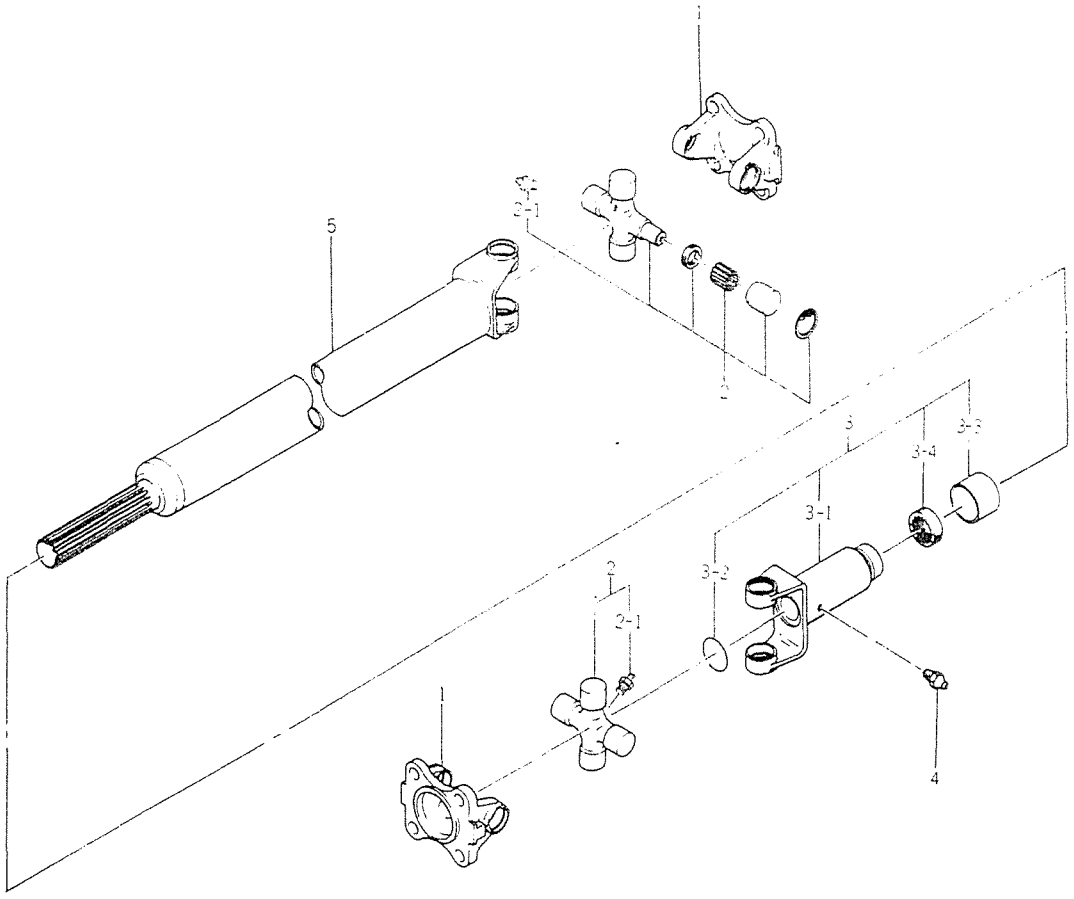
109-19700001

SHAFT-PROPELLER



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE	NOTE
1	109-11401001	YOKE-FLANGE	2		
2	109-10606011	SPIDER ASSY	2		
- 1	109-10711001	NIPPLE-GREASE	1		
3	109-14200101	SLEEVE YOKE ASSY	1		
- 1	109-11402001	YOKE-SLEEVE	1		
- 2	109-14202101	PLUG	1		
- 3	109-14203101	COVER-DUST	1		
- 4	109-14204101	RING-FELT	1		
4	001-60101001	NIPPLE-GREASE	1		
5	109-19705001	SHAFT ASSY	1		

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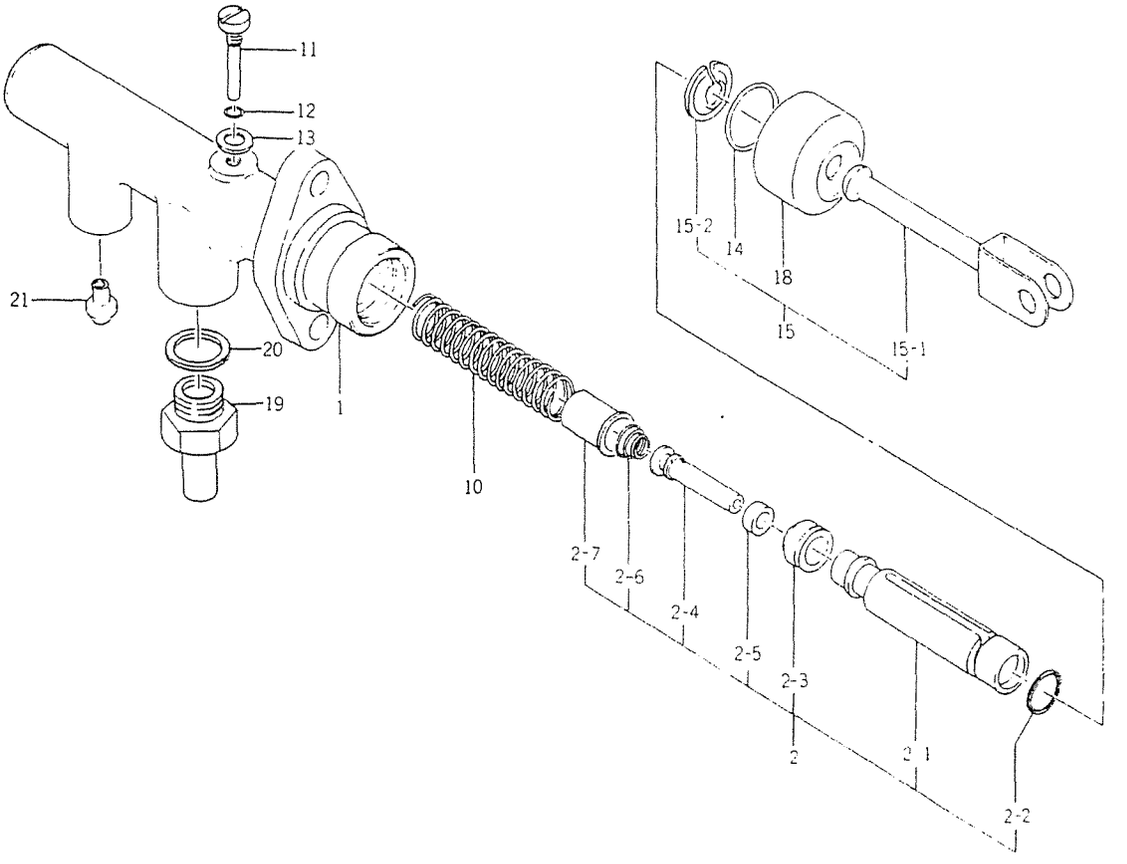
309-43700001

CYLINDER-MASTER



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
	309-43790001	REPAIR KIT	1			
1	309-41001011	BODY-CYLINDER	1			
2	309-43700101	PISTON ASSY	1	R		
- 1	309-41205001	PISTON	1	R		
- 2	309-43704001	O-RING	1	R		
- 3	309-41023013	P-CUP	1	R		
- 4	309-41007001	ROD-VALVE	1	R		
- 5	309-41008013	CUP-VALVE	1	R		
- 6	309-41009001	SPRING-VALVE	1	R		
- 7	309-41010001	THIMBLE	1	R		
10	309-41011001	SPRING	1	R		
11	309-41015001	PIN-GUIDE	1			
12	309-41017013	GASKET	1	R		
13	309-41016001	GASKET	1	R		
14	309-41003001	WIRE-STOP	1	R		
15	309-43700201	PUSH ROD ASSY	1			
- 1	309-41022001	ROD-PUSH	1		X	
- 2	309-41004001	PLATE-STOP	1		X	
18	309-41202001	BOOT	1	R		
19	309-43719001	CONNECTOR	1			
20	309-43720001	GASKET	1			
21	309-41018001	SEAT-PIPE	1		X	

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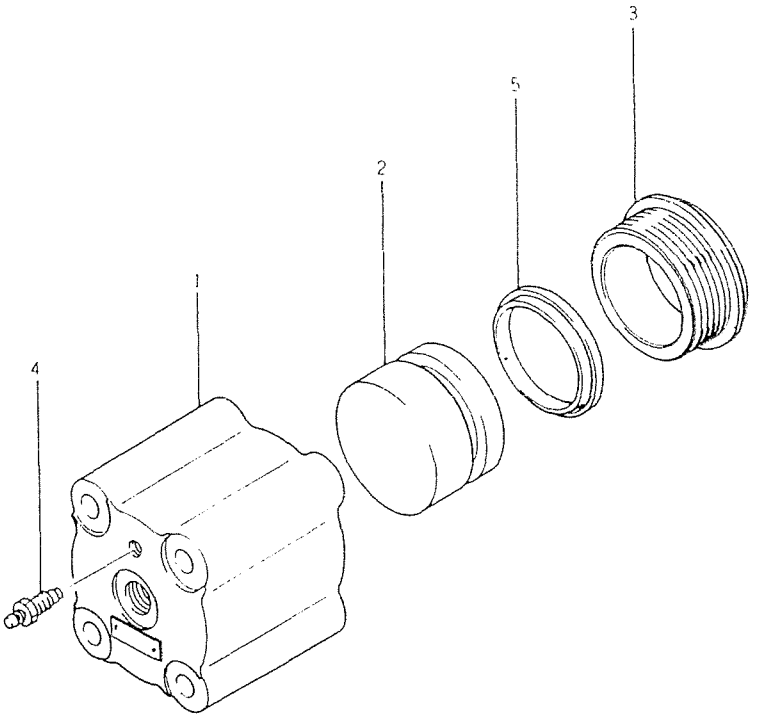
309-63200002

CYLINDER-POWER



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	309-63201002	CYLINDER	1			
2	309-63202002	PISTON	1			
3	309-63203002	STOPPER	1			
4	629-56157001	SCREW-BLEEDER	1			
5	309-63205001	U-PACKING	1			

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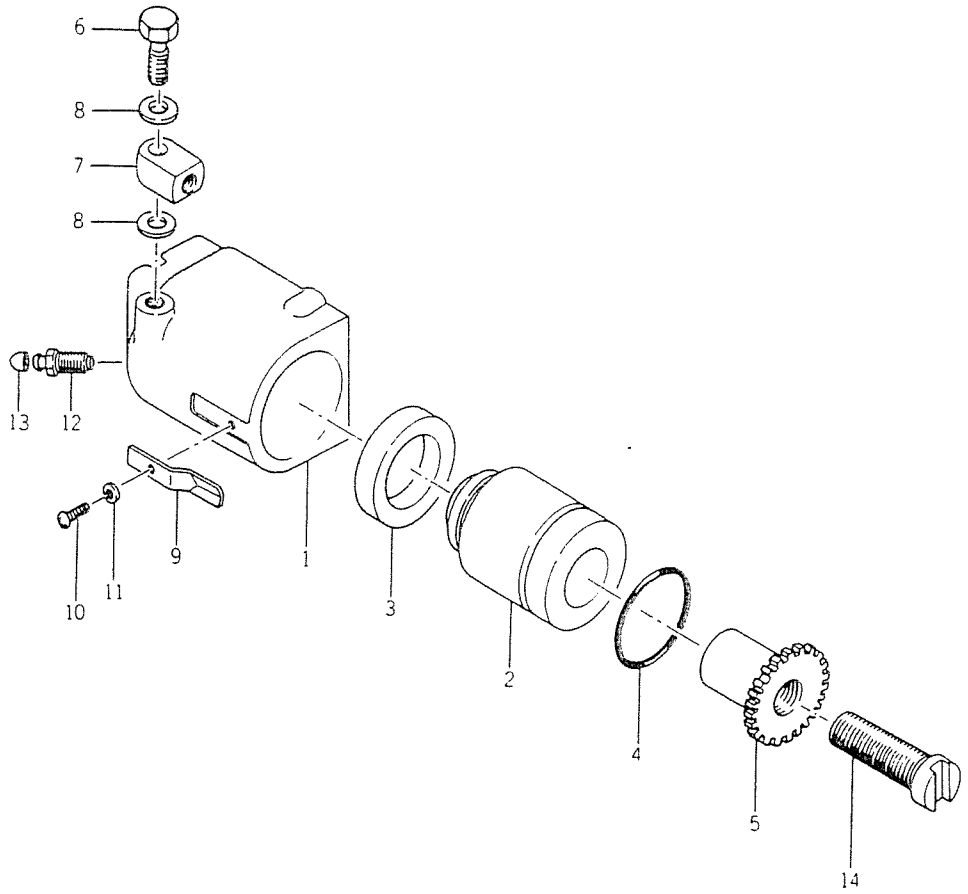
309-64700001

CYLINDER-POWER(CLUTCH)



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
	309-50790001	REPAIR KIT	1			
1	309-64701001	BODY-CYLINDER	1			
2	309-50702011	PISTON	1			
3	309-50703001	CUP-PISTON	1	R		
4	309-50704001	O-RING	1	R		
5	309-50705011	ADJUSTER	1			
6	309-50113001	BOLT-UNION	1			
7	309-50112001	UNION(A)	1			
8	309-50114001	GASKET	2	R		
9	309-50109001	SPRING-LOCK	1			
10	309-50110001	SCREW	1			
11	309-50111001	WASHER-SPRING	1			
12	309-50107001	SCREW-BLEEDER	1			
13	309-50108001	CAP-BLEEDER	1	R		
14	309-50714011	SCREW-ADJUSTER	1			

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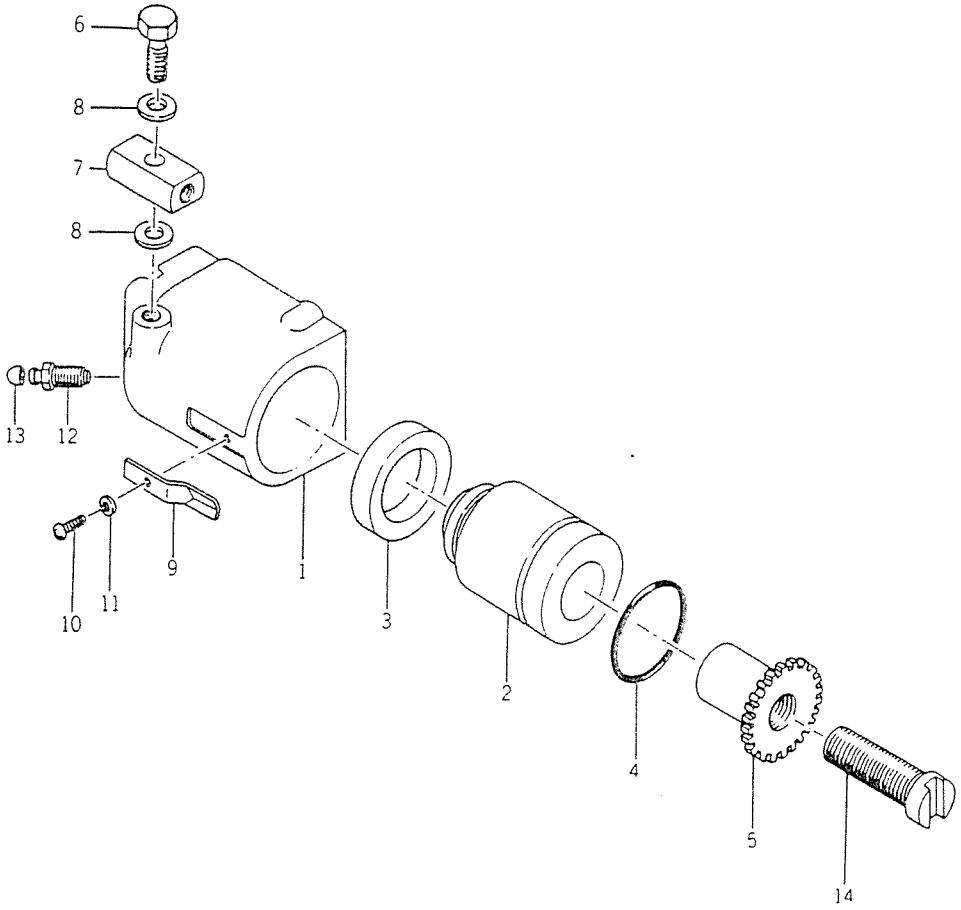
309-64800001

CYLINDER-POWER(CLUTCH)



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE	NOTE
	309-50790001	REPAIR KIT	1		
1	309-64701001	BODY-CYLINDER	1		
2	309-50702011	PISTON	1		
3	309-50703001	CUP-PISTON	1	R	
4	309-50704001	O-RING	1	R	
5	309-50705011	ADJUSTER	1		
6	309-50113001	BOLT-UNION	1		
7	309-50807001	UNION(B)	1		
8	309-50114001	GASKET	2	R	
9	309-50109001	SPRING-LOCK	1		
10	309-50110001	SCREW	1		
11	309-50111001	WASHER-SPRING	1		
12	309-50107001	SCREW-BLEEDER	1		
13	309-50108001	CAP-BLEEDER	1	R	
14	309-50714011	SCREW-ADJUSTER	1		

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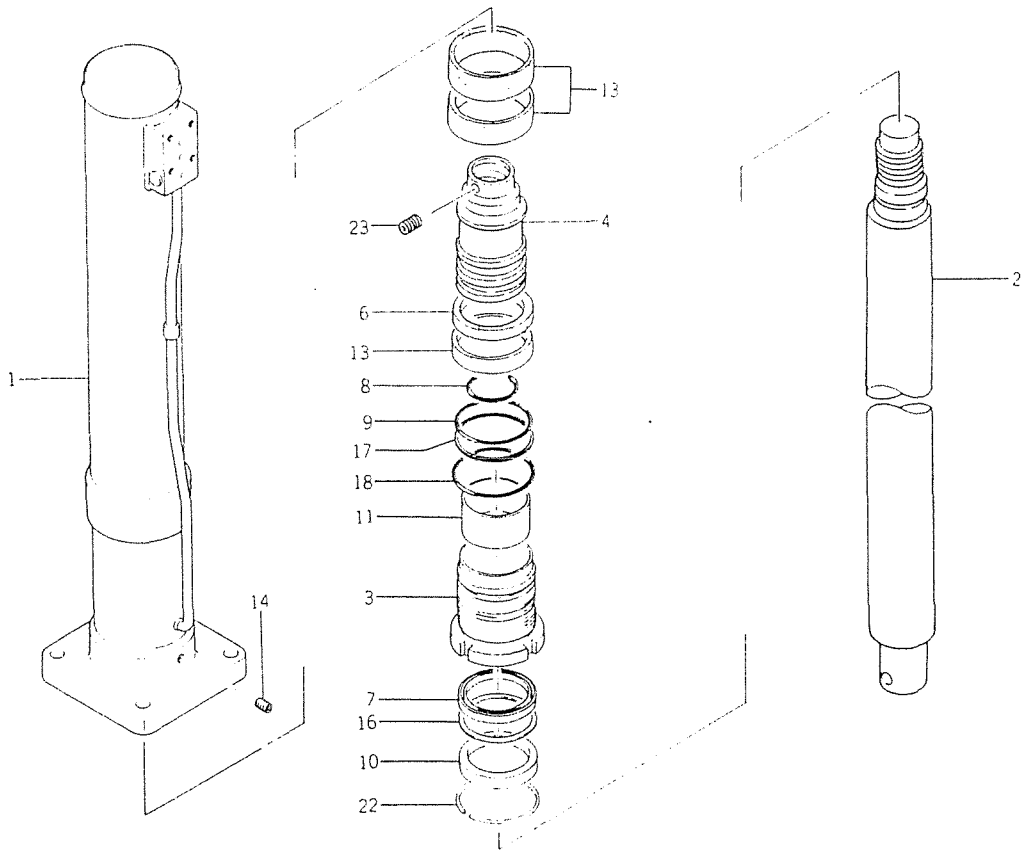
309-66000003

CYLINDER-FRONT JACK



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE	NOTE
	329-51690001	SEAL KIT	1		
1	309-66001003	CYLINDER	1		
2	309-66002003	ROD	1		
3	309-66003020	COVER-ROD	1		
4	309-66004020	PISTON	1		
6	329-92006001	PACKING	1	S	
7	309-56423001	PACKING-ROD	1	S	
8	009-46002055	O-RING	1	S	
9	009-46002095	O-RING	1	S	
10	309-85209000	SEAL-DUST	1	S	
11	009-25080040	BEARING-DRY	1		
13	309-32714005	RING-WEAR	3	S	
14	309-58916003	SCREW-SET	1		
16	309-56434001	RING-BACK UP	1	S	
17	309-66021020	RING-BACK UP	1	S	
18	309-58920003	O-RING	1	S	
22	009-39809500	CIR CLIP	1		
23	309-66220001	SCREW-SET	1		

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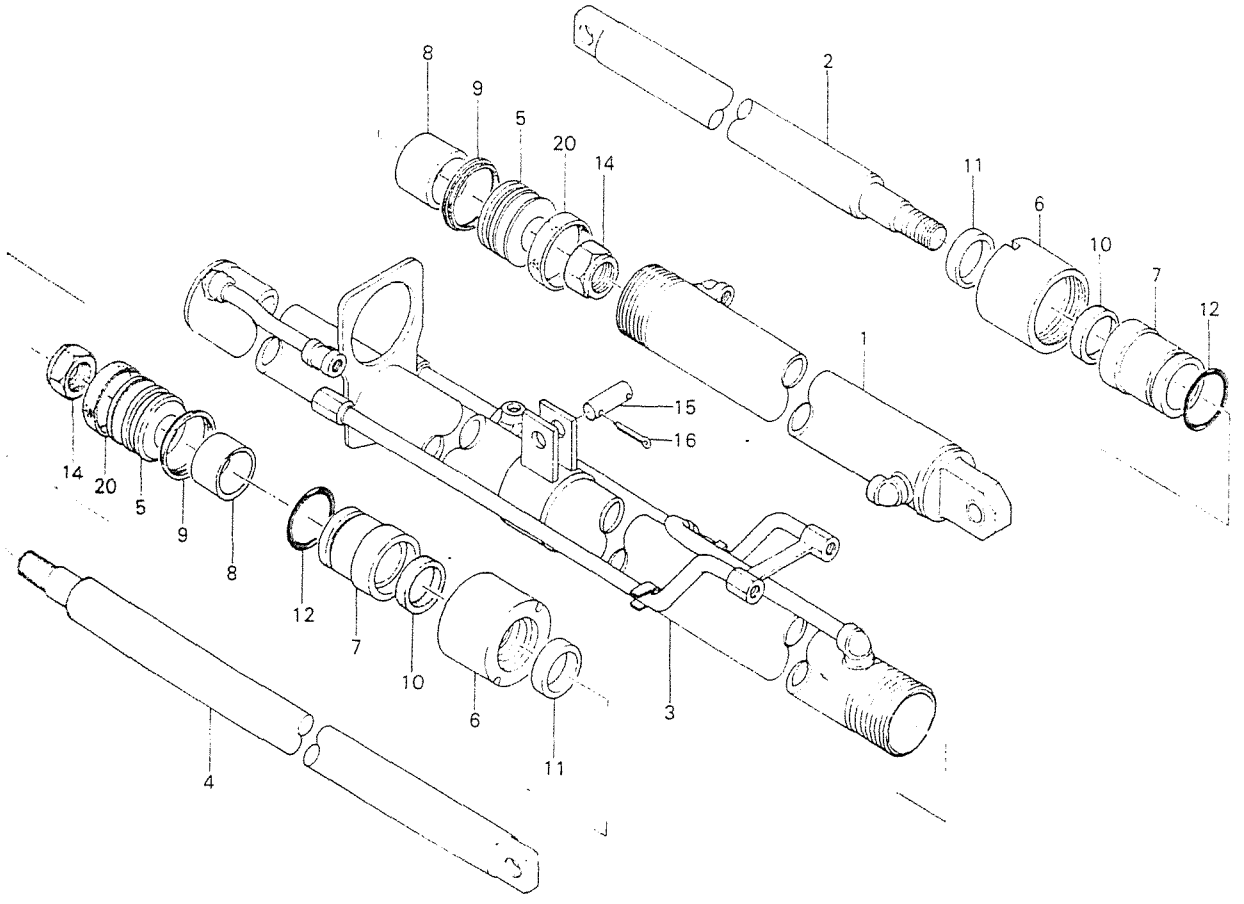
309-69300002

CYLINDER-HORIZONTAL



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
	309-69390002	SEAL KIT	1			
1	309-69301001	CYLINDER(A)	1			
2	309-69302001	ROD(A)	1			
3	309-69303002	CYLINDER(B)	1			
4	309-69304001	ROD(B)	1			
5	309-93903013	PISTON	2			
6	309-93804001	CAP-CYLINDER	2			
7	309-93805001	BUSHING-GUIDE	2			
8	309-93806001	PIECE-DISTANCE	2			
9	309-66908001	PACKING-PISTON	2	S		
10	309-57209001	PACKING-ROD	2	S		
11	309-66912001	SEAL-DUST	2	S		
12	009-46002055	O-RING	2	S		
14	309-67107001	U-NUT	2			
15	309-69315001	PIN	1			
16	309-67018001	PIN-SPLIT	2			
20	309-93910013	RING-WEAR	1	S		

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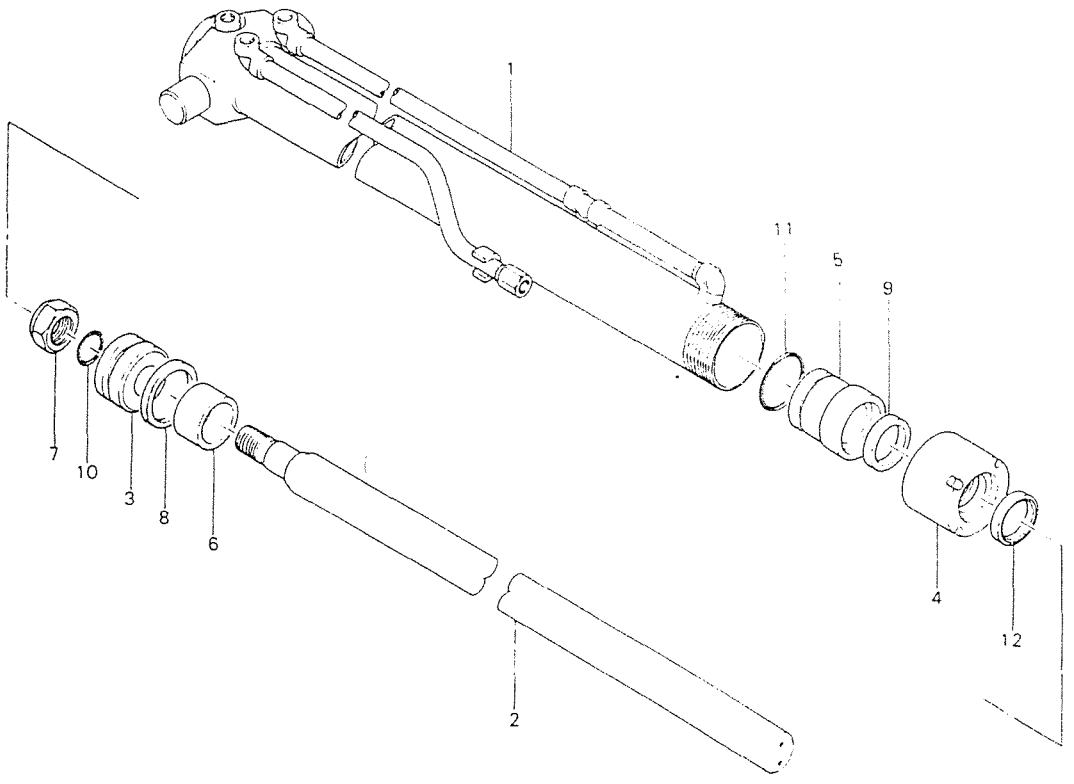
309-69700001

CYLINDER-HORIZONTAL



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE	NOTE
	309-66990001	SEAL KIT	1		
1	309-69701001	CYLINDER	1		
2	309-69702001	ROD	1		
3	309-66903001	PISTON	1		
4	309-93804001	CAP-CYLINDER	1		
5	309-93805001	BUSHING-GUIDE	1		
6	309-66906001	PIECE-DISTANCE	1		
7	309-67107001	U-NUT	1		
8	309-66908001	PACKING-PISTON	1	S	
9	309-57209001	PACKING-ROD	1	S	
10	001-36120260	O-RING	1	S	
11	009-46002055	O-RING	1	S	
12	309-66912001	SEAL-DUST	1	S	

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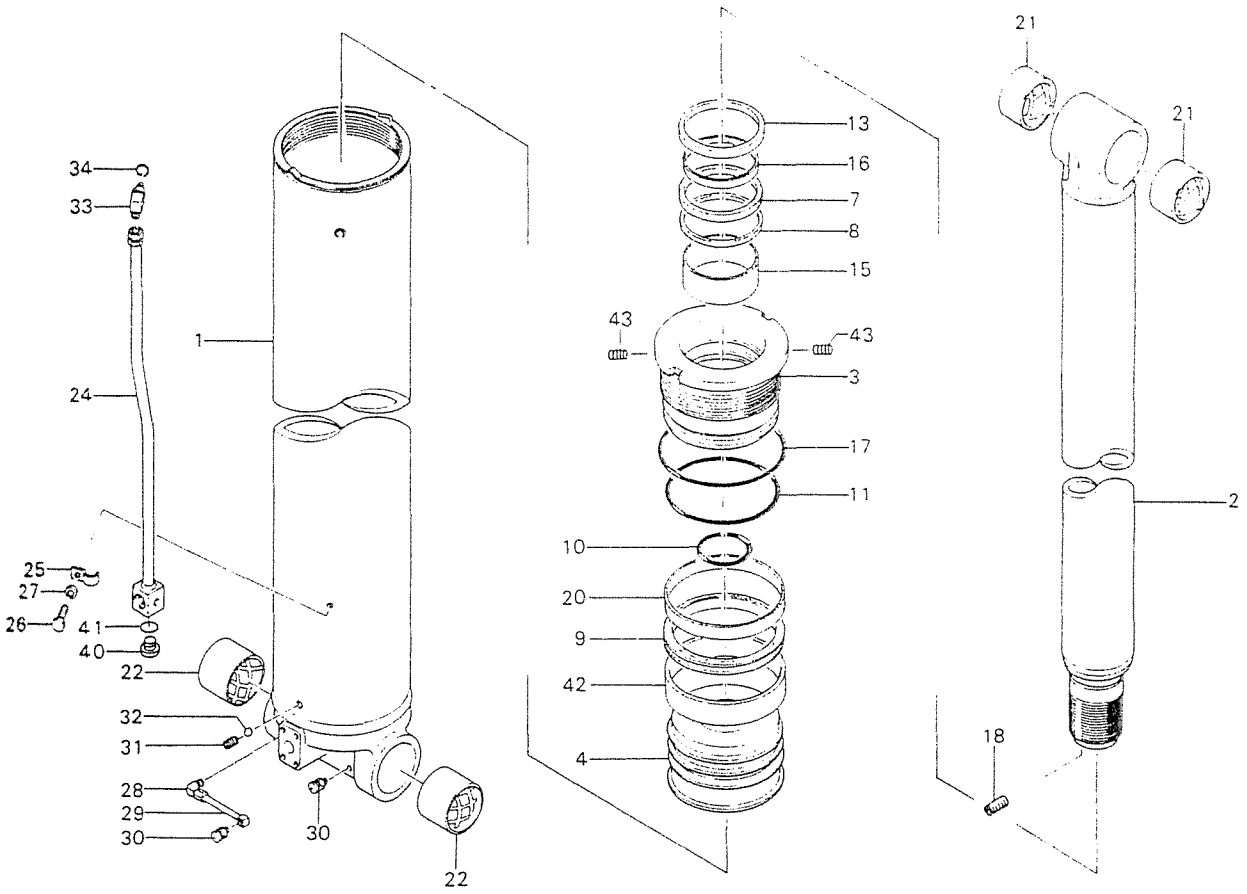
309-82100006

CYLINDER-DERRICK



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
	309-99590005	SEAL KIT	1			
1	309-82101005	CYLINDER	1			
2	309-82102005	ROD	1			
3	329-31803002	COVER-ROD	1			
4	329-31404001	PISTON	1			
5	309-31505010	NUT	1			
7	309-52407001	PACKING	1	S		
8	329-31408001	RING-BUFFER	1	S		
9	329-31409001	PACKING	1	S		
10	009-46002150	O-RING	1	S		
11	001-36122850	O-RING	1	S		
13	309-52413001	SEAL-DUST	1	S		
15	329-31415000	BEARING-DRY	1			
16	309-99513005	RING-SLIDE	1			
17	309-82117001	O-RING	1	S		
18	309-80015002	SCREW-SET	1			
20	309-31529010	RING-WEAR	1	S		
21	329-31421000	BUSHING	2			
22	329-32004001	BUSHING	2			
24	309-82124005	PIPE	1			
25	309-81732001	CLAMP-PIPE	2			
26	001-10308016	BOLT	2			
27	001-12108002	WASHER-SPRING	2			

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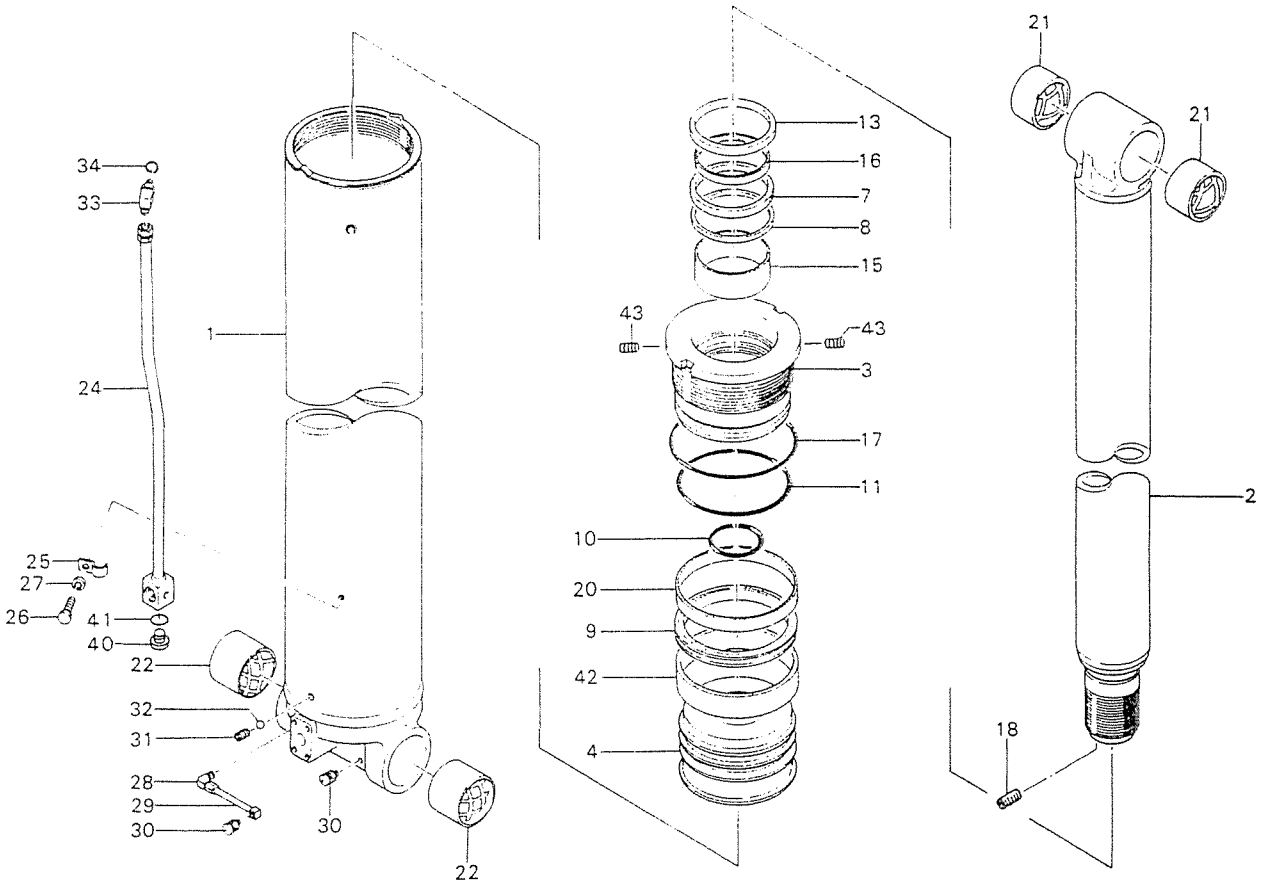
309-82100006

CYLINDER-DERRICK



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
28	309-81327000	ELBOW	1			
29	329-32006001	PIPE	1			
30	001-60101002	NIPPLE-GREASE	2			
31	309-52320001	SCREW-SET	1			
32	309-72330001	BALL-STEEL	1			
33	309-81729001	ELBOW	1			
34	001-36120180	O-RING	1	S		
40	309-90523004	PLUG	1			
41	001-36120110	O-RING	1			
42	309-82311002	RING-WEAR	1			
43	309-46123001	SCREW-SET	2			

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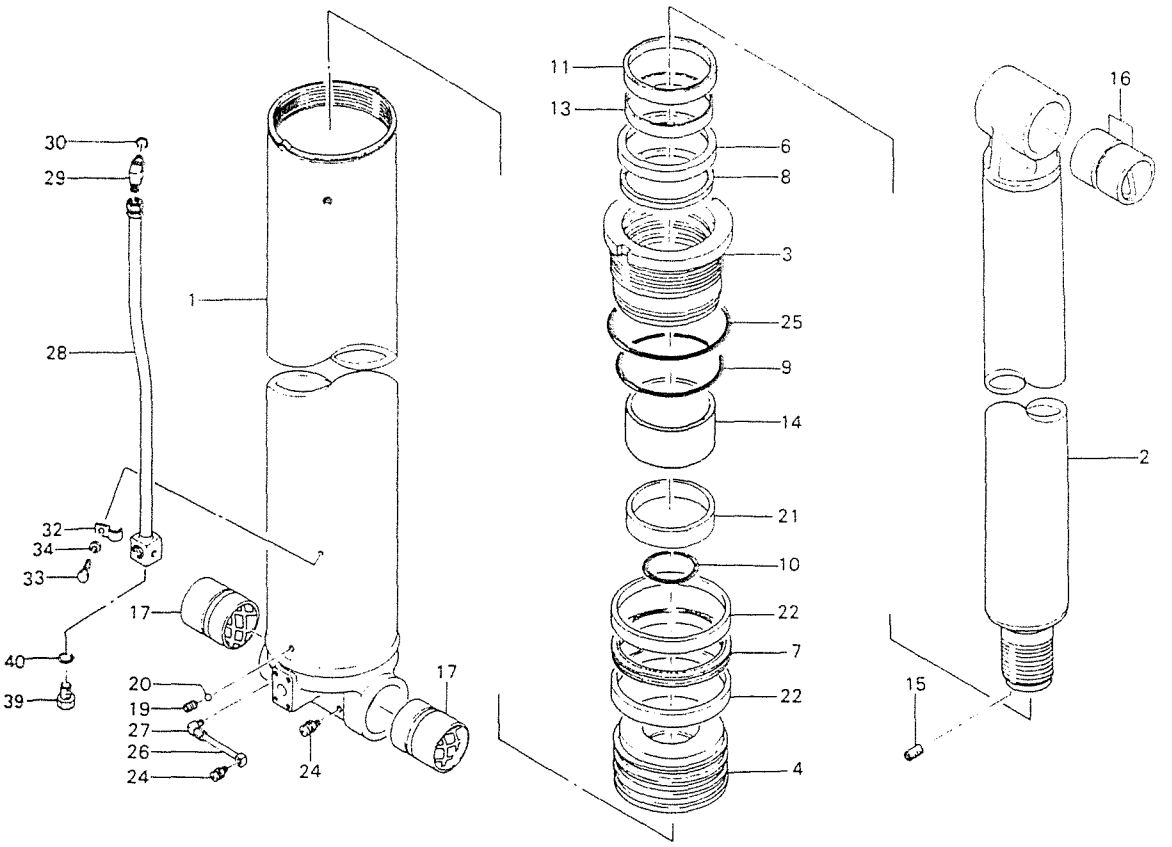
309-82200003

CYLINDER-DERRICK



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
	329-32090001	SEAL KIT	1			
1	309-82201003	CYLINDER	1			
2	309-82202003	ROD	1			
3	329-32103000	COVER-ROD	1			
4	329-30304002	PISTON	1			
6	309-30906001	PACKING	1	S		
7	329-32107000	PACKING	1	S		
8	329-31008003	RING-BUFFER	1	S		
9	009-46002250	O-RING	1	S		
10	009-46002140	O-RING	1	S		
11	309-30911001	SEAL-DUST	1	S		
13	329-31013003	RING-SLIDE	1			
14	309-81911002	BEARING-DRY	1			
15	309-80015002	SCREW-SET	1			
16	329-32116000	BUSHING	2			
17	329-32004001	BUSHING	2			
19	309-52320001	SCREW-SET	1			
20	309-72330001	BALL-STEEL	1			
21	309-82221002	PIPE-DISTANCE	1			
22	309-30923011	RING-WEAR	2	S		
24	001-60101002	NIPPLE-GREASE	2			
25	009-46401052	O-RING	1	S		
26	329-32006001	PIPE	1			
27	309-81327000	ELBOW	1			

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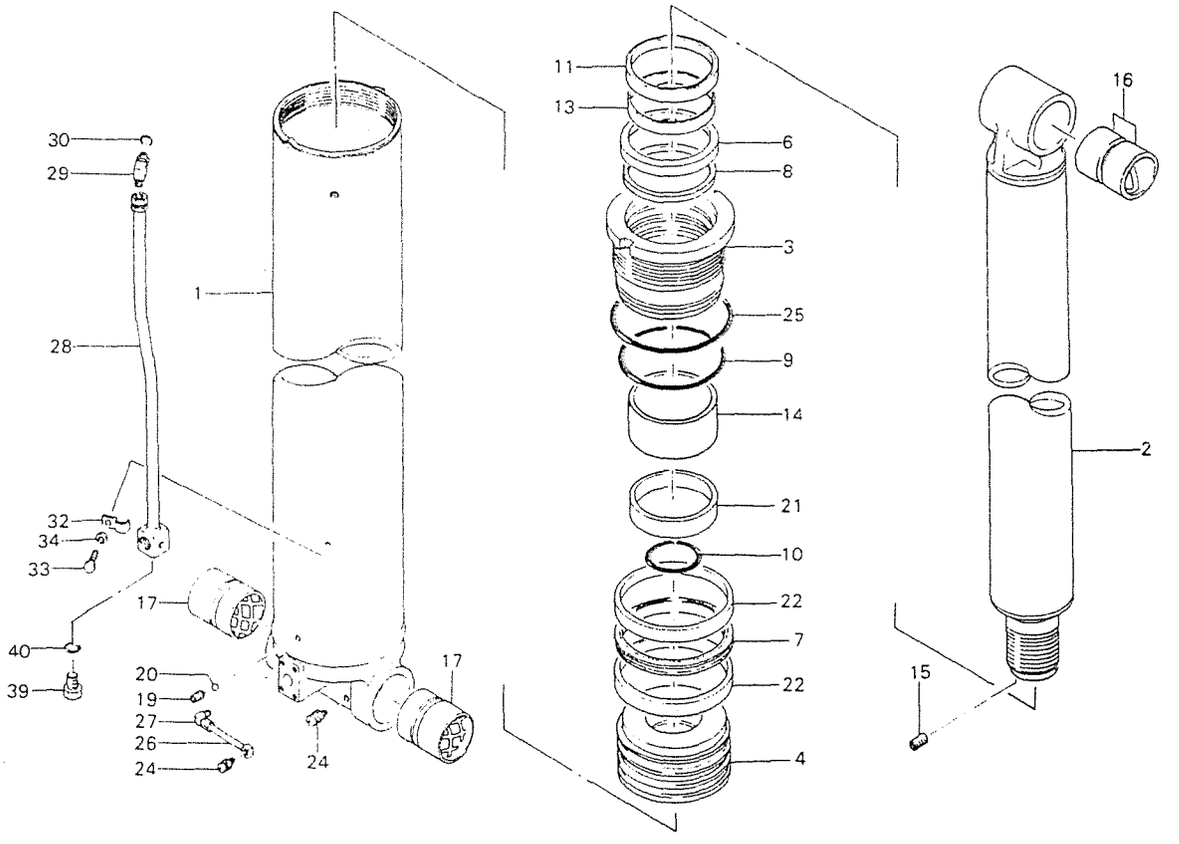
309-82200003

CYLINDER-DERRICK



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
28	309-82228001	PIPE	1			
29	309-81729001	ELBOW	1			
30	001-36120180	O-RING	1	S		
32	309-81732001	CLAMP-PIPE	2			
33	001-10308016	BOLT	2			
34	001-12108002	WASHER-SPRING	2			
39	309-90523004	PLUG	1			
40	001-36120110	O-RING	1			

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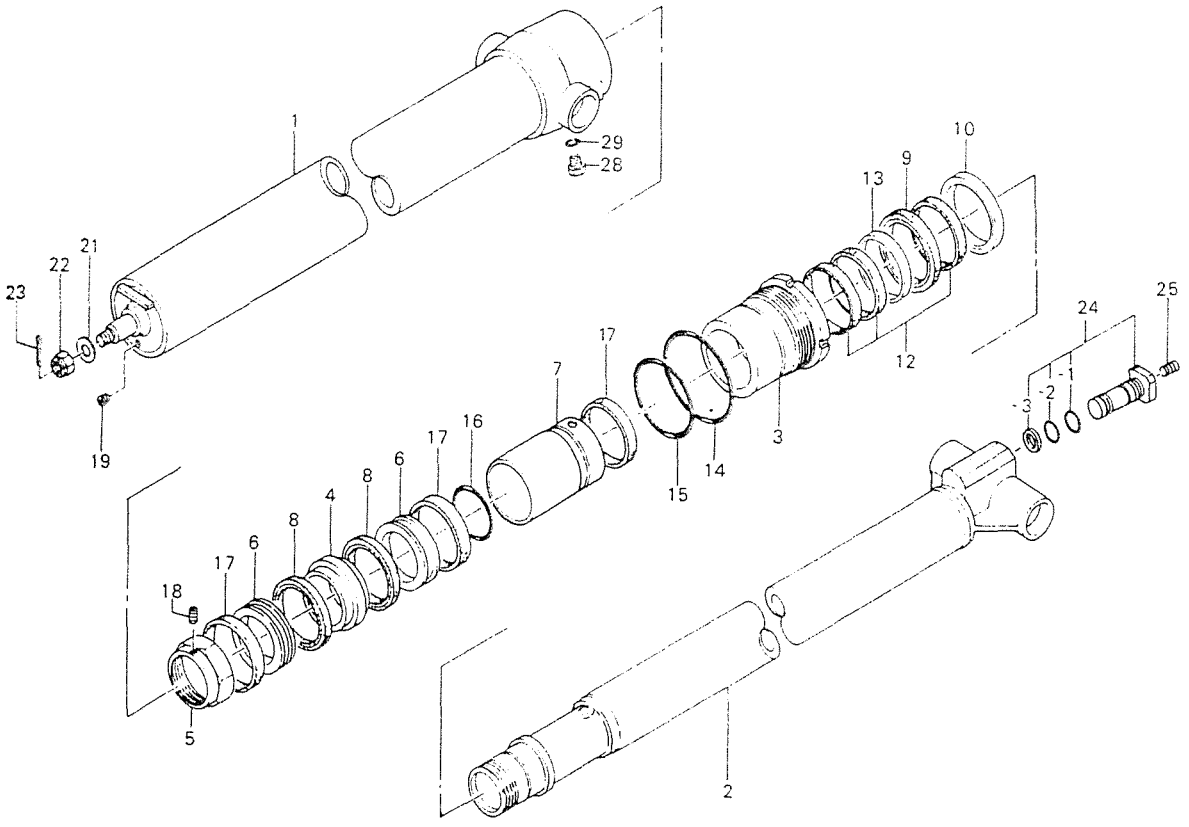
309-86600004

CYLINDER-TELESCOPIC



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
	309-85990001	SEAL KIT	1			
1	309-86601004	CYLINDER	1			
2	309-86602004	ROD	1			
3	309-85903003	COVER-ROD	1			
4	309-85904001	PISTON	1			
5	309-85905001	NUT	1			
6	309-85906001	STOPPER-PACKING	2			
7	309-85907003	PIPE-DISTANCE	1			
8	309-31607001	PACKING	2	S		
9	309-85307001	PACKING	1	S		
10	309-55814001	SEAL-DUST	1	S		
12	309-99812000	RING-WEAR	3			
13	309-85308001	RING-SEAL	1	S		
14	009-46401037	O-RING	1	S		
15	009-46002145	O-RING	1	S		
16	009-46002100	O-RING	1	S		
17	309-54514002	RING-WEAR	3	S		
18	001-10810102	SCREW-SET	1			
19	309-86719003	PLUG	1			
21	309-85125001	WASHER	1			
22	309-84430001	NUT-CASTLE	1			
23	309-85525003	PIN-SPLIT	1			
24	639-46800004	HOLDING VALVE ASSY	1			
- 1	019-36120390	O-RING	1			
- 2	019-36120320	O-RING	1			
- 3	001-37103202	RING-BACK UP	1			

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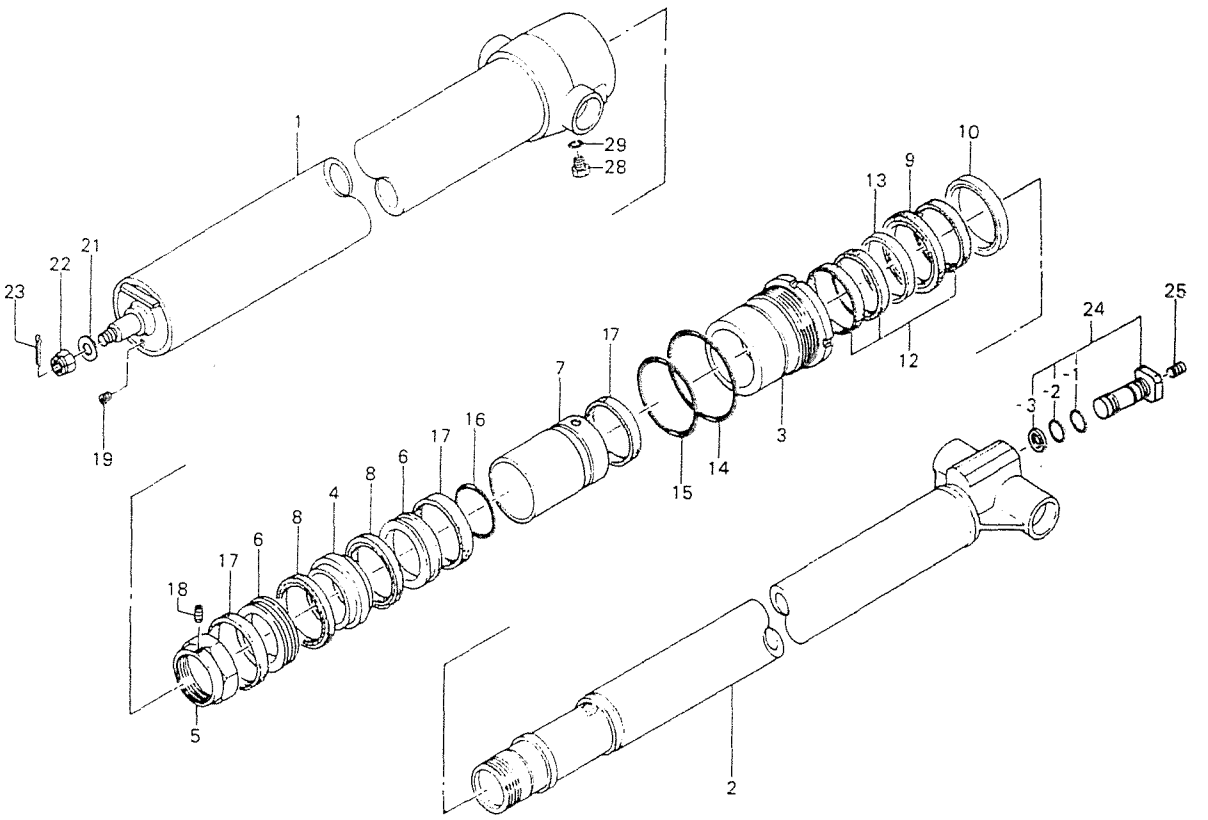
309-86600004

CYLINDER-TELESCOPIC



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
25	309-32339012	SCREW-SET	1			
28	001-65306000	PLUG	1			
29	001-36120140	O-RING	1			

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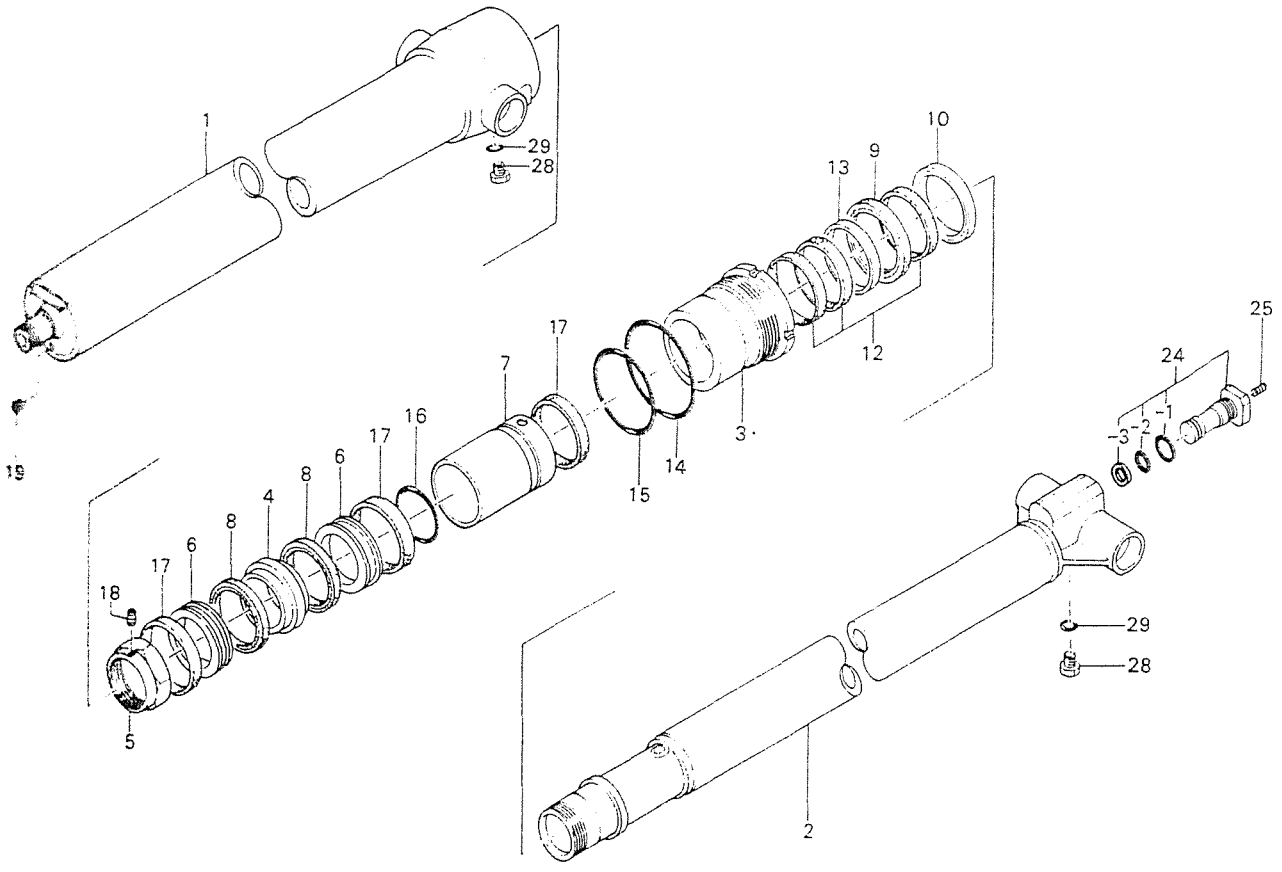
309-86700011

CYLINDER-TELESCOPIC



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
	309-85990001	SEAL KIT	1			
1	309-86701011	CYLINDER	1			
2	309-86702007	ROD	1			
3	309-99603001	COVER-ROD	1			
4	309-85904001	PISTON	1			
5	309-85905001	NUT	1			
6	309-85906001	STOPPER-PACKING	2			
7	309-85907003	PIPE-DISTANCE	1			
8	309-31607001	PACKING	2	S		
9	309-85307001	PACKING	1	S		
10	309-55814001	SEAL-DUST	1	S		
12	309-99812000	RING-WEAR	3			
13	309-85308001	RING-SEAL	1	S		
14	009-46401037	O-RING	1	S		
15	009-46002145	O-RING	1	S		
16	009-46002100	O-RING	1	S		
17	309-54514002	RING-WEAR	3	S		
18	001-10810102	SCREW-SET	1			
19	309-86719003	PLUG	1			
24	639-46800004	HOLDING VALVE ASSY	1			
- 1	019-36120390	O-RING	1			
- 2	019-36120320	O-RING	1			
- 3	001-37103202	RING-BACK UP	1			
25	309-32339012	SCREW-SET	1			

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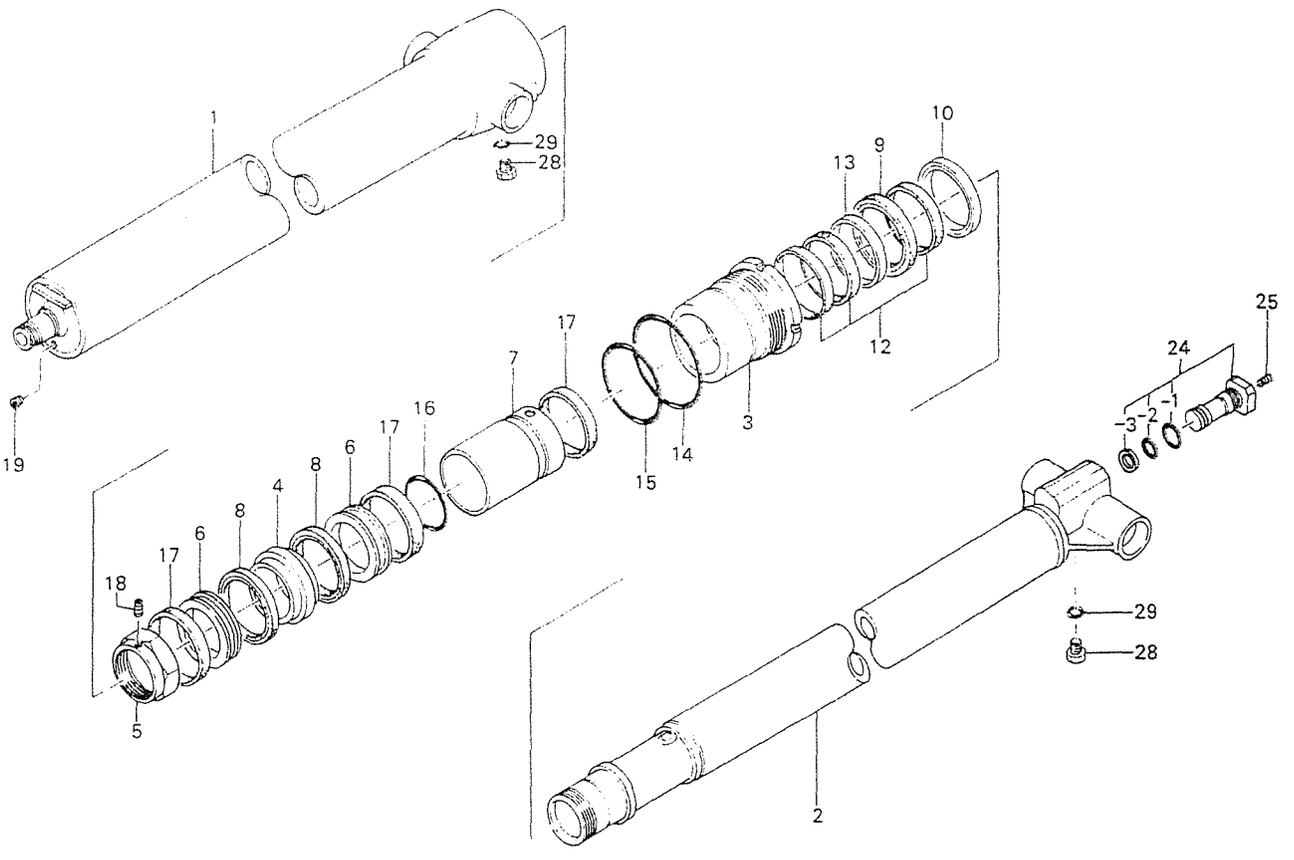
309-86700011

CYLINDER-TELESCOPIC



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
28	001-65306000	PLUG	1			
29	001-36120140	O-RING	1			

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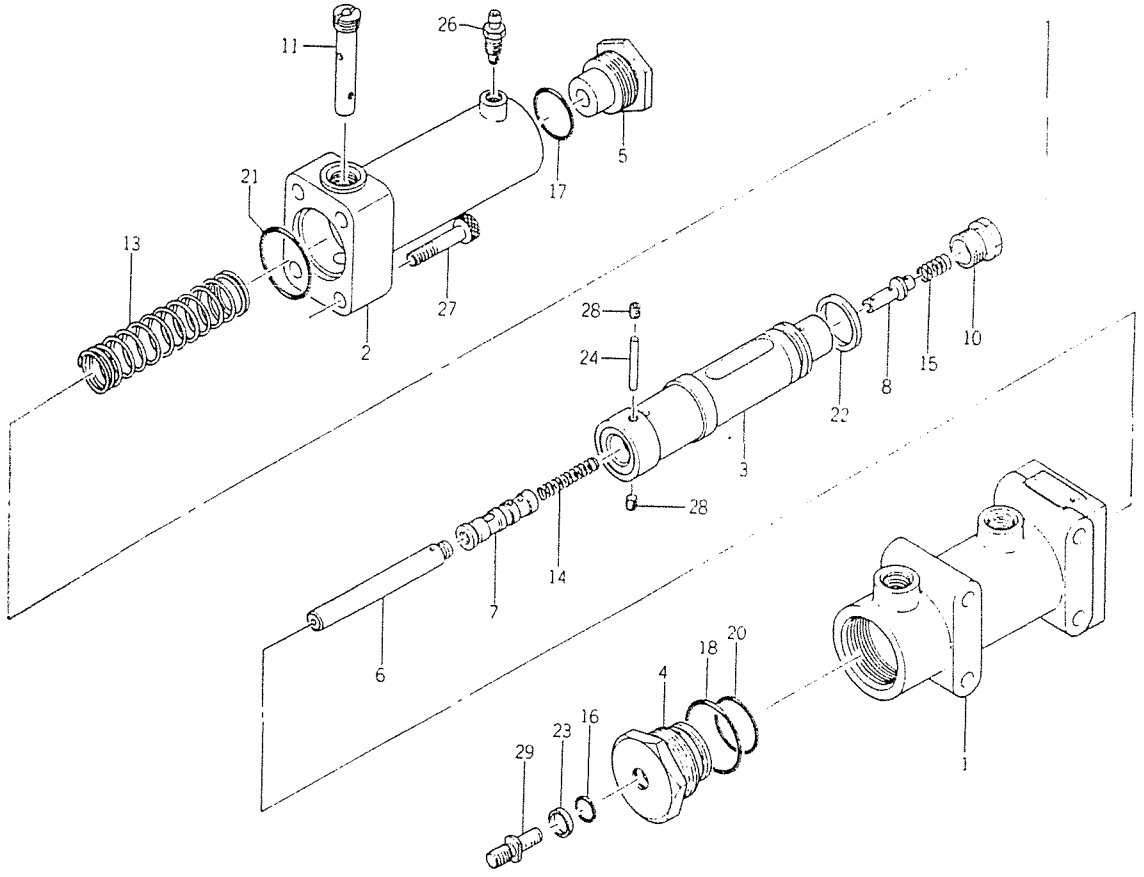
309-88500021

CYLINDER-SERVO MASTER



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
1	309-88501011	BODY(A)	1			
2	309-88502011	BODY(B)	1			
3	309-88503001	PISTON-MAIN	1			
4	309-88504021	PLUG-FRONT	1			
5	309-88505011	PLUG-REAR	1			
6	309-88506021	ROD-PUSH	1			
7	309-88507001	SPOOL	1			
8	309-88508001	PLUNGER	1			
10	309-88510001	PLUG	1			
11	309-88511001	STOPPER	1			
13	309-88513001	SPRING	1			
14	309-88514001	SPRING	1			
15	639-49122001	SPRING	1			
16	001-36110180	O-RING	1			
17	001-36120310	O-RING	1			
18	001-36120380	O-RING	1			
20	009-46001030	O-RING	1			
21	009-46001040	O-RING	1			
22	309-88522001	PACKING	1			
23	309-88523021	SEAL-DUST	1			
24	309-88524011	PIN-SPRING	1			
26	639-49517001	SCREW-BLEEDER	1			
27	001-10510045	BOLT-HEXAGON SOCKET	4			
28	309-88528011	SCREW-SET	2			

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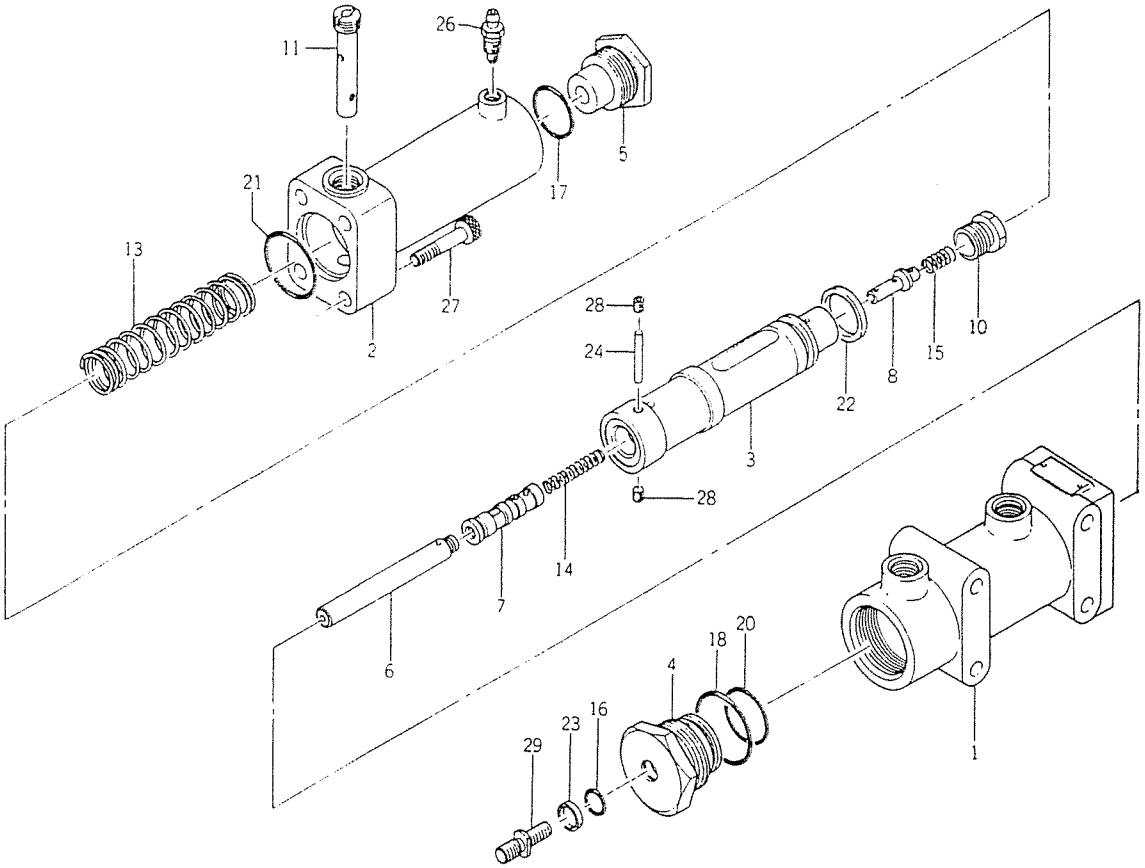
309-88500021

CYLINDER-SERVO MASTER



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
29	309-88529021	SCREW-STOPPER	1			

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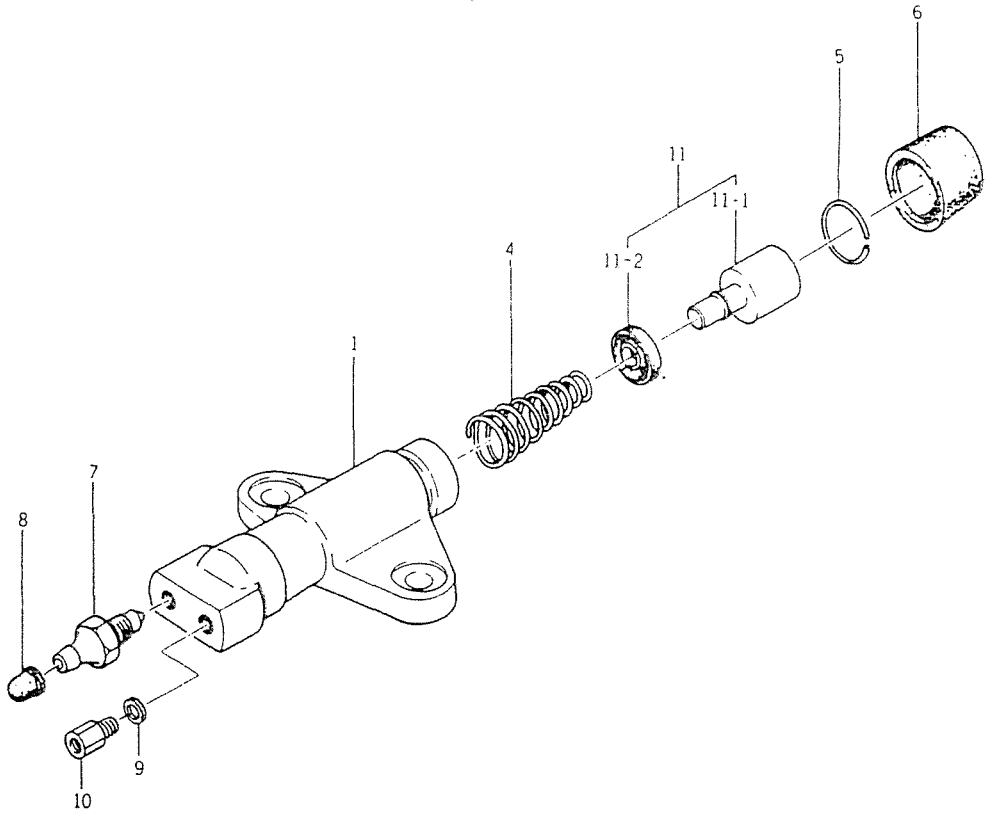
309-88700001

CYLINDER-POWER



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
	309-88790001	REPAIR KIT	1			
1	309-43801001	CYLINDER	1			
4	309-44006011	SPRING	1	R		
5	309-49303001	WIRE-STOP	1	R		
6	309-43806001	BOOT	1	R		
7	309-43807001	VALVE-BLEEDER	1			
8	309-44410001	CAP-RUBBER	1			
9	309-43809001	GASKET	1			
10	309-88710001	ADAPTER	1			
11	309-88700101	PISTON ASSY	1	R		
- 1	309-44004011	PISTON	1	R		
- 2	309-43803001	CUP(R)	1	R		

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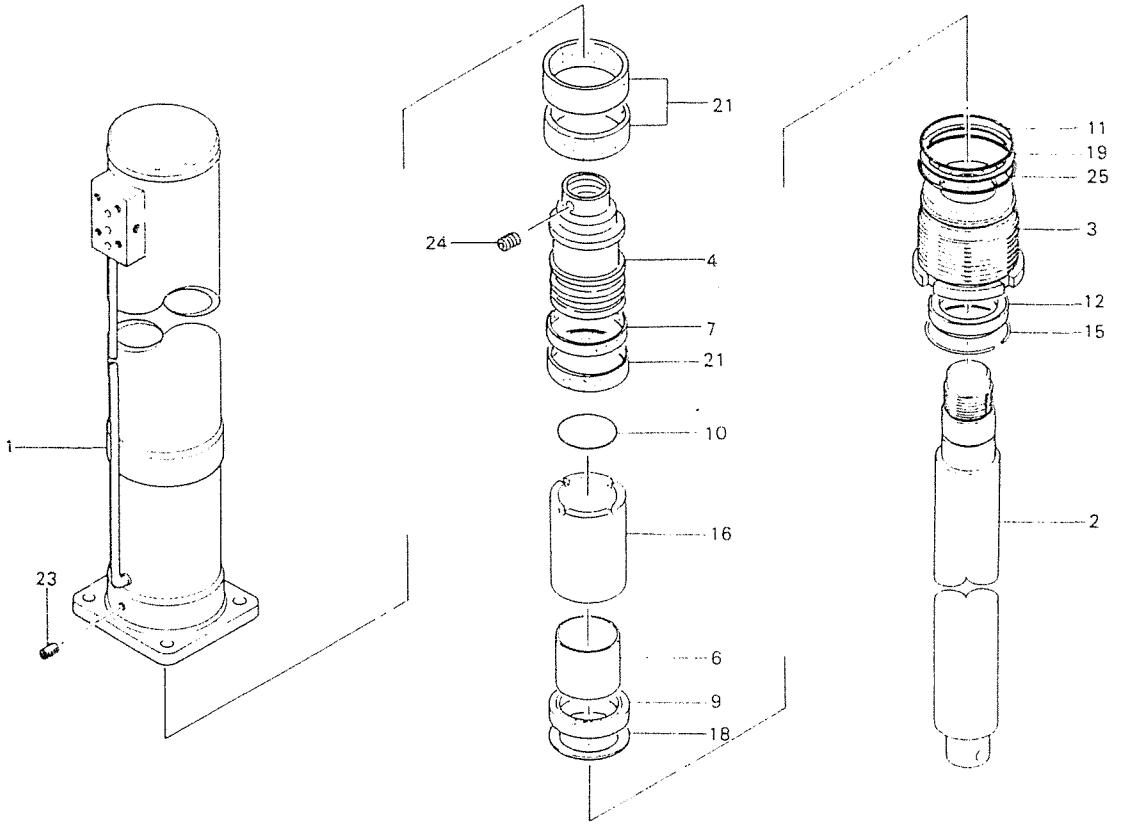
309-90100013

CYLINDER-VERTICAL



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
	329-53690001	SEAL KIT	1			
1	309-90101013	CYLINDER	1			
2	309-90102013	ROD	1			
3	329-53603001	COVER-ROD	1			
4	329-53604001	PISTON	1			
6	309-48006001	BEARING-DRY	1			
7	329-53624001	PACKING	1	S		
9	309-34509001	PACKING-ROD	1	S		
10	009-46002075	O-RING	1	S		
11	009-46002115	O-RING	1	S		
12	309-90411001	SEAL-DUST	1	S		
15	009-39811500	CIR CLIP	1			
16	309-90116001	PIECE-DISTANCE	1			
18	309-56118002	RING-BACK UP	1	S		
19	329-53614001	RING-BACK UP	1	S		
21	309-32614001	RING-WEAR	3	S		
23	309-58916003	SCREW-SET	1			
24	309-66220001	SCREW-SET	1			
25	309-59920021	O-RING	1	S		

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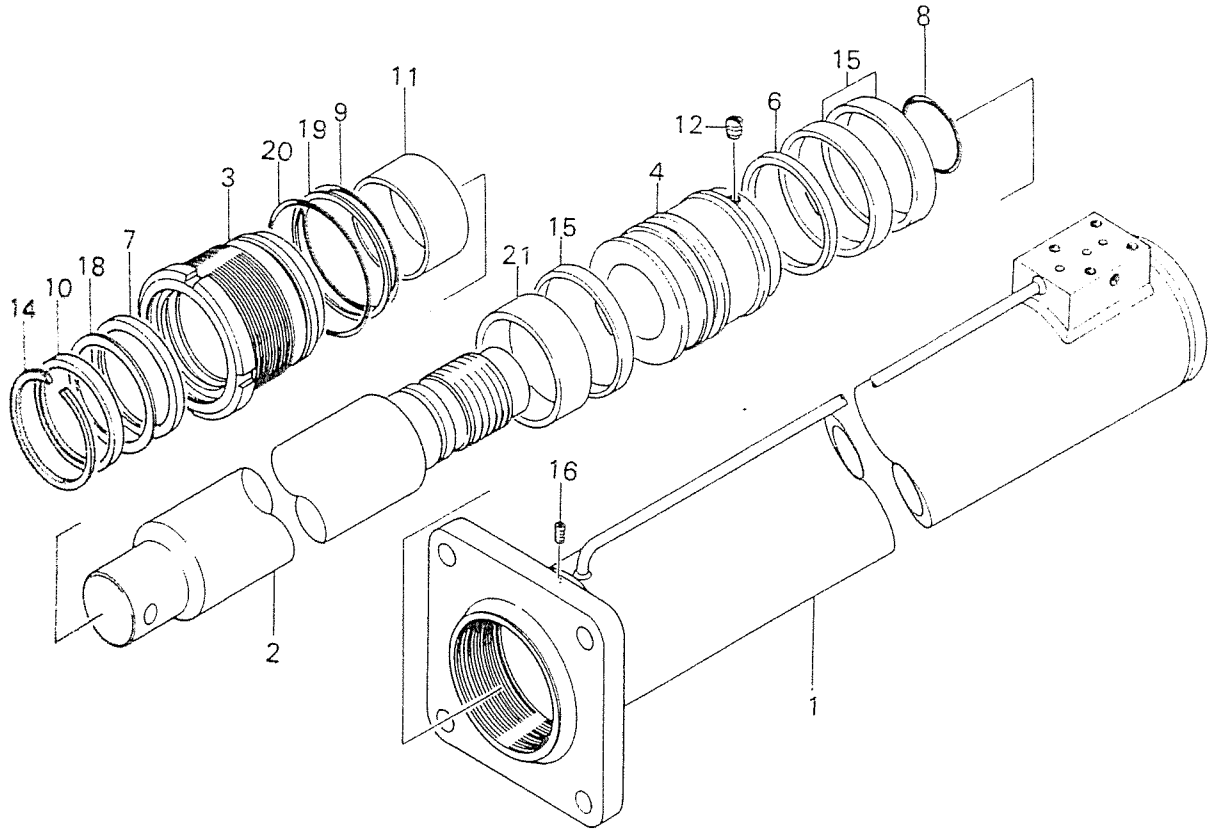
309-90500004

CYLINDER-VERTICAL



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE	NOTE
	329-51690001	SEAL KIT	1		
1	309-90501004	CYLINDER	1		
2	309-90502004	ROD	1		
3	309-66003020	COVER-ROD	1		
4	309-66004020	PISTON	1		
6	329-92006001	PACKING	1	S	
7	309-56423001	PACKING-ROD	1	S	
8	009-46002055	O-RING	1	S	
9	009-46002095	O-RING	1	S	
10	309-85209000	SEAL-DUST	1	S	
11	009-25080040	BEARING-DRY	1		
12	309-66220001	SCREW-SET	1		
14	009-39809500	CIR-CLIP	1		
15	309-32714005	RING-WEAR	3	S	
16	309-58916003	SCREW-SET	1		
18	309-56434001	RING-BACK UP	1	S	
19	309-66021020	RING-BACK UP	1	S	
20	309-58920003	O-RING	1	S	
21	329-51613001	PIPE-DISTANCE	1		

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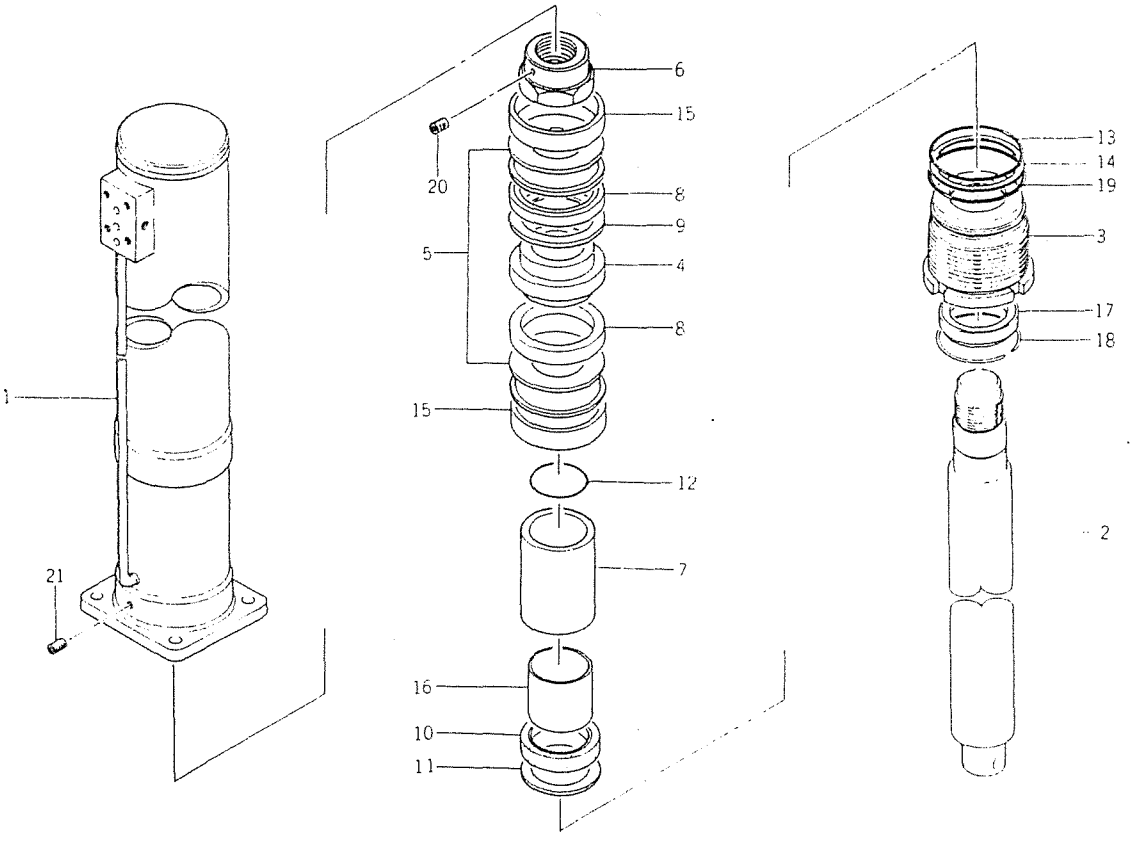
309-91700001

CYLINDER-VERTICAL



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE	NOTE
	309-91790001	SEAL KIT	1		
1	309-91701001	CYLINDER	1		
2	309-91702001	ROD	1		
3	309-91703001	COVER-ROD	1		
4	309-91704001	PISTON	1		
5	309-66320002	STOPPER-PACKING	2		
6	309-91706001	NUT-PISTON	1		
7	309-90007001	PIPE-DISTANCE	1		
8	309-34607021	PACKING	2	S	
9	309-91709001	RING-BACK UP	1	S	
10	309-34609021	PACKING	1	S	
11	309-56219002	RING-BACK UP	1	S	
12	009-46002075	O-RING	1	S	
13	009-46002125	O-RING	1	S	
14	009-47012503	RING-BACK UP	1	S	
15	309-32314011	RING-WEAR	2	S	
16	309-34606001	BEARING-DRY	1		
17	309-72312001	SEAL-DUST	1	S	
18	009-39812700	CIR CLIP	1		
19	309-66325002	O-RING	1	S	
20	001-10808102	SCREW-SET	1		
21	309-58916003	SCREW-SET	1		

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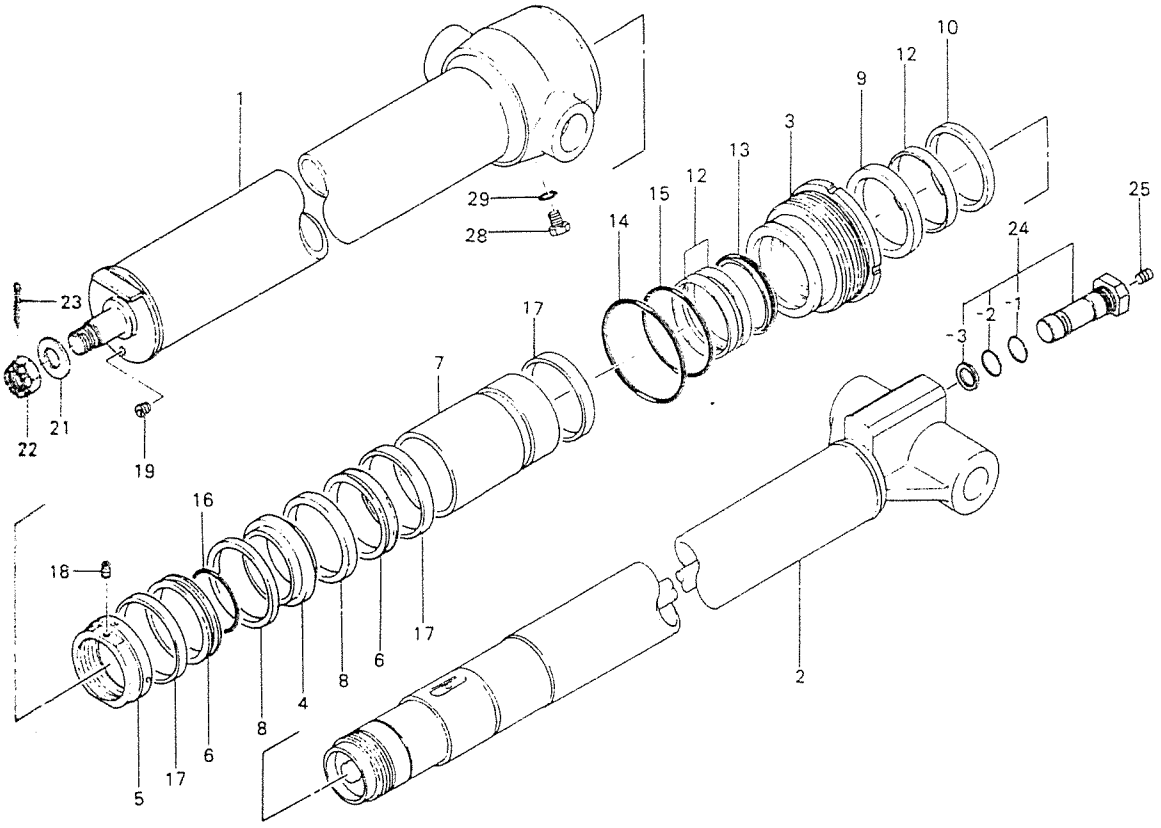
309-99800001

CYLINDER-TELESCOPIC



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE	NOTE
	309-85990001	SEAL KIT	1		
1	309-99801001	CYLINDER	1		
2	309-99802000	ROD	1		
3	309-99603001	COVER-ROD	1		
4	309-85904001	PISTON	1		
5	309-85905001	NUT	1		
6	309-85906001	STOPPER-PACKING	2		
7	309-85907003	PIPE-DISTANCE	1		
8	309-31607001	PACKING	2	S	
9	309-85307001	PACKING	1	S	
10	309-55814001	SEAL-DUST	1	S	
12	309-99812000	RING-WEAR	3		
13	309-85308001	RING-SEAL	1	S	
14	009-46401037	O-RING	1	S	
15	009-46002145	O-RING	1	S	
16	009-46002100	O-RING	1	S	
17	309-54514002	RING-WEAR	3	S	
18	001-10810102	SCREW-SET	1		
19	309-86719003	PLUG	1		
21	309-85125001	WASHER	1		
22	309-84430001	NUT-CASTLE	1		
23	309-85525003	PIN-SPLIT	1		
24	639-46800004	HOLDING VALVE ASSY	1		
- 1	019-36120390	O-RING	1		
- 2	019-36120320	O-RING	1		
- 3	001-37103202	RING-BACK UP	1		

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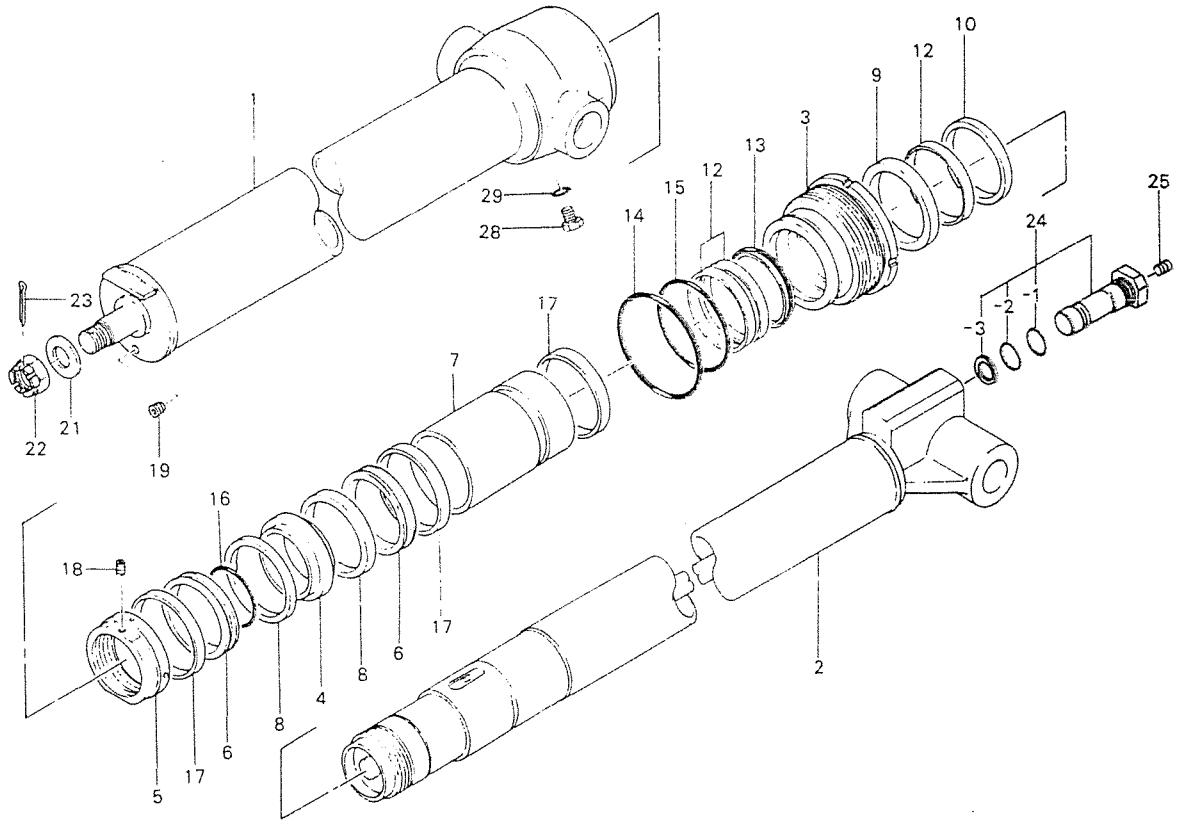
309-99800001

CYLINDER-TELESCOPIC



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
25	309-32339012	SCREW-SET	1			
28	001-65306000	PLUG	1			
29	001-36120140	O-RING	1			

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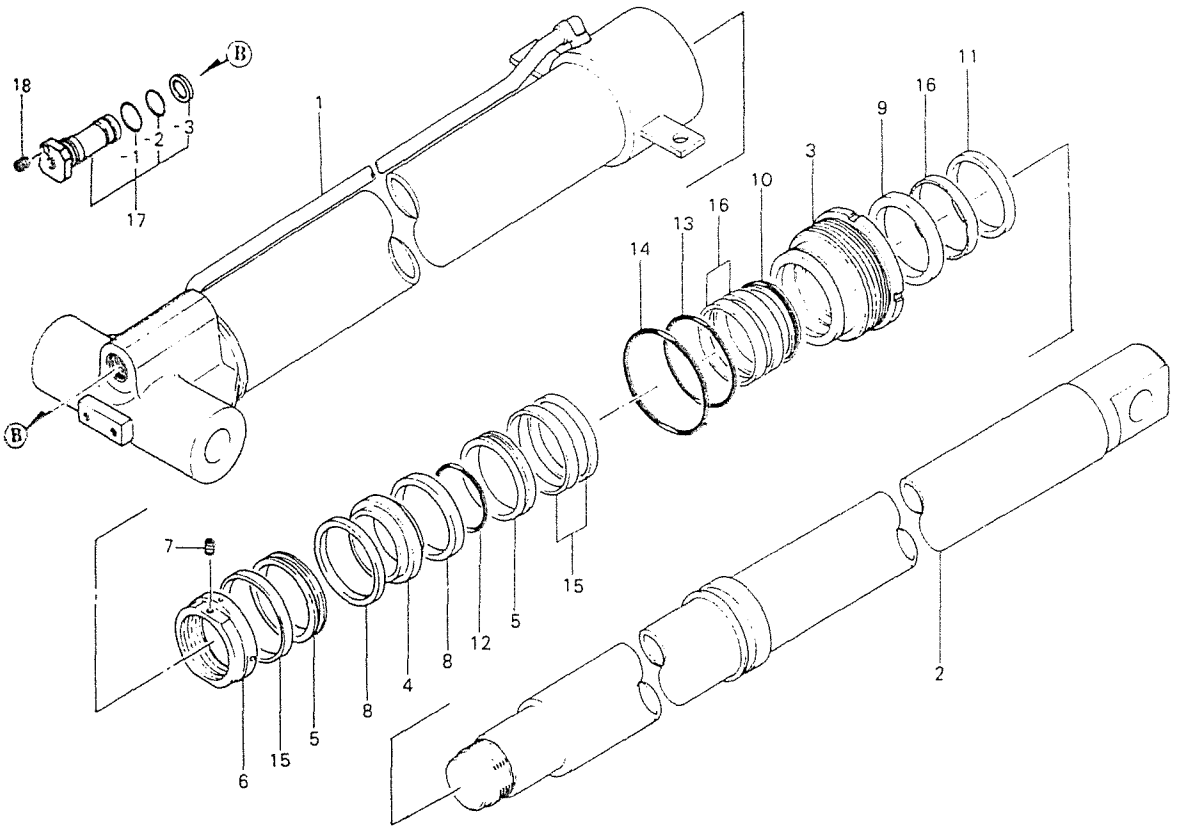
309-99900011

CYLINDER-TELESCOPIC



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
	309-99990010	SEAL KIT	1			
1	309-99901011	CYLINDER	1			
2	309-99902011	ROD	1			
3	309-99903010	COVER-ROD	1			
4	309-33804004	PISTON	1			
5	309-85705001	STOPPER-PACKING	2			
6	309-33806005	NUT	1			
7	309-56223003	SCREW-SET	1			
8	309-33807001	PACKING	2	S		
9	309-45907001	PACKING	1	S		
10	309-99910010	RING-SEAL	1	S		
11	309-46617001	SEAL-DUST	1	S		
12	099-46002080	O-RING	1	S		
13	099-46002125	O-RING	1	S		
14	309-33823005	O-RING	1	S		
15	309-32614001	RING-WEAR	3	S		
16	309-46616001	RING-WEAR	3			
17	639-46800004	HOLDING VALVE ASSY	1			
- 1	019-36120390	O-RING	1			
- 2	019-36120320	O-RING	1			
- 3	001-37103202	RING-BACK UP	1			
18	309-32339012	SCREW-SET	1			

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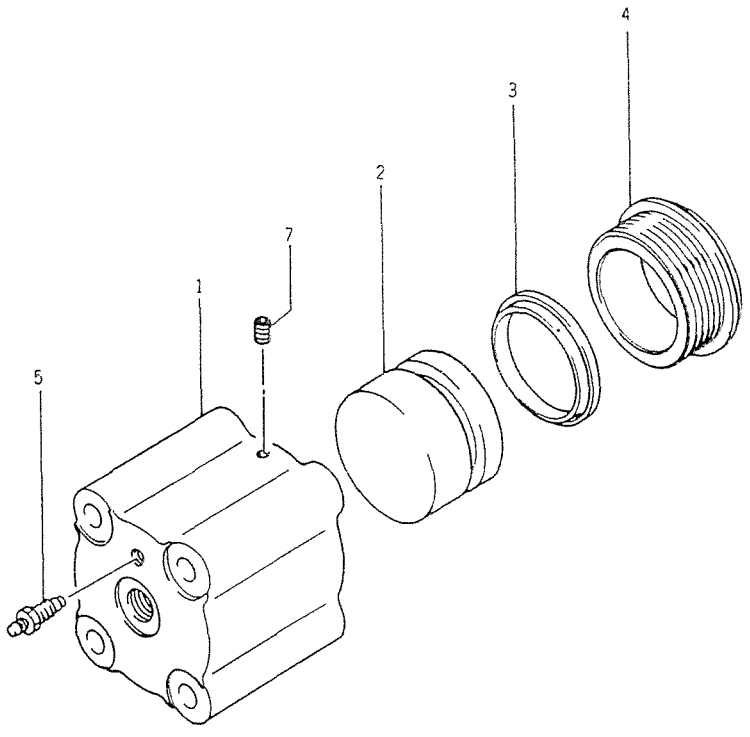
329-65200001

CYLINDER-POWER



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	329-65201001	BODY	1		X	
2	329-65202001	PISTON	1			
3	329-65203001	CUP-PISTON	1			
4	329-65204001	STOPPER	1			
5	329-65205001	SCREW-BLEEDER	1			
7	329-65207001	SCREW-SET	1			

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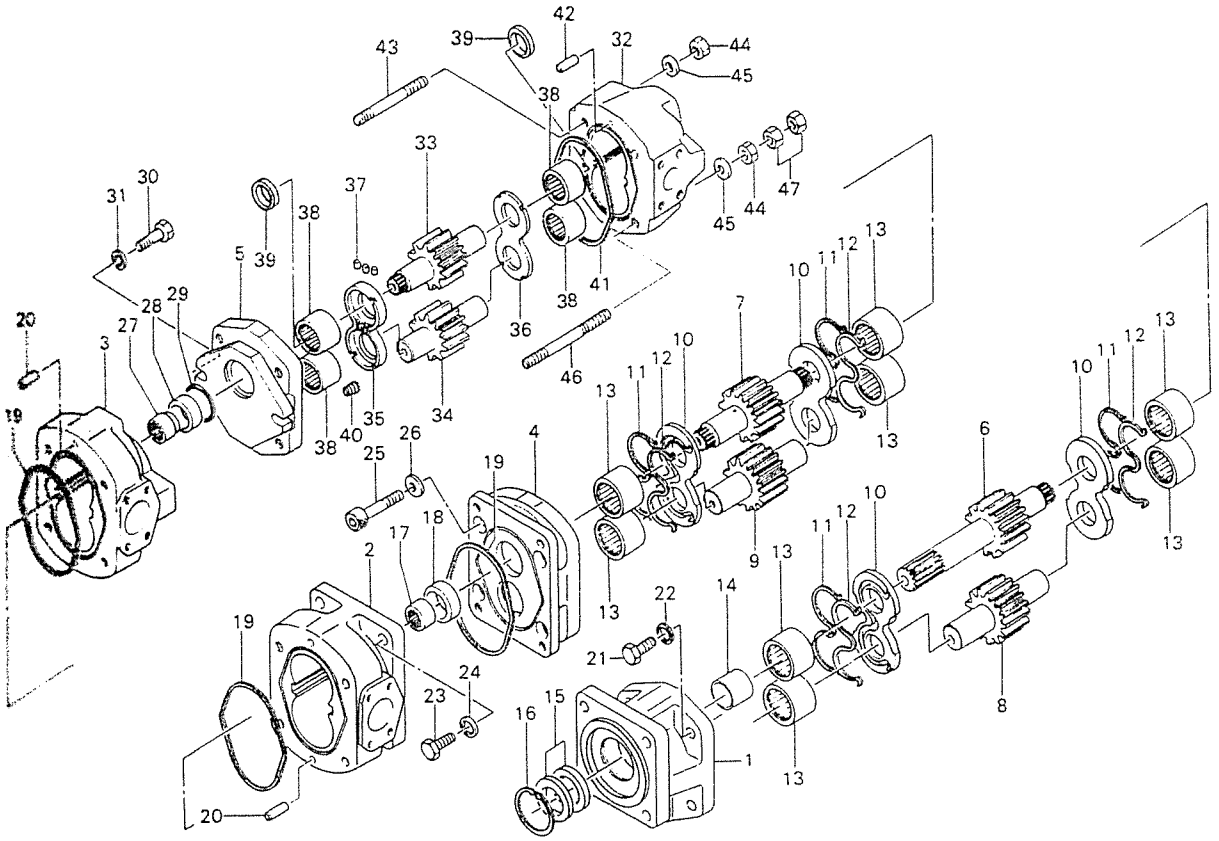
609-16900001

PUMP-GEAR



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	609-25401000	FRAME-FRONT	1			
2	609-25704000	BODY	1			
3	609-16903001	BODY	1			
4	609-25402000	CASE-BEARING	1			
5	609-19103000	CASE-BEARING	1			
6	609-16906001	SHAFT-DRIVE GEAR	1			
7	609-29607001	GEAR-DRIVE	1			
8	609-25708000	GEAR-IDLE	1			
9	609-29609001	GEAR-IDLE	1			
10	609-29615001	PLATE-SIDE	4			
11	609-27922001	SEAL	4			
12	609-25415000	BACK UP-SEAL	4			
13	609-29620001	BEARING-NEEDLE	8			
14	609-25418000	BUSHING	1			
15	619-35827101	SEAL-OIL	2			
16	001-20752000	RING-SNAP(H)	1			
17	609-25420000	COUPLING	1			
18	609-25421000	COLLAR	1			
19	609-25413000	RING-SQUARE	3			
20	609-13908001	PIN	4			
21	609-29630001	BOLT	4			
22	001-12118002	WASHER-SPRING	4			
23	609-29631001	BOLT	4			
24	001-12112002	WASHER-SPRING	4			
25	609-29632001	BOLT-HEXAGON SOCKET	4			
26	609-25425000	WASHER	4			
27	609-29713001	COUPLING	1			
28	609-27909001	COLLAR	1			

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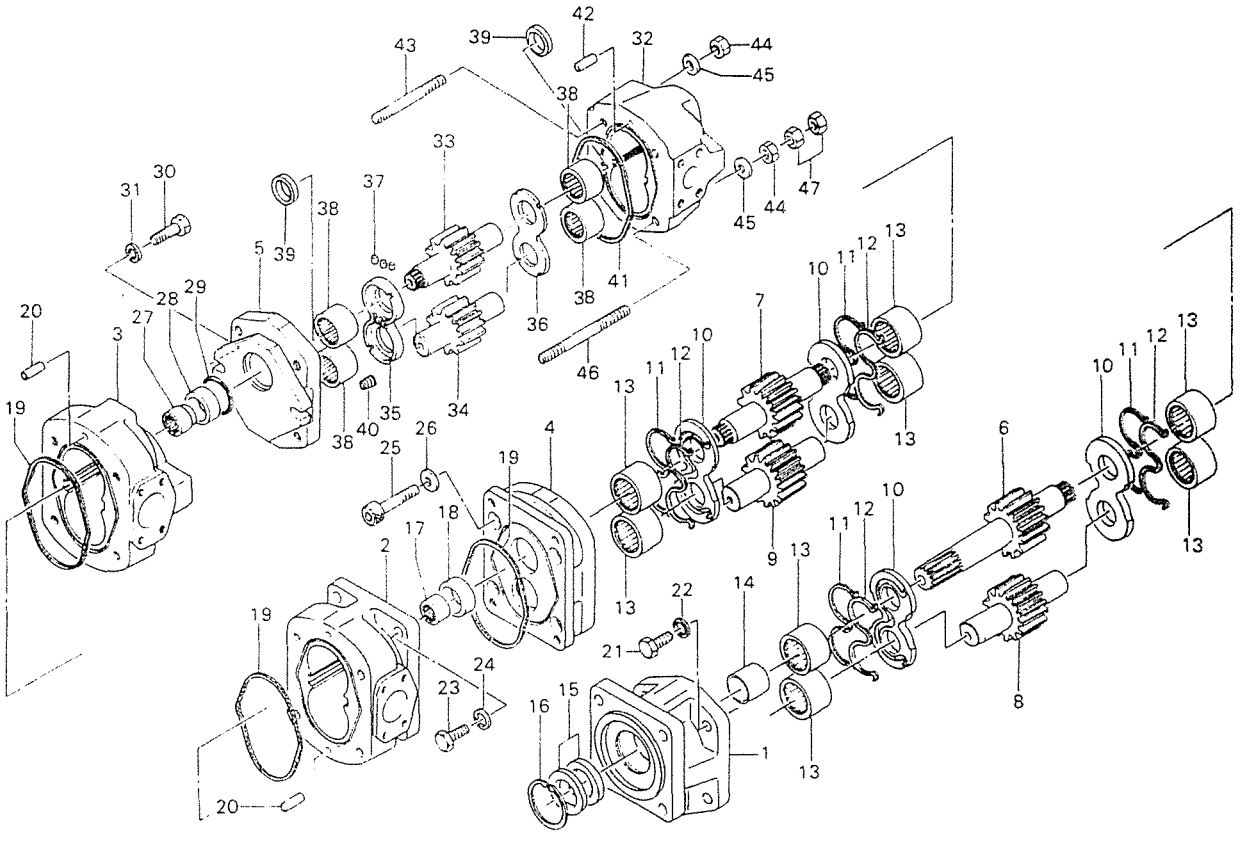
609-16900001

PUMP-GEAR



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
29	609-29729001	O-RING	1			
30	609-27920001	BOLT	2			
31	001-12110002	WASHER-SPRING	2			
32	609-29706001	BODY(S)	1			
33	609-29709001	GEAR-DRIVE	1			
34	619-10504001	GEAR-IDLE	1			
35	609-29716001	PLATE-SIDE(A)	1			
36	609-29717001	PLATE-SIDE(B)	1			
37	609-29730001	SEAL-POCKET	6			
38	609-28615001	BEARING-NEEDLE	4			
39	619-10407001	RING-SEAL	2			
40	001-60902002	PLUG	1			
41	609-11815001	RING-SQUARE	1			
42	609-11024000	PIN	2			
43	619-10508001	BOLT-STUD	2			
44	619-10416001	NUT	4			
45	619-10415001	WASHER	4			
46	609-29732001	BOLT-STUD	2			
47	609-29244001	NUT-LOCK	4			

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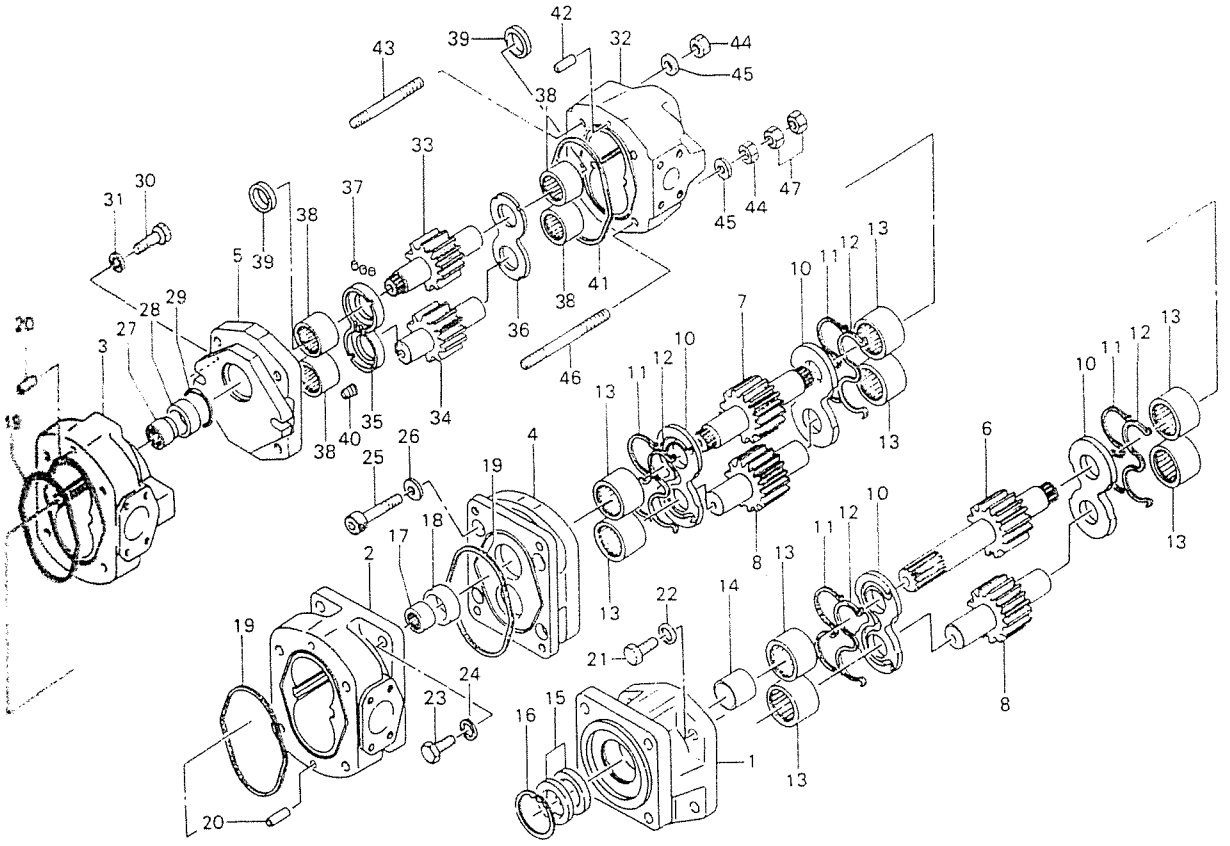
609-17100011

PUMP-GEAR



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
1	609-25401000	FRAME-FRONT	1			
2	609-25404000	BODY	1			
3	609-17103001	BODY	1			
4	609-25402000	CASE-BEARING	1			
5	609-19103000	CASE-BEARING	1			
6	609-17106001	SHAFT-DRIVE GEAR	1			
7	609-25406000	GEAR-DRIVE	1			
8	609-25408000	GEAR-IDLE	2			
10	609-29615001	PLATE-SIDE	4			
11	609-27922001	SEAL	4			
12	609-25415000	BACK UP-SEAL	4			
13	609-29620001	BEARING-NEEDLE	8			
14	609-25418000	BUSHING	1			
15	619-35827101	SEAL-OIL	2			
16	001-20752000	RING-SNAP(H)	1			
17	609-25420000	COUPLING	1			
18	609-25421000	COLLAR	1			
19	609-25413000	RING-SQUARE	3			
20	609-13908001	PIN	4			
21	609-29630001	BOLT	4			
22	001-12118002	WASHER-SPRING	4			
23	609-29631001	BOLT	4			
24	001-12112002	WASHER-SPRING	4			
25	609-29632001	BOLT-HEXAGON SOCKET	4			
26	609-25425000	WASHER	4			
27	609-29713001	COUPLING	1			
28	609-27909001	COLLAR	1			

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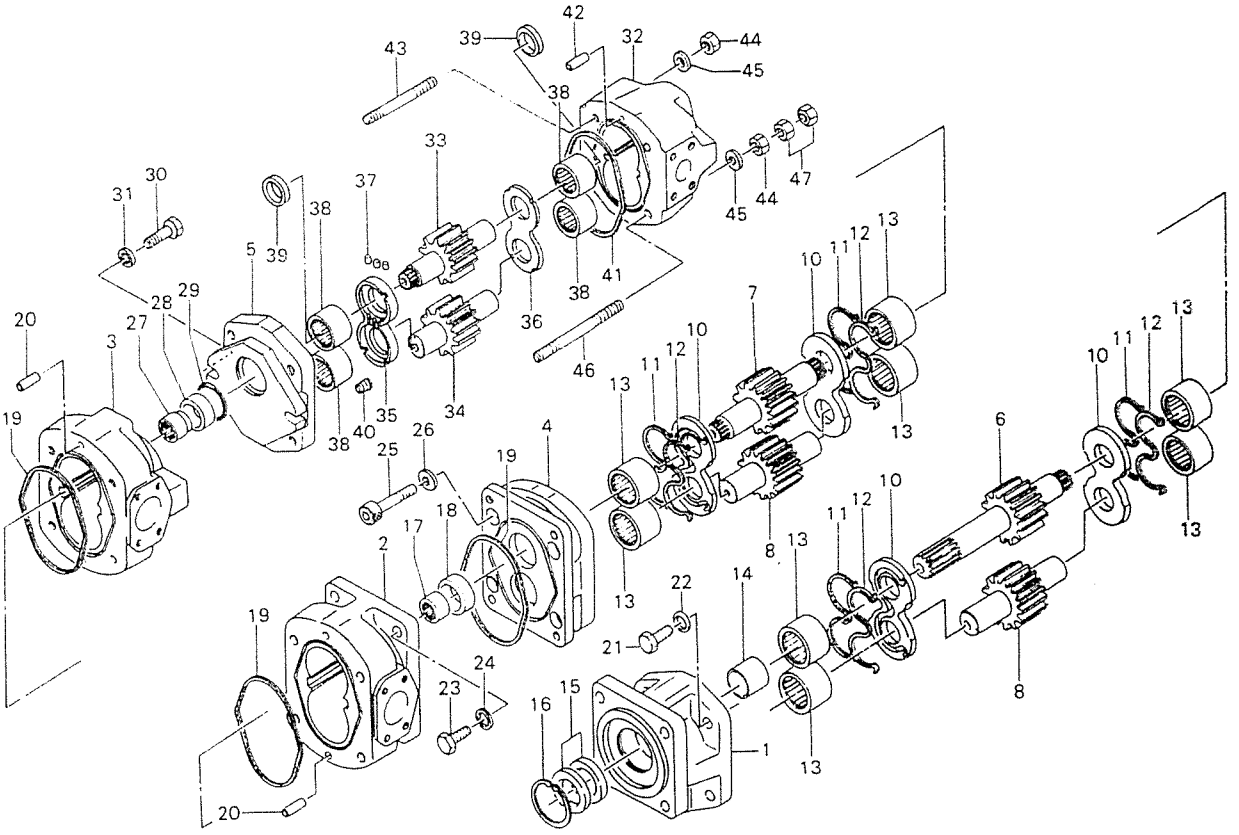
609-17100011

PUMP-GEAR



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
29	609-29729001	O-RING	1			
30	609-27920001	BOLT	2			
31	001-12110002	WASHER-SPRING	2			
32	609-17132001	BODY	1			
33	609-17133001	GEAR-DRIVE	1			
34	609-25810001	GEAR-IDLE	1			
35	609-29716001	PLATE-SIDE(A)	1			
36	609-29717001	PLATE-SIDE(B)	1			
37	609-29730001	SEAL-POCKET	6			
38	609-28615001	BEARING-NEEDLE	4			
39	619-10407001	RING-SEAL	2			
40	001-60902002	PLUG	1			
41	609-11815001	RING-SQUARE	1			
42	609-11024000	PIN	2			
43	609-25822001	BOLT-STUD	2			
44	619-10416001	NUT	4			
45	619-10415001	WASHER	4			
46	609-17146001	BOLT-STUD	2			
47	609-29244001	NUT-LOCK	4			

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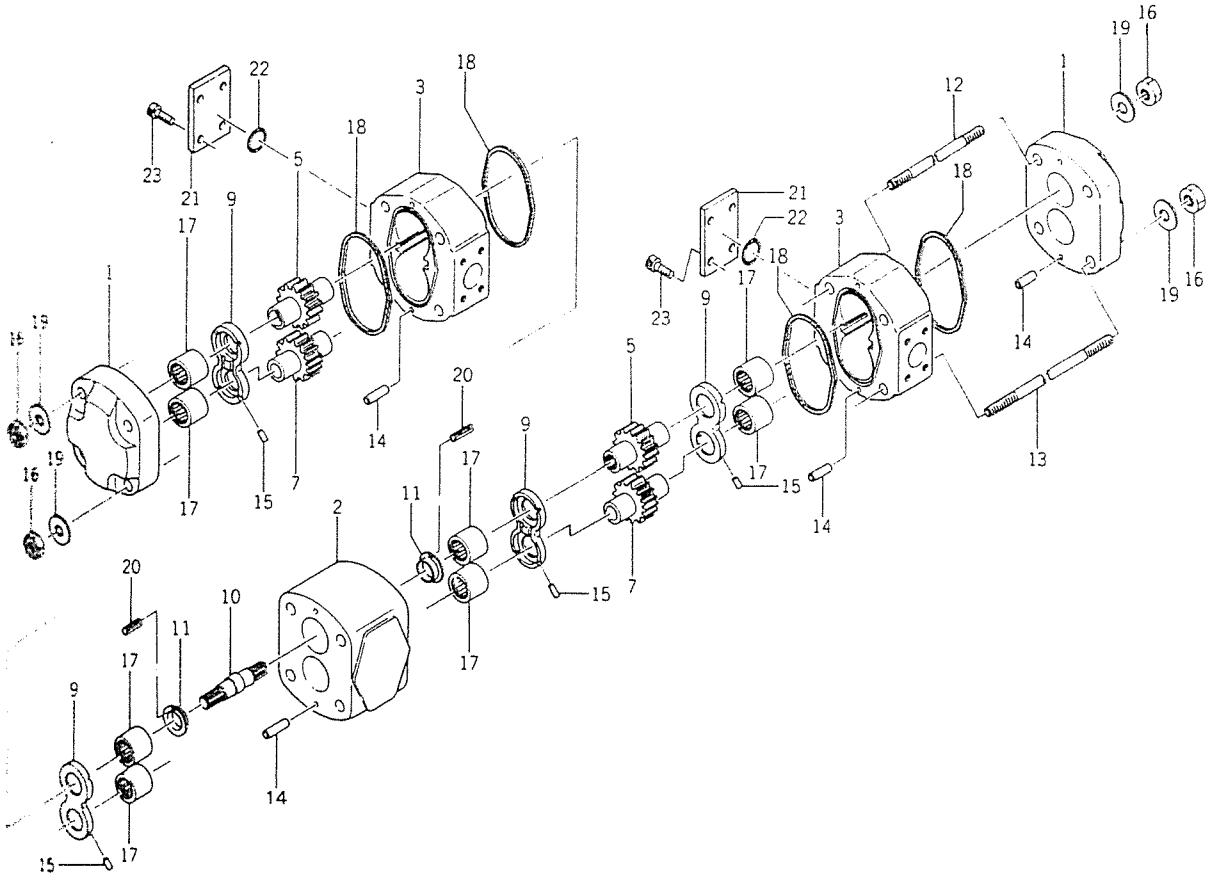
609-27700001

DIVIDER-FLOW



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
1	609-20106001	FRAME-REAR	2			
2	609-27002002	CASE-BEARING	1			
3	609-20226011	CASE-GEAR	2			
5	609-27811001	GEAR-DRIVE	2			
7	609-27814001	GEAR-IDLE	2			
9	609-27013002	PLATE-SIDE	4			
10	609-27015001	SHAFT-CONECTING	1			
11	609-11310031	RING-SEAL	2			
12	609-27712001	BOLT-STUD	2			
13	609-27713001	BOLT-STUD	2			
14	609-11024000	PIN	8			
15	609-27715001	SEAL-POCKET	24			
16	609-11913001	NUT	8			
17	609-11015000	BEARING-NEEDLE	8			
18	609-11617001	RING-SQUARE	4			
19	609-27826001	WASHER	8			
20	609-20127001	PIN-SPRING	2			
21	609-33208001	FLANGE	2			
22	009-46002035	O-RING	2			
23	001-10510030	BOLT-HEXAGON SOCKET	8			

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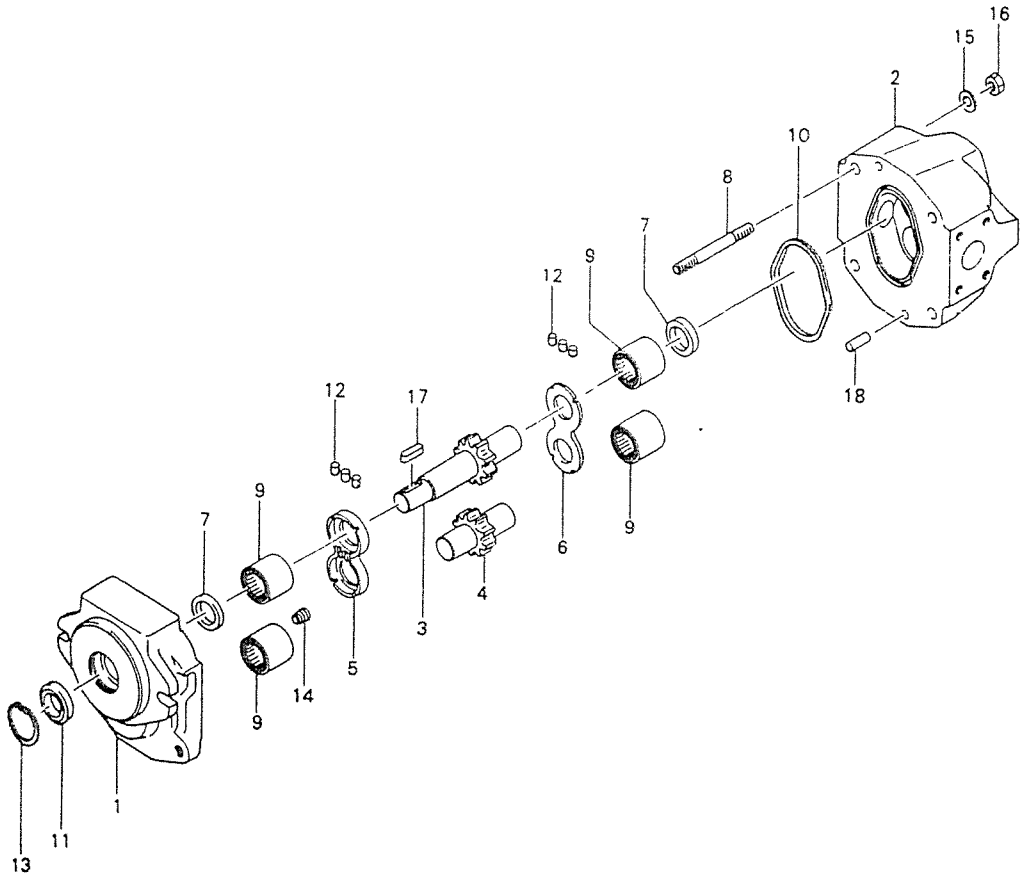
619-10800001

MOTOR-GEAR



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	619-10401001	FRAME	1			
2	619-10802001	BODY	1			
3	619-10803001	SHAFT	1			
4	619-10804001	GEAR-IDLE	1			
5	609-11105001	PLATE-SIDE	1			
6	609-11106001	PLATE-SIDE	1			
7	619-10407001	RING-SEAL	2			
8	619-10808001	BOLT-STUD	4			
9	609-11813001	BEARING-NEEDLE	4			
10	609-11815001	RING-SQUARE	1			
11	609-11111001	SEAL-OIL	1			
12	609-29730001	SEAL-POCKET	6			
13	001-20740000	RING-SNAP(H)	1			
14	001-60902002	PLUG	2			
15	619-10415001	WASHER	4			
16	619-10416001	NUT	4			
17	619-10417001	KEY	1			
18	609-11024000	PIN	2			

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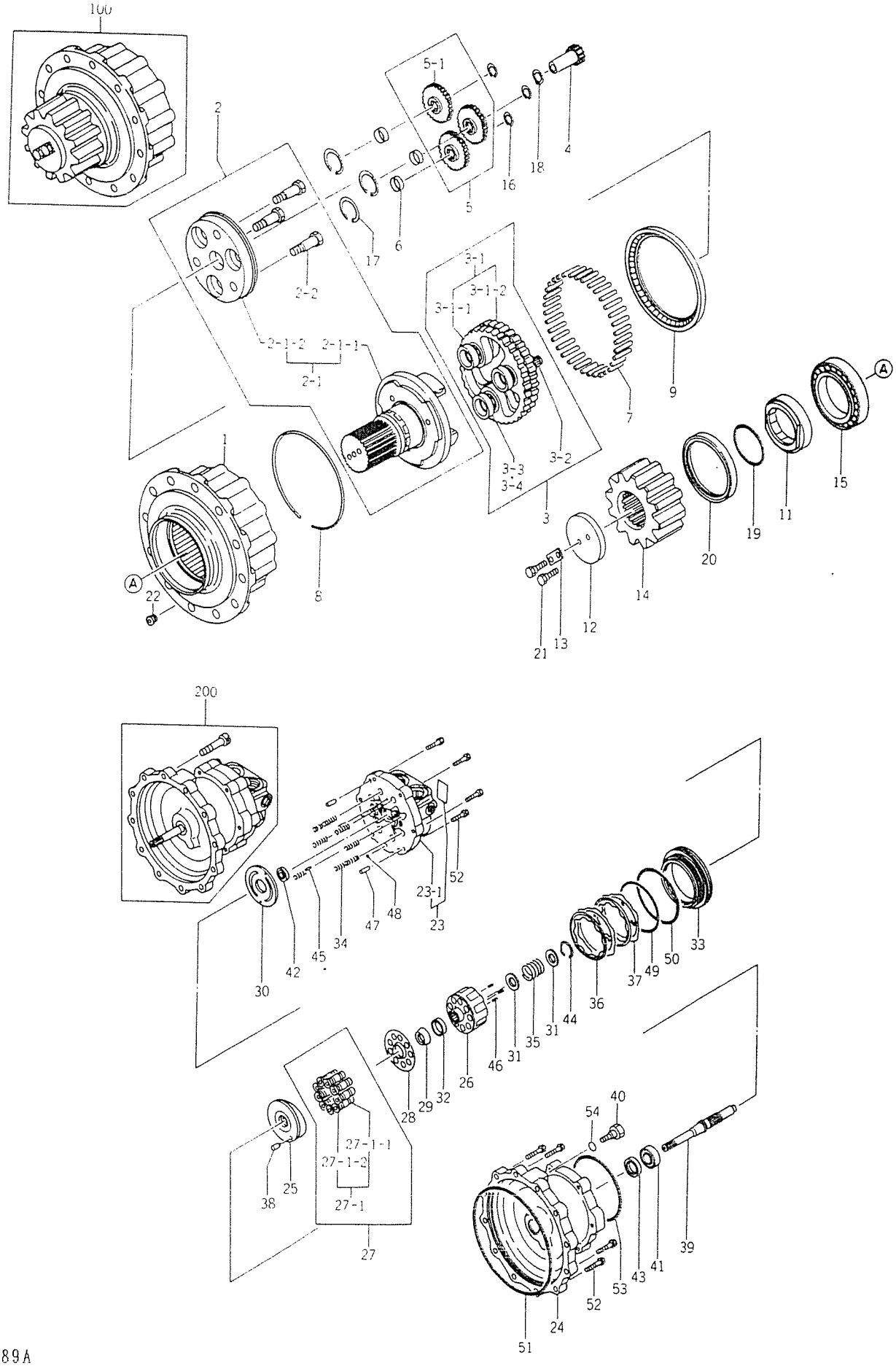
619-30900012

MOTOR-PLUNGER



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619-30900012

MOTOR-PLUNGER

REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
	619-55290002	SEAL KIT	1			
1	619-32201011	HUB	1			
2	619-54401101	SPINDLE KIT	1			
- 1	619-54402101	SPINDLE ASSY	1			
-- 1	619-51202001	SPINDLE	1		X	
-- 2	619-51203001	FLANGE-HOLD	1		X	
- 2	619-32914001	BOLT-REAMER	3			
3	619-52700201	RV GEAR ASSY	1			
- 1	619-55403101	GEAR-RV KIT	1			
-- 1	619-51204001	GEAR-RV(A)	1		X	
-- 2	619-51205001	GEAR-RV(B)	1		X	
- 2	619-51209001	SHAFT-CRANK	3			
- 3	619-32916001	BEARING-ROLLER	6			
- 4	619-55404101	BEARING-NEEDLE	6			
4	619-30904011	GEAR-INPUT	1			
5	619-52700301	SPUR GEAR KIT	1			
- 1	619-30905011	GEAR-SPUR	3		X	
6	619-32911001	PIECE-DISTANCE	3			
7	619-32207001	PIN	36			
8	619-32209001	RING	1			
9	619-32915001	BEARING-BALL	1			
11	619-32211001	PIECE-DISTANCE	1			
12	619-32212001	PLATE	1			
13	619-32213001	PLATE-LOCK	1			
14	619-32214001	PINION	1			
15	619-52732001	BEARING-ROLLER	1			
16	001-20625000	RING-SNAP(S)	3			
17	619-50617102	SNAP RING KIT	3			
18	001-20617000	RING-SNAP(S)	1			
19	009-46402016	O-RING	1	S		
20	009-45013514	SEAL-OIL	1	S		
21	619-52721002	BOLT	2			
22	619-32222001	PLUG	1			
23	619-55401201	REAR FLANGE KIT	1			
- 1	619-32223011	FLANGE-REAR	1			
24	619-32224011	CASE	1			
25	619-52743001	PLATE-SWASH	1			
26	619-32944001	BLOCK-CYLINDER	1			
27	619-52700401	PISTON KIT	1			
- 1	619-55401401	PISTON ASSY	9		X	
-- 1	619-32945001	PISTON	1		X	
-- 2	619-52746001	SHOE	1		X	
28	619-52747001	PLATE-RETAINER	1			
29	619-32948001	BOWL-THRUST	1			
30	619-52749001	PLATE-TIMING	1			
31	619-32950001	WASHER	2			

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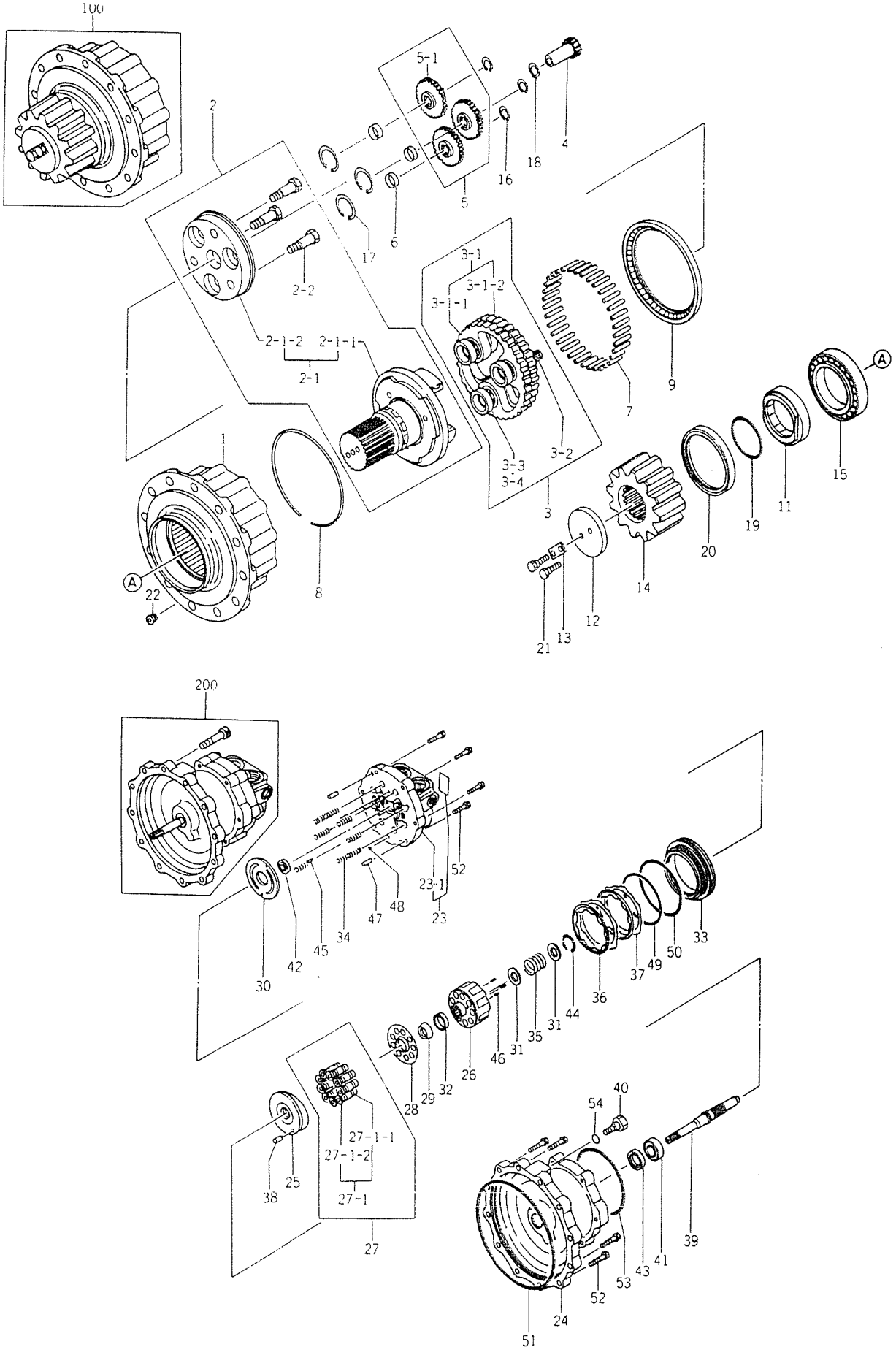
619-30900012

MOTOR-PLUNGER



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619-30900012

MOTOR-PLUNGER

REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
32	619-50632202	WASHER KIT	1			
33	619-32233011	PISTON	1			
34	619-32953001	SPRING	10			
35	619-32954001	SPRING	1			
36	619-32955001	PLATE-FRICTION	2			
37	619-32956001	PLATE-PRESSURE	2			
38	619-32957001	PIN	1			
39	619-32239001	SHAFT	1			
40	619-31141001	GAUGE-OIL	1			
41	009-35006204	BEARING-BALL	1			
42	009-35006202	BEARING-BALL	1			
43	619-32970001	SEAL-OIL	1	S		
44	619-32977001	RING-SNAP	1			
45	619-55206002	PIN	2			
46	619-55207002	PIN	3			
47	619-55208002	PIN	2			
48	001-36120060	O-RING	1	S		
49	009-46402028	O-RING	1	S		
50	009-46402033	O-RING	1	S		
51	009-46402049	O-RING	1	S		
52	001-10510035	BOLT-HEXAGON SOCKET	18			
53	009-46402036	O-RING	1	S		
54	001-36120140	O-RING	1	S		
100	619-30900112	GEAR-REDUCTION	1			
200	619-52700502	MOTOR-HYDRAULIC	1			

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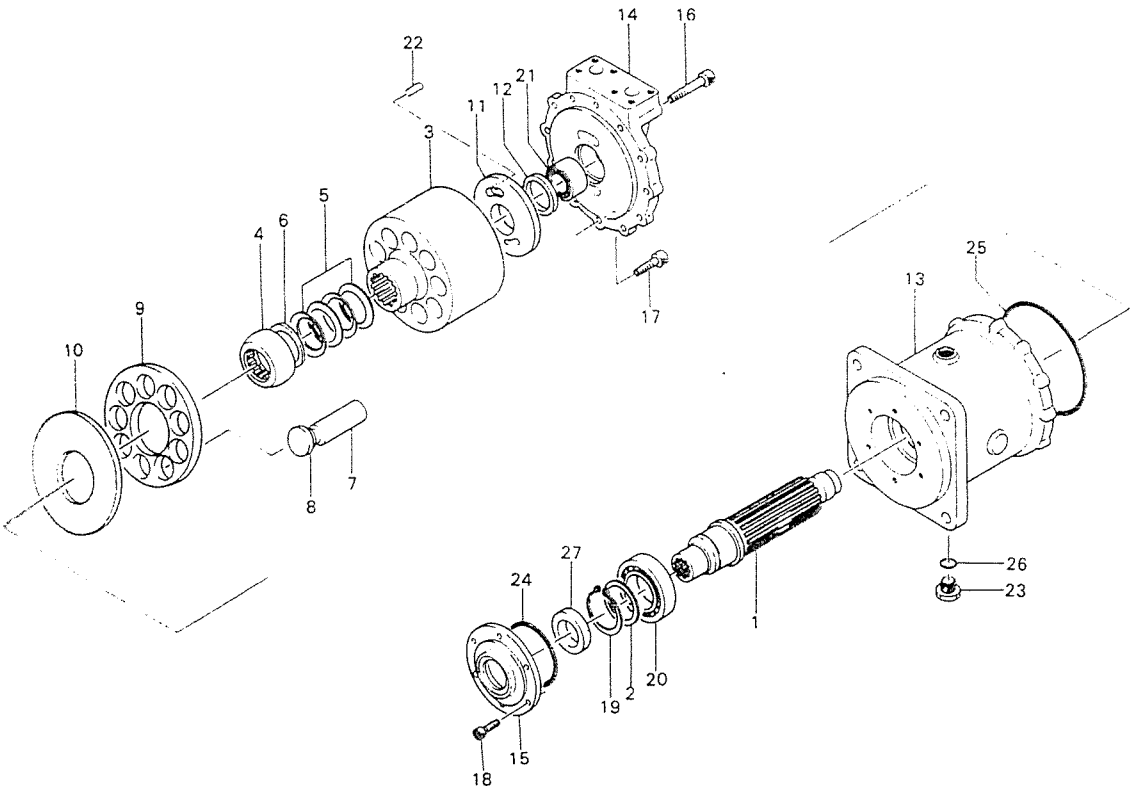
619-33500001

MOTOR-PLUNGER



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
1	619-33501001	SHAFT-DRIVE	1			
2	619-33402001	SPACER-BEARING	1			
3	619-33503001	CYLINDER	1			
4	619-33404001	BUSHING-SPHERICAL	1			
5	619-33405001	SPRING-CONED DISC	4			
6	619-33406001	SHIM	1			
7	619-33407001	PISTON	9			
8	619-33408001	SHOE	9			
9	619-33409001	PLATE-SUPPORT	1			
10	619-33410001	PLATE-SHOE	1			
11	619-33411001	PLATE-VALVE	1			
12	619-33412001	RING-GUIDE	1			
13	619-33413001	CASING	1			
14	619-33514001	COVER-VALVE	1			
15	619-33415001	COVER-FRONT	1			
16	001-10512085	BOLT-HEXAGON SOCKET	1			
17	001-10512045	BOLT-HEXAGON SOCKET	15			
18	001-10508025	BOLT-HEXAGON SOCKET	6			
19	001-20680000	RING-SNAP(S)	1			
20	619-31440001	BEARING-ROLLER	1			
21	619-31441001	BEARING-NEEDLE	1			
22	619-34336001	PIN	1			
23	609-37538001	PLUG(VP)	1			
24	009-46002140	O-RING	1			
25	009-46402049	O-RING	1			
26	001-36120240	O-RING	1			
27	619-33626001	SEAL-OIL	1			

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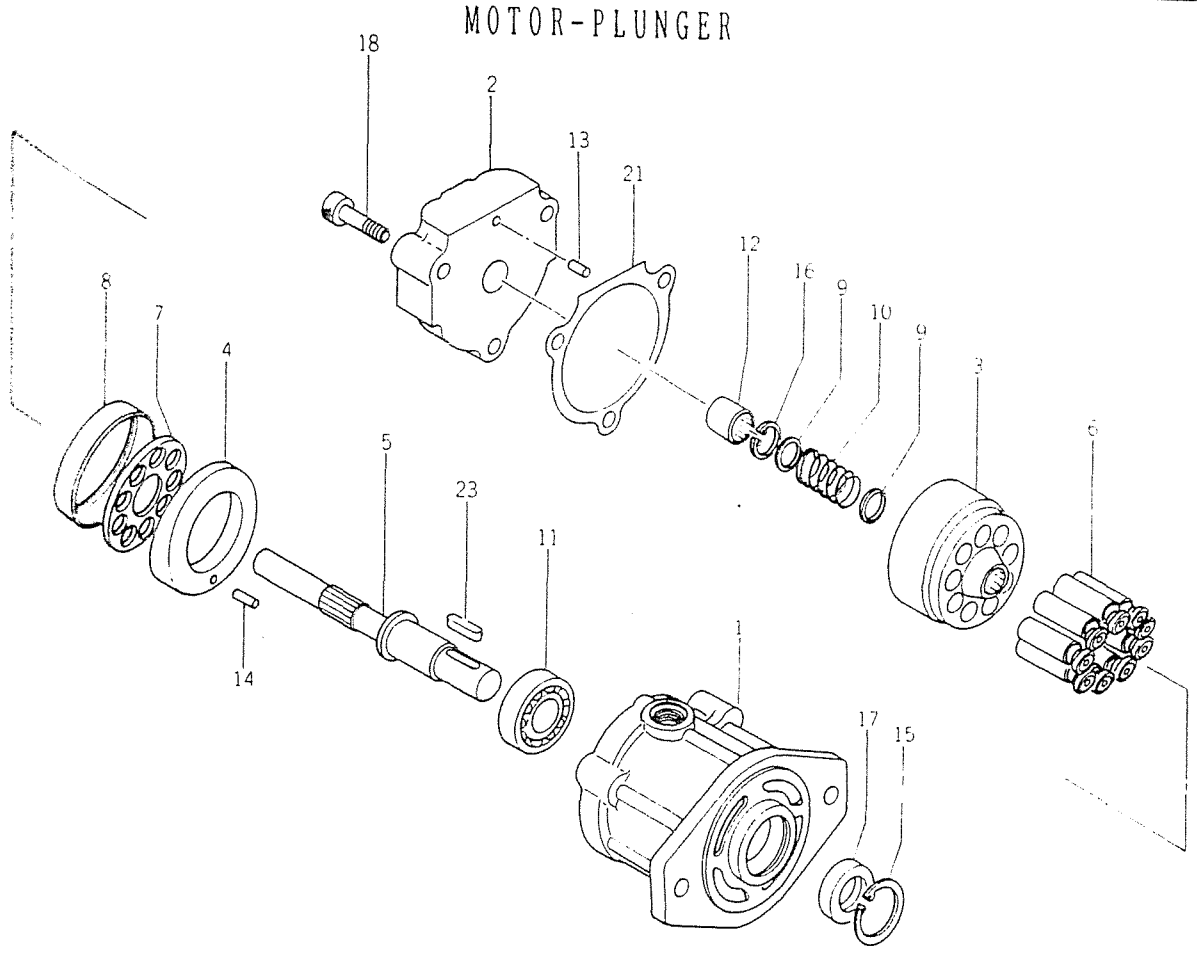
619-56700001

MOTOR-PLUNGER



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
	619-56790001	SEAL KIT	1			
1	619-56701001	CASE	1		X	
2	619-56702001	BLOCK-PORT	1		X	
3	619-56703001	BLOCK-CYLINDER	1		X	
4	619-56704001	PLATE-SWASH	1		X	
5	619-56705001	SHAFT	1		X	
6	619-56707001	PISTON ASSY	9		X	
7	619-56708001	PLATE-RETAINER	1		X	
8	619-56709001	HOLDER-RETAINER	1		X	
9	619-30509001	HOLDER-SPRING	2			
10	619-56710001	SPRING	1			
11	619-56711001	BEARING-BALL	1		X	
12	619-56712001	BEARING-NEEDLE	1		X	
13	619-30514011	PIN	2		X	
14	619-56713001	PIN	1		X	
15	619-30515001	RING-SNAP	1			
16	619-56714001	RING-SNAP	1			
17	619-30517001	SEAL-OIL	1	S		
18	001-10510050	BOLT-HEXAGON SOCKET	3			
21	619-56716001	GASKET	1	S		
23	619-56717001	KEY	1			

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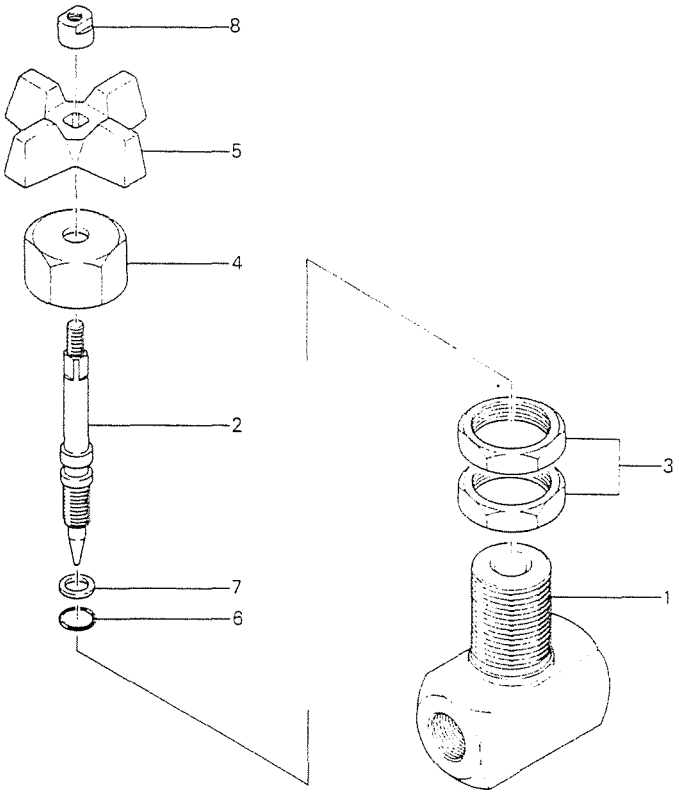
https://truckmanualshub.com/

629-10400001

VALVE-NEEDLE



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	629-10401001	BODY	1			
2	629-10402001	NEEDLE	1			
3	629-10403001	NUT	2			
4	629-10404001	NUT-CAP	1			
5	629-10405001	HANDLE	1			
6	001-36110070	O-RING	1			
7	001-37100702	RING-BACK UP	1			
8	629-10408001	NUT-LOCK	1			

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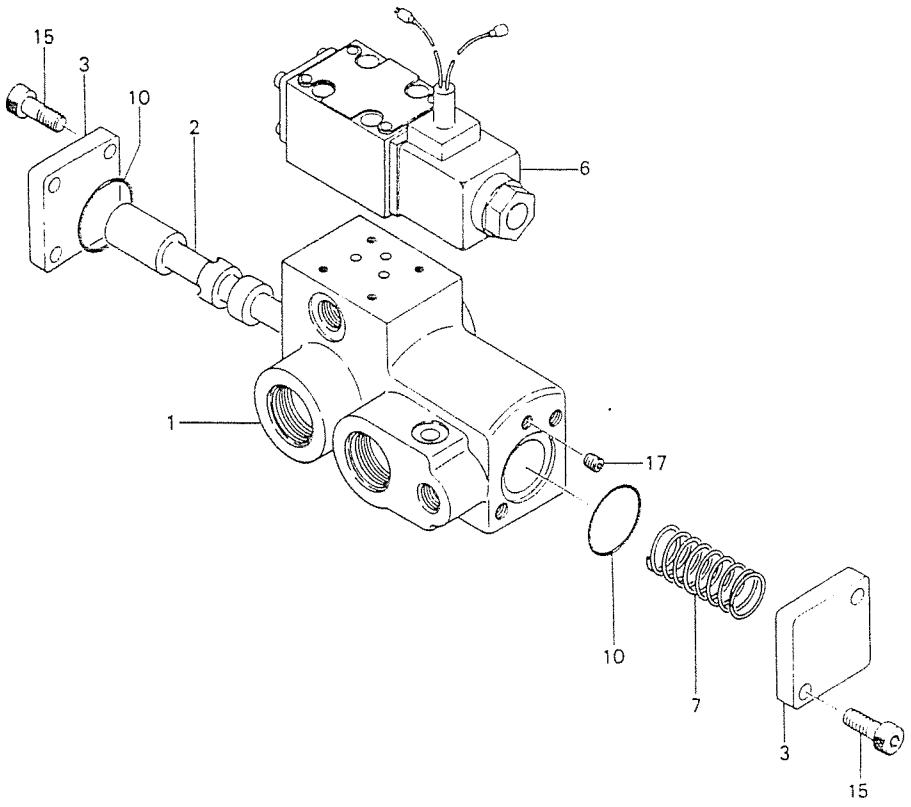
629-13200012

VALVE-SHUT OFF



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
1	629-13201010	BODY	1			
2	629-13202001	SPOOL	1			
3	629-13203001	COVER	2			
6	629-13206010	VALVE-SOLENOID	1			
7	629-13207001	SPRING	1			
10	009-46001030	O-RING	2			
15	001-10508020	BOLT-HEXAGON SOCKET	6			
17	639-48512001	PLUG	1			

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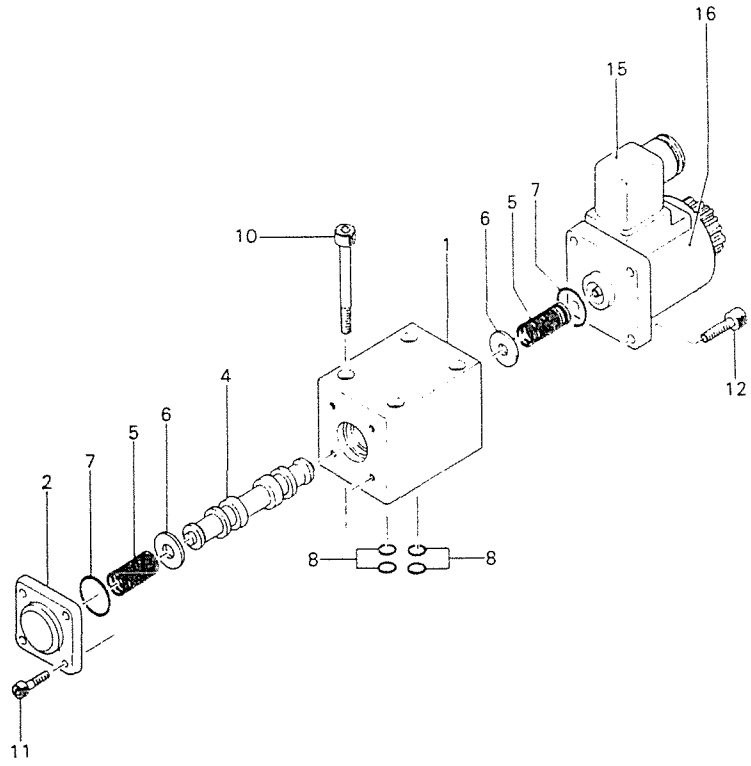
629-24300001

VALVE-SOLENOID



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE	NOTE
1	629-24501001	BODY	1		
2	629-24502001	COVER	1		
4	629-24504001	SPOOL	1		
5	629-24305000	SPRING	2		
6	629-24506001	SEAT-SPRING	2		
7	629-24507001	O-RING	2		
8	009-46302007	O-RING	4		
10	629-24510001	BOLT-HEXAGON SOCKET	4		
11	629-24511001	BOLT-HEXAGON SOCKET	4		
12	629-24512001	BOLT-HEXAGON SOCKET	4		
15	629-24315000	CONNECTOR	1		
16	629-24316000	SOLENOID	1		

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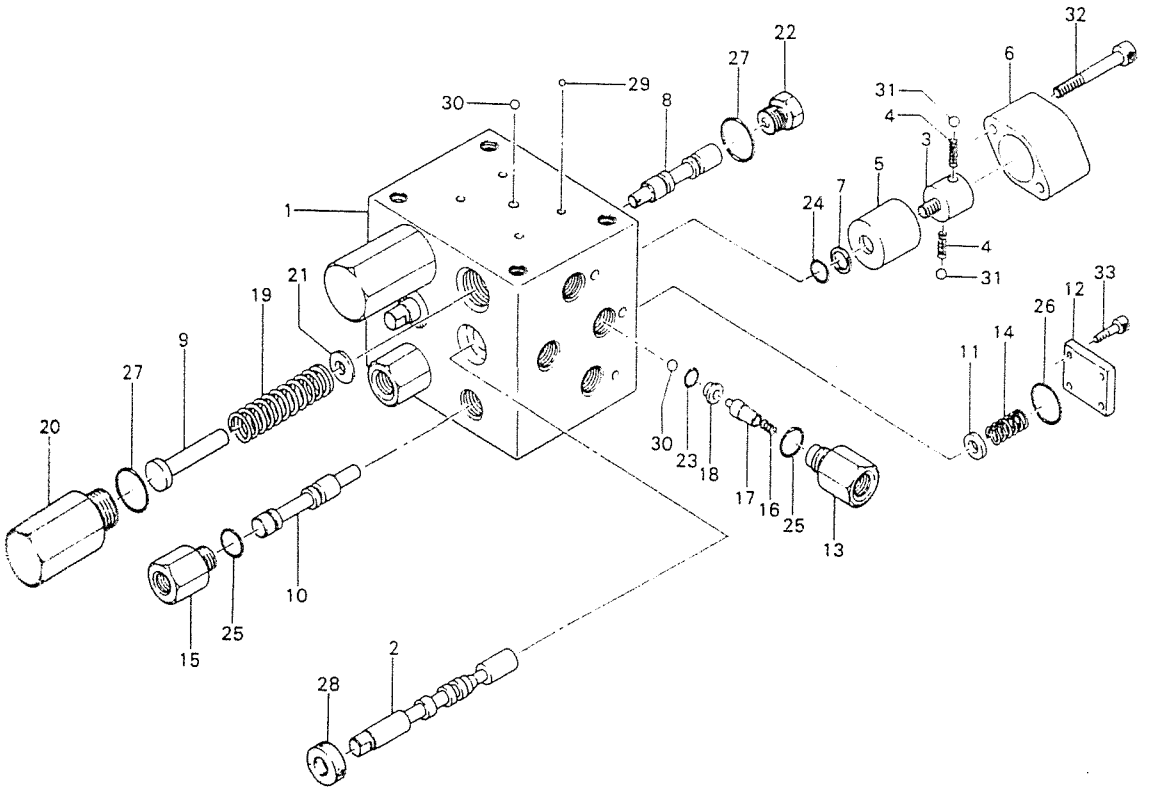
629-24900011

VALVE-CLUTCH



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
1	629-24901000	BODY	1			
2	629-24902000	SPOOL	2			
3	629-24903000	HOLDER-DETENT	2			
4	629-24904000	SPRING	4			
5	629-24905000	SLEEVE	2			
6	629-24906000	COVER	2			
7	629-24907000	RING-BACK UP	2			
8	629-24908000	PLUNGER	2			
9	629-24909000	STOPPER	2			
10	629-24910011	PLUNGER	2			
11	629-24911000	WASHER	2			
12	629-24912000	COVER	2			
13	629-24913000	CASE	2			
14	629-24914011	SPRING	2			
15	629-12405001	CONNECTOR	2			
16	629-25213001	SPRING	2			
17	629-25204001	VALVE-CHECK	2			
18	629-25205001	SEAT-VALVE	2			
19	629-22603001	SPRING	2			
20	629-22604001	PLUG	2			
21	629-22606001	WASHER	2			
22	629-24922000	PLUG	2			
23	001-36120070	O-RING	2			
24	001-36110100	O-RING	2			
25	001-36120110	O-RING	6			
26	629-24926011	O-RING	2			
27	001-36120180	O-RING	2			
28	629-24928000	SEAL-OIL	2			

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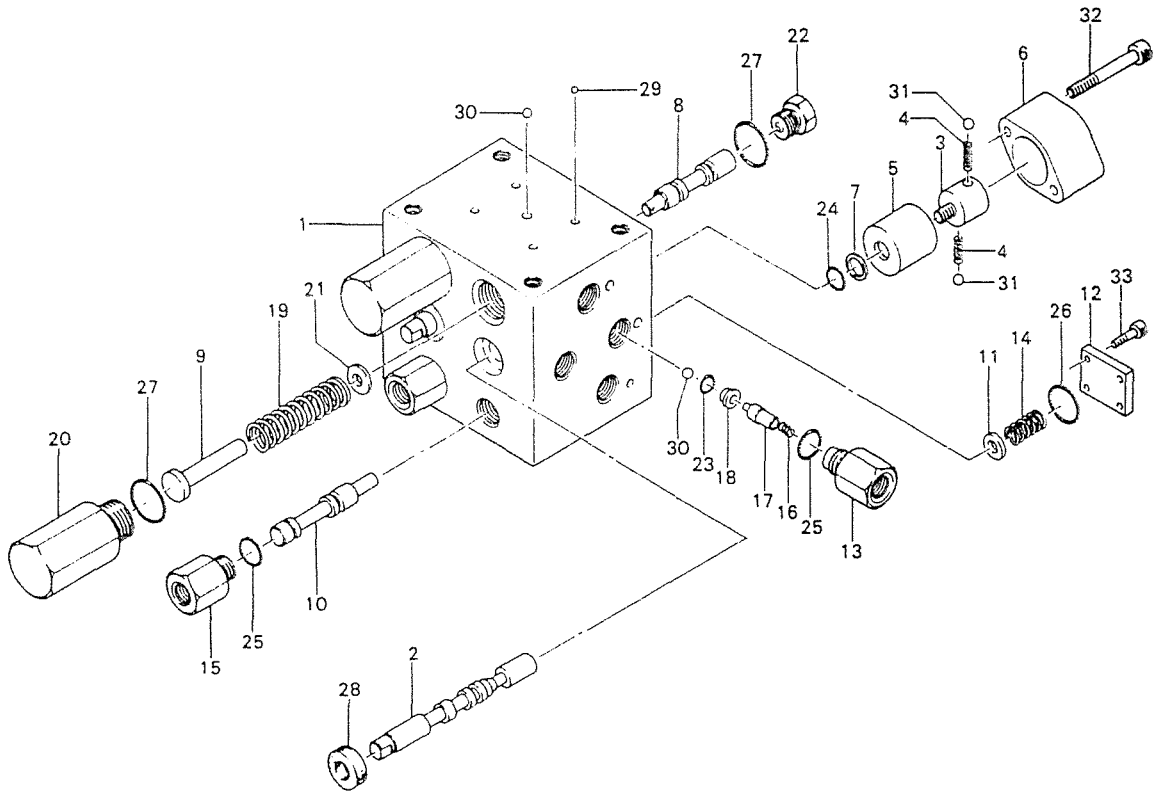
629-24900011

VALVE-CLUTCH



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
29	629-57318001	BALL-STEEL	11			
30	629-21426001	BALL-STEEL	6			
31	629-80524001	BALL-STEEL	4			
32	629-24932000	BOLT-HEXAGON SOCKET	4			
33	001-10505014	BOLT-HEXAGON SOCKET	4			

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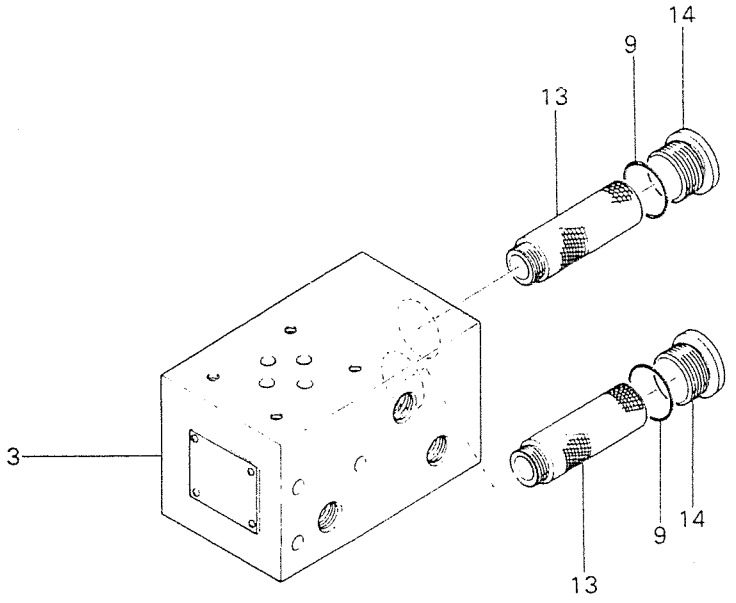
629-27600001

PLATE-SUB



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE	NOTE
3	629-24503001	BODY	1		
9	001-36120140	O-RING	2		
13	689-30502001	FILTER	2		
14	629-24514001	PLUG	2		

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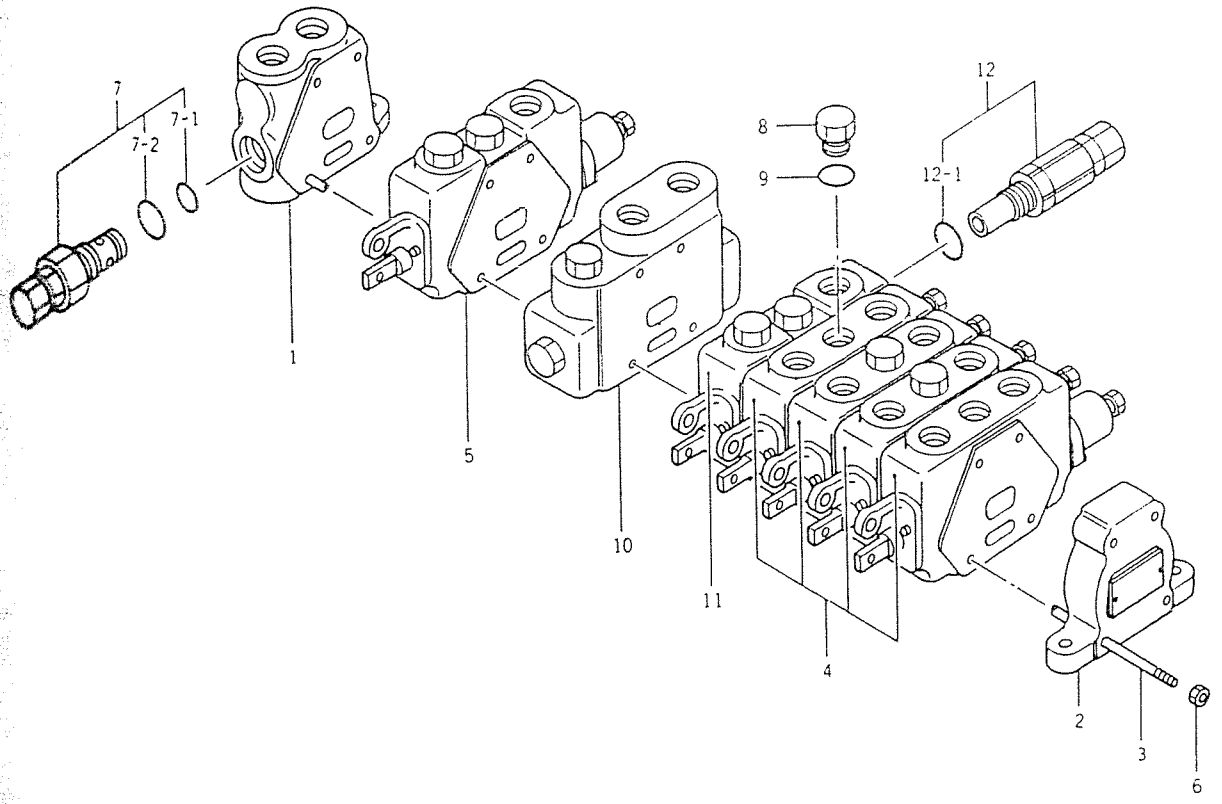
629-55900021

VALVE-CONTROL



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
1	629-55900121	BODY ASSY	1			
2	629-55902021	BODY ASSY	1			
3	629-55913001	BOLT	4			
4	629-55900321	VALVE BLOCK ASSY	4			
5	629-55900221	VALVE BLOCK ASSY	1			
6	629-55906001	NUT	8			
7	629-55900501	RELIEF VALVE ASSY	1			
- 1	629-55901501	O-RING	1			
- 2	001-36120220	O-RING	1			
8	629-55908002	BUSHING	5			
9	001-36120140	O-RING	5			
10	629-55900621	BODY ASSY	1			
11	629-55900421	VALVE BLOCK ASSY	1			
12	629-55900821	RELIEF VALVE ASSY	1			
- 1	669-11309201	O-RING	1			

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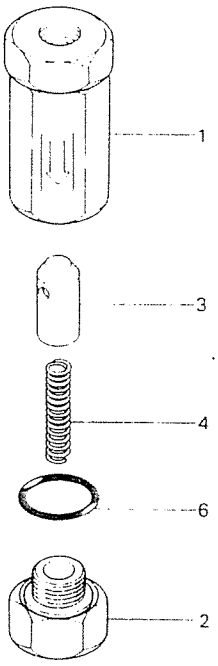
629-61000011

VALVE-INLINE CHECK



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	629-61001011	BODY	1			
2	629-61002011	ADAPTER	1			
3	639-51412001	PLUNGER-CHECK	1			
4	639-51415001	SPRING	1			
6	009-46001025	O-RING	1			

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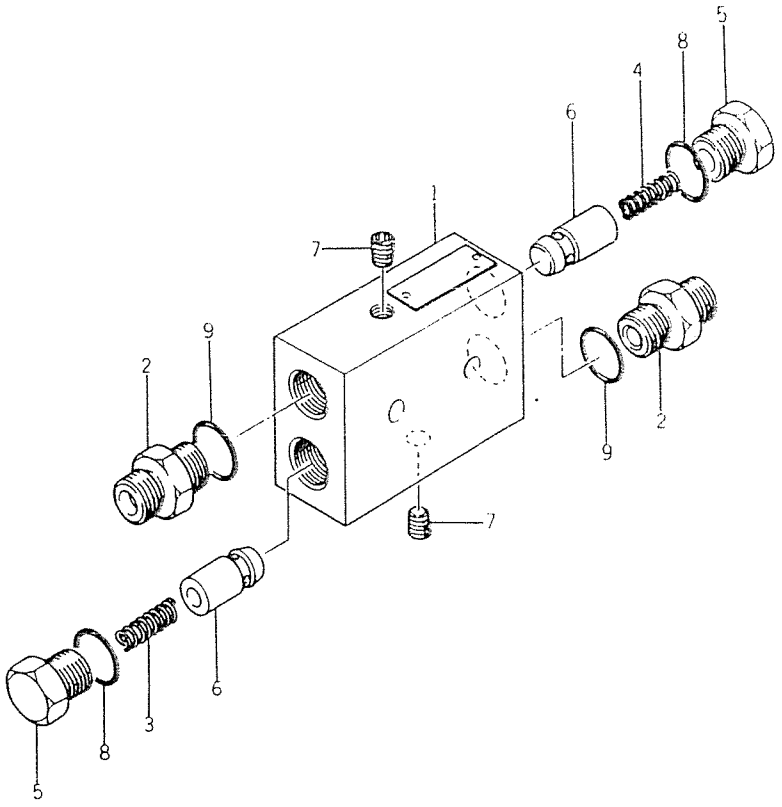
629-62900003

VALVE-DOUBLE CHECK



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
1	629-83301001	BODY	1			
2	629-62902003	CONNECTOR	2			
3	629-62803003	SPRING	1			
4	629-83303001	SPRING	1			
5	629-83304001	PLUG	2			
6	629-83306001	PLUNGER-CHECK	2			
7	001-60902002	PLUG	2			
8	001-36120160	O-RING	2			
9	001-36120180	O-RING	2			

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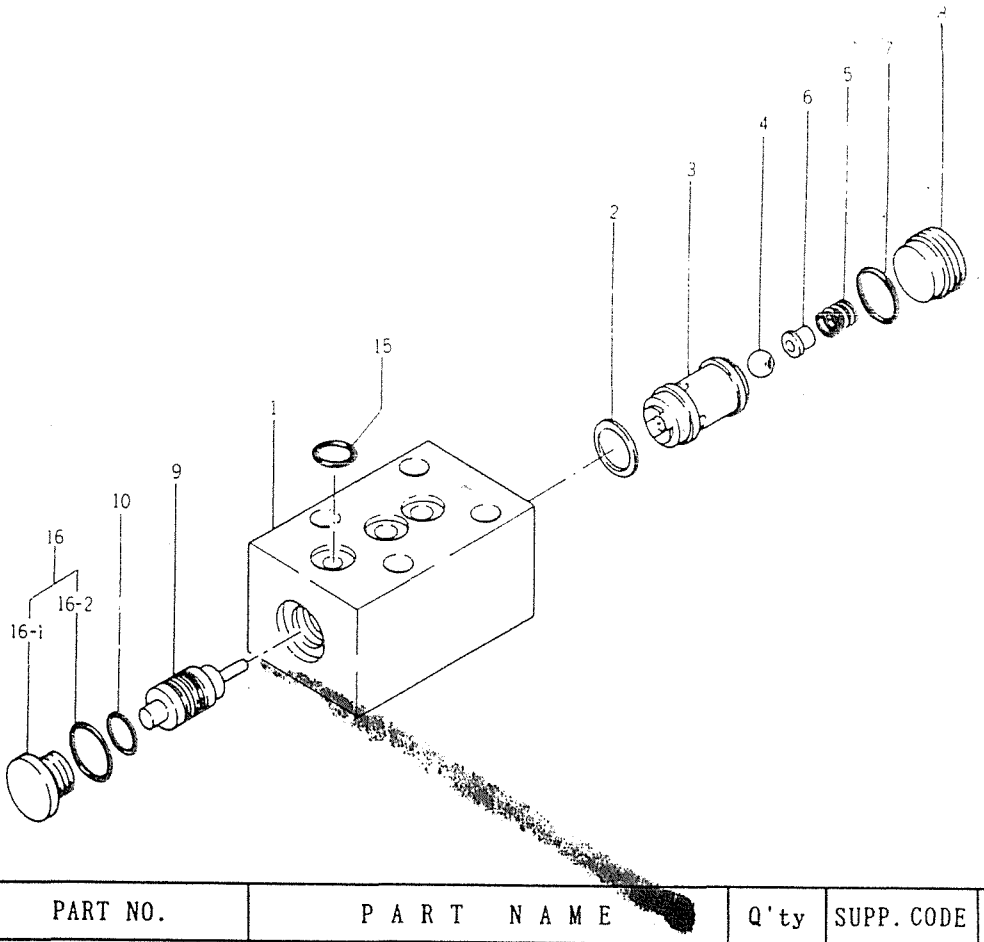
629-66700012

VALVE-PILOT CHECK



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
1	629-68001001	HOUSING	1			
2	629-66502001	GASKET	1			
3	629-66503001	SEAT	1			
4	629-66504001	BALL-STEEL	1			
5	629-66505001	SPRING	1			
6	629-66510001	SEAT-SPRING	1			
7	629-66607001	O-RING	1			
8	629-66608021	PLUG	1			
9	629-66609021	PISTON	1			
10	001-36110120	O-RING	1			
15	001-36120120	O-RING	3			
16	629-81816002	PLUG SET	1			
- 1	629-68017001	PLUG	1			
- 2	001-36120160	O-RING	1			

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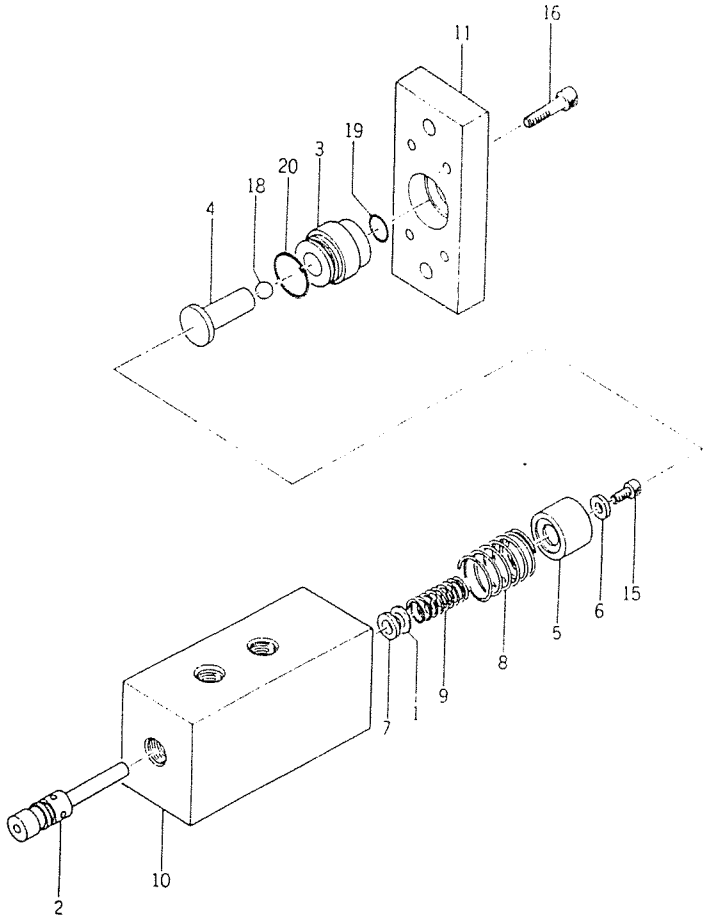
629-71700002

VALVE-PILOT



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
1	629-71701001	SHIM	AR			
2	629-71702001	SPOOL	1			
3	629-71703001	SOCKET	1			
4	629-71704001	PUSHER	1			
5	629-71705001	SLEEVE	1			
6	629-71706001	WASHER	1			
7	629-71707001	HOLDER-SPRING	1			
8	629-71708001	SPRING	1			
9	629-71709001	SPRING	1			
10	629-71710001	HOUSING	1			
11	629-71711001	COVER	1			
15	629-72420001	BOLT-HEXAGON SOCKET	1			
16	001-10506025	BOLT-HEXAGON SOCKET	4			
18	629-33513001	BALL-STEEL	1			
19	001-36110100	O-RING	1			
20	001-36110160	O-RING	1			

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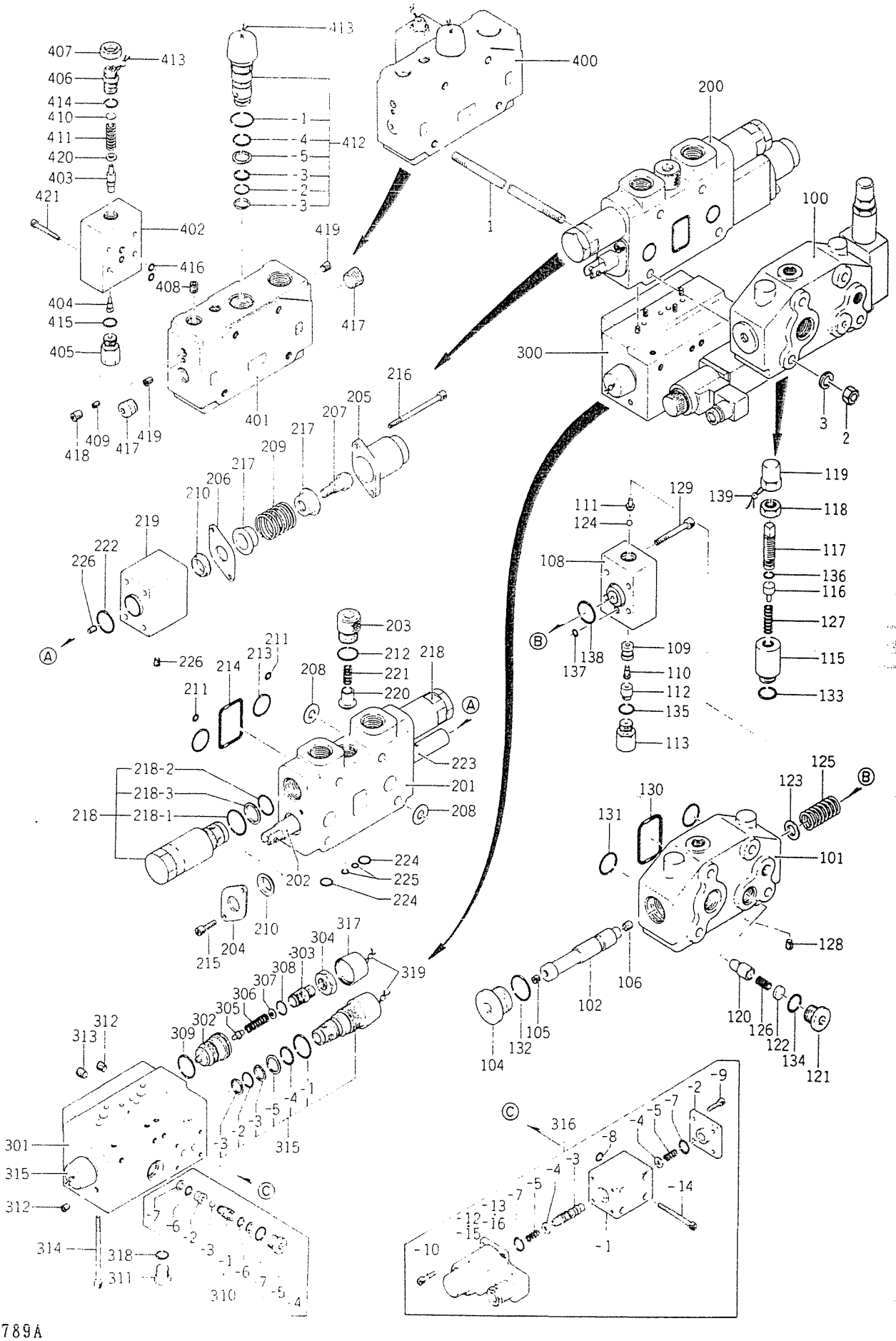
629-79300003

VALVE-CONTROL



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629-79300003

VALVE-CONTROL

REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	629-76505001	BOLT-STUD	4			
2	629-37255001	NUT	4			
3	001-12112002	WASHER-SPRING	4			
100	629-76500101	COVER(P) SECTION	1			
101	629-76501101	COVER(P)	1			
102	629-76502101	SPOOL	1			
104	629-41056011	PLUG(PF1)	1			
105	629-76505101	ORIFICE	1			
106	629-76506101	ORIFICE	1			
108	629-76508101	BODY-PILOT	1			
109	629-40431001	SEAT-PILOT	1			
110	629-40430001	PISTON-CONTROL	1			
111	639-17106001	RETAINER	1			
112	629-76512101	RETAINER	1			
113	629-49654002	BUSHING	1			
115	639-17110001	GUIDE-SCREW	1			
116	639-17109001	SEAT-SPRING	1			
117	629-36913001	SCREW-ADJUST	1			
118	639-16609001	NUT-LOCK	1			
119	639-51414001	NUT-CAP	1			
120	629-34736011	PLUNGER	1			
121	629-78526001	PLUG	1			
122	629-76522101	PIECE-DISTANCE	1			
123	001-12212000	WASHER	1			
124	639-40622001	BALL-STEEL	1			
125	629-76525101	SPRING	1			
126	629-34764011	SPRING	1			
127	639-17111001	SPRING	1			
128	639-48512001	PLUG	1			
129	001-10508050	BOLT-HEXAGON SOCKET	4			
130	629-50951000	O-RING	1			
131	629-50574001	O-RING	2			
132	001-36120290	O-RING	1			
133	001-36110220	O-RING	1			
134	001-36110180	O-RING	1			
135	001-36120140	O-RING	1			
136	001-36110101	O-RING	1			
137	001-36110060	O-RING	1			
138	629-53313201	O-RING	1			
139	639-16823001	WIRE	1			
200	629-76500203	BODY SECTION	1			
201	629-76501201	BODY	1			
202	629-76502202	SPOOL(AAL)	1			
203	629-40332002	PLUG	1			
204	629-49617002	COVER	1			
205	629-44519001	COVER-REAR	1			
206	629-50918001	PLATE	1			
207	629-42210001	END-SPOOL	1			
208	629-36905001	SHIM	8			

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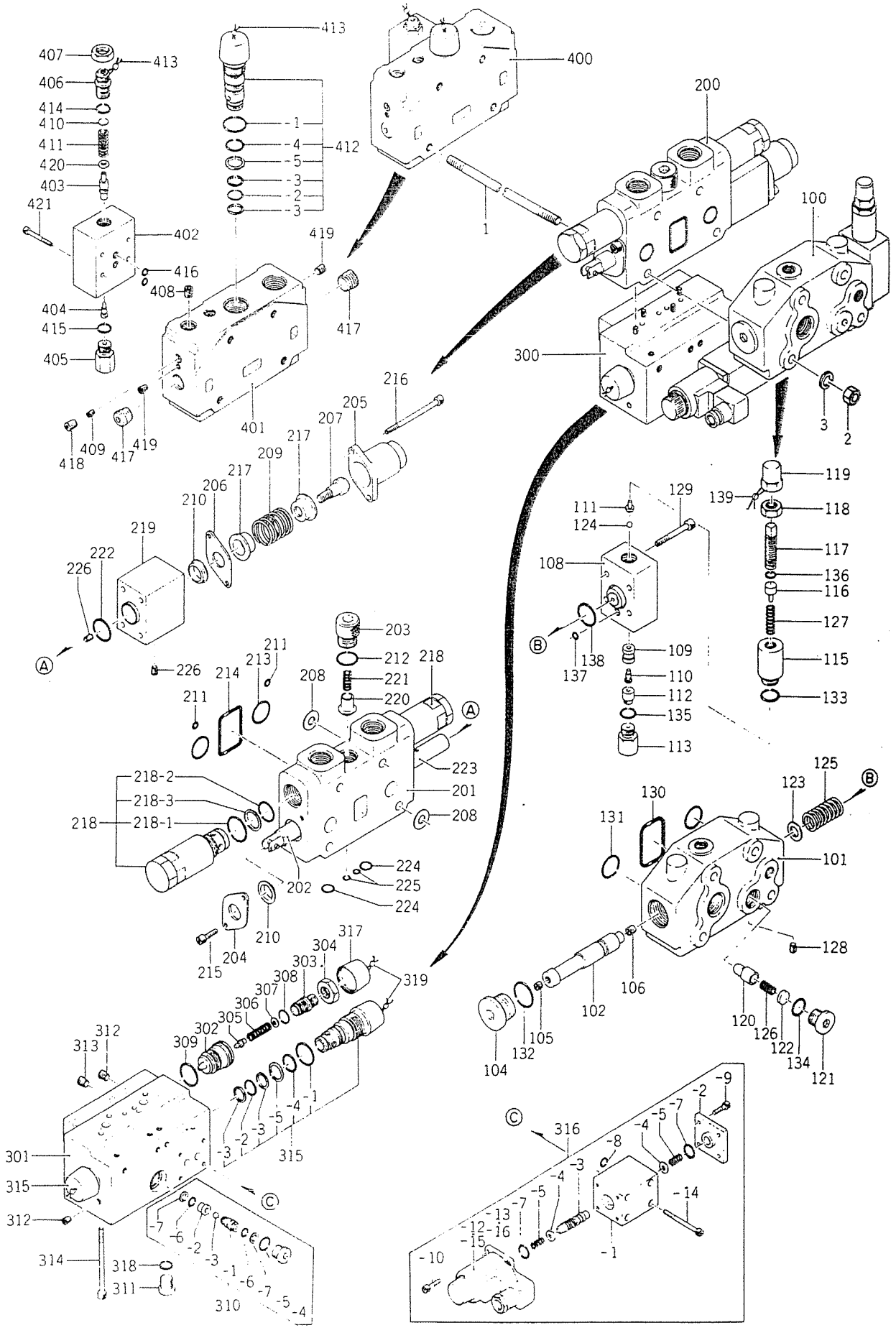
629-79300003

VALVE-CONTROL



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629-79300003

VALVE-CONTROL

REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
209	629-55023001	SPRING	1			
210	629-34794021	PACKING	2			
211	001-36110050	O-RING	2			
212	001-36120210	O-RING	1			
213	629-50574001	O-RING	2			
214	629-50951000	O-RING	1			
215	001-10508014	BOLT-HEXAGON SOCKET	2			
216	001-10508085	BOLT-HEXAGON SOCKET	4			
217	629-40338002	SEAT-SPRING	2			
218	629-77600701	ANTICAVITATION VALVE	2			
- 1	009-46001030	O-RING	1			
- 2	001-36110210	O-RING	1			
- 3	001-37102102	RING-BACK UP	1			
219	629-76519201	COVER	1			
220	629-44526001	PLUNGER-CHECK	1			
221	629-36867001	SPRING	1			
222	629-76522201	O-RING	1			
223	629-76523203	SPOOL	1			
224	001-36120140	O-RING	2			
225	001-36120060	O-RING	2			
226	639-48512001	PLUG	2			
300	629-76500301	BRAKE VALVE SECTION	1			
301	629-77201101	BODY	1			
302	639-25805001	SEAT-VALVE	1			
303	639-40005001	SCREW-ADJUST	1			
304	639-40006001	NUT	1			
305	609-37112401	POPPET	1			
306	629-76506301	SPRING	1			
307	639-40009001	SHIM	1			
308	629-53352001	O-RING	1			
309	639-12812003	O-RING	1			
310	629-77600901	SHUTTLE VALVE ASSY	1			
- 1	629-77601901	GUIDE	1			
- 2	629-77602901	SEAT-VALVE	1			
- 3	629-24820001	BALL-STEEL	1			
- 4	629-77604901	PLUG	1			
- 5	629-77605901	O-RING	1			
- 6	629-77606901	O-RING	2			
- 7	629-77607901	RING-BACK UP	2			
311	629-20826011	PLUG	1			
312	639-48512001	PLUG	14			
313	001-60902002	PLUG	4			
314	629-77214101	BOLT-HEXAGON SOCKET	4			
315	629-77600801	RELIEF VALVE ASSY	2			
- 1	639-12812003	O-RING	1			
- 2	009-46301012	O-RING	1			
- 3	639-12810003	RING-BACK UP	2			
- 4	009-46301013	O-RING	1			
- 5	639-12811003	RING-BACK UP	1			
316	629-76500501	SOLENOID VALVE ASSY	1			

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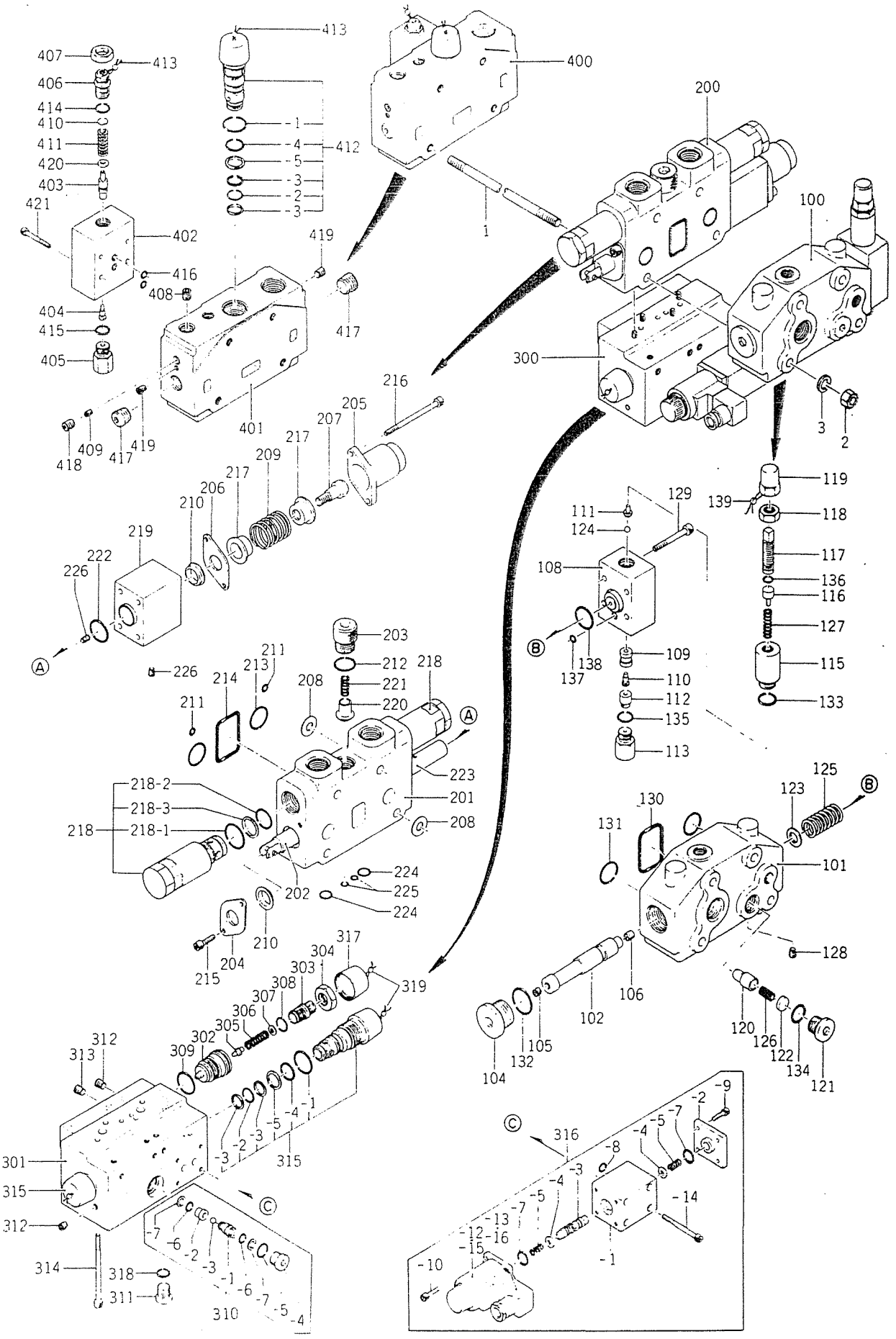
629-79300003

VALVE-CONTROL



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629-79300003

VALVE-CONTROL

REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
- 1	629-24501001	BODY	1			
- 2	629-24502001	COVER	1			
- 3	629-76503501	SPOOL(A)	1			
- 4	629-24506001	SEAT-SPRING	2			
- 5	629-24505001	SPRING	2			
- 7	629-24507001	O-RING	2			
- 8	009-46302007	O-RING	4			
- 9	629-24511001	BOLT-HEXAGON SOCKET	4			
- 10	629-24512001	BOLT-HEXAGON SOCKET	4			
- 12	629-76512501	SOLENOID	1			
- 13	629-13213101	CONNECTOR(A)	1			
- 14	629-24510001	BOLT-HEXAGON SOCKET	4			
- 15	629-24616001	O-RING	2			
- 16	629-76516501	ABSORBER-SURGE	1			
317	629-77217101	CAP	1			
318	001-36110110	O-RING	1			
319	639-16823001	WIRE	3			
400	629-76500401	COVER(T) SECTION	1			
401	629-76501401	COVER(T)	1			
402	629-76502401	BODY	1			
403	629-76503401	SPOOL	1			
404	629-40430001	PISTON-CONTROL	1			
405	629-49654002	BUSHING	1			
406	639-40005001	SCREW-ADJUST	1			
407	639-40006001	NUT	1			
408	629-77624401	ORIFICE	1			
409	629-76509401	ORIFICE	1			
410	639-40009001	SHIM	1			
411	639-25808001	SPRING	1			
412	629-53300101	VALVE(PC) ASSY	1			
- 1	639-12812003	O-RING	1			
- 2	009-46301012	O-RING	1			
- 3	639-12810003	RING-BACK UP	2			
- 4	009-46301013	O-RING	1			
- 5	639-12811003	RING-BACK UP	1			
413	639-16823001	WIRE	2			
414	629-53352001	O-RING	1			
415	001-36120140	O-RING	1			
416	001-36120050	O-RING	2			
417	001-60908002	PLUG	2			
418	001-60902002	PLUG	1			
419	639-48512001	PLUG	2			
420	001-12206000	WASHER	1			
421	629-76521401	BOLT-HEXAGON SOCKET	4			

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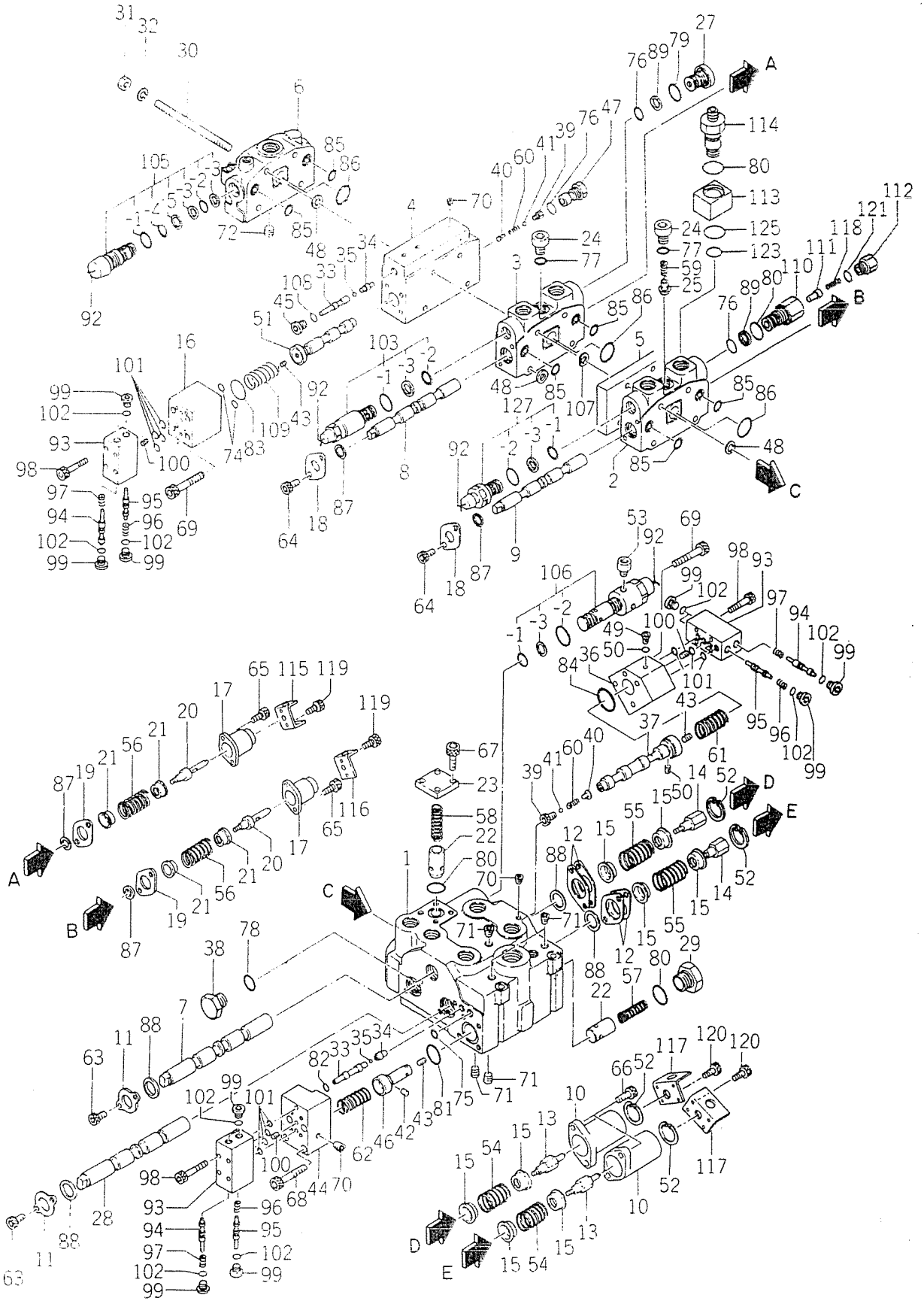
629-79400007

VALVE-CONTROL



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629-79400007

VALVE-CONTROL

REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	629-55001001	BODY	1			
2	629-44503022	BODY	1			
3	629-78203001	BODY	1			
4	629-78204001	BLOCK-VALVE	1			
5	629-44686011	PLATE-TANDEM	1			
6	629-53005001	COVER	1			
7	629-78207001	SPOOL(YJ)	1			
8	629-78208001	SPOOL(CFG)	1			
9	629-78209001	SPOOL(LD)	1			
10	629-55007001	COVER	2			
11	629-55008001	COVER	2			
12	629-39809001	PLATE	4			
13	629-55011001	END-SPOOL	2			
14	629-44546001	CONNECTOR	2			
15	629-37515002	RETAINER	8			
16	629-78216001	COVER	1			
17	629-55018001	COVER	2			
18	629-49617002	COVER	2			
19	629-50918001	PLATE	2			
20	629-55021001	END-SPOOL	2			
21	629-40338002	SEAT-SPRING	4			
22	629-60102001	PLUNGER-CHECK	2			
23	629-78223001	FLANGE	1			
24	629-40332002	PLUG	2			
25	629-44526001	PLUNGER-CHECK	1			
27	629-31545001	PLUG	1			
28	629-78228001	SPOOL(YG)	1			
29	629-55024001	PLUG	1			
30	629-19407001	BOLT-STUD	4			
31	629-37255001	NUT	4			
32	001-12112002	WASHER-SPRING	4			
33	629-55039001	BARREL	3			
34	629-55040001	SEAT-VALVE	3			
35	629-55041001	BALL-STEEL	3			
36	629-77142001	COVER	1			
37	629-55043001	SPOOL(K2)	1			
38	629-55045001	PLUG	1			
39	629-55046001	PLUG	2			
40	629-55047001	RETAINER	2			
41	639-40622001	BALL-STEEL	2			
42	629-55050001	ORIFICE	1			
43	629-50612001	ORIFICE	3			
44	629-55054001	COVER	1			
45	629-20826011	PLUG	1			
46	629-55055001	SPOOL(L1)	1			
47	629-78247001	PLUG	1			
48	629-36905001	SHIM	18			
49	639-48208001	PLUG	1			
50	001-36120080	O-RING	1			
51	629-78251001	SPOOL(M3)	1			
52	629-90516001	RING-SNAP(H)	4			
53	629-37529011	BUSHING	1			
54	629-31570001	SPRING	2			

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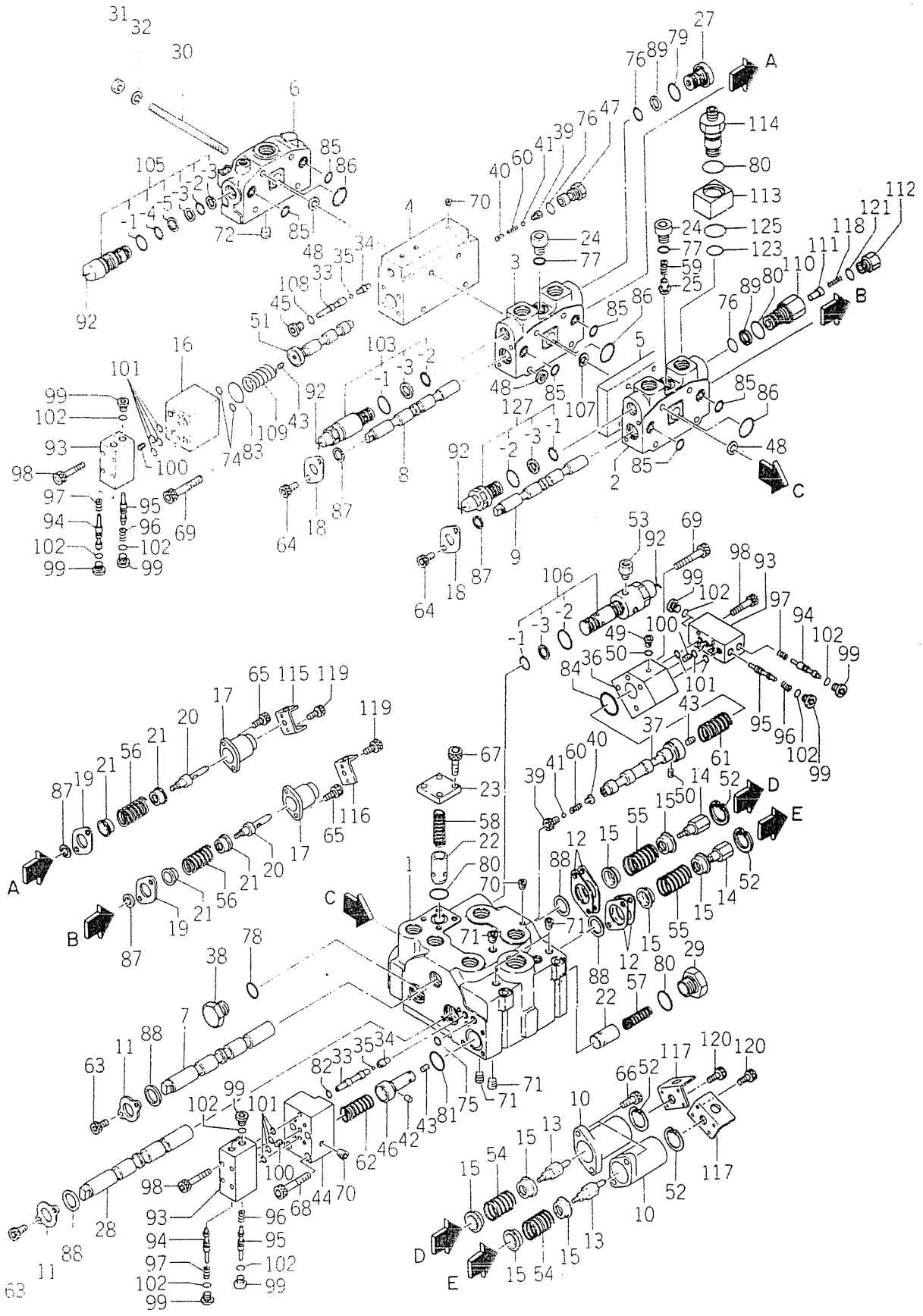
629-79400007

VALVE-CONTROL



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629-79400007

VALVE-CONTROL

REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
55	629-36868001	SPRING	2			
56	629-36866001	SPRING	2			
57	629-37137001	SPRING	1			
58	629-55028001	SPRING	1			
59	629-36867001	SPRING	1			
60	629-55048001	SPRING	2			
61	629-55052001	SPRING	1			
62	629-55057001	SPRING	1			
63	001-10506010	BOLT-HEXAGON SOCKET	4			
64	001-10508014	BOLT-HEXAGON SOCKET	4			
65	001-10508020	BOLT-HEXAGON SOCKET	4			
66	001-10508025	BOLT-HEXAGON SOCKET	4			
67	001-10510035	BOLT-HEXAGON SOCKET	4			
68	001-10510060	BOLT-HEXAGON SOCKET	4			
69	001-10510075	BOLT-HEXAGON SOCKET	8			
70	639-48512001	PLUG	7			
71	001-60906002	PLUG	10			
72	001-60908002	PLUG	1			
73	001-36120050	O-RING	2			
74	001-36120090	O-RING	2			
75	001-36110100	O-RING	2			
76	001-36110210	O-RING	3			
77	001-36120210	O-RING	2			
78	001-36120290	O-RING	1			
79	009-46001030	O-RING	2			
80	009-46002030	O-RING	4			
81	009-46002040	O-RING	1			
82	629-55078001	O-RING	2			
83	629-78252001	O-RING	1			
84	629-53088001	O-RING	1			
85	629-50574001	O-RING	10			
86	629-50951000	O-RING	5			
87	629-34794021	PACKING	4			
88	629-55085001	PACKING	4			
89	001-37102102	RING-BACK UP	2			
92	639-16823001	WIRE	4			
93	629-78253001	BODY-PILOT	3			
94	629-78254001	SPOOL	3			
95	629-78255001	SPOOL	3			
96	639-32309001	SPRING	3			
97	639-32308001	SPRING	3			
98	609-37115501	BOLT-HEXAGON SOCKET	12			
99	629-20826011	PLUG	12			
100	639-32305001	ORIFICE	3			
101	001-36120090	O-RING	12			
102	001-36120110	O-RING	12			
103	629-78200101	RELIEF VALVE ASSY	1			
- 1	009-46001030	O-RING	1			
- 2	001-36110210	O-RING	1			
- 3	001-37102102	RING-BACK UP	1			
105	629-32800111	RELIEF VALVE ASSY	1			
- 1	639-12812003	O-RING	1			

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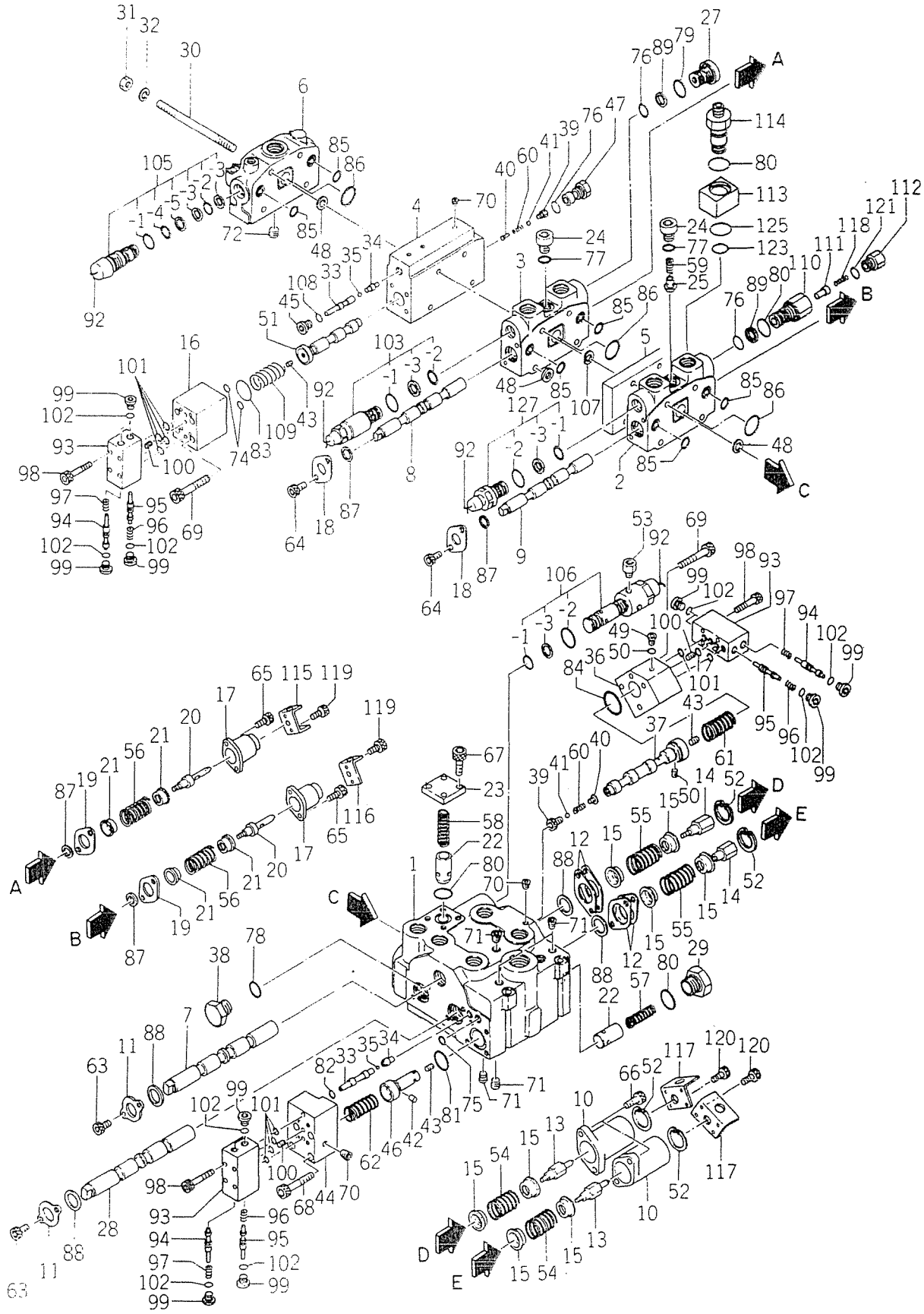
629-79400007

VALVE-CONTROL



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VALVE-CONTROL

REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
- 2	009-46301012	O-RING	1			
- 3	639-12810003	RING-BACK UP	2			
- 4	009-46301013	O-RING	1			
- 5	639-12811003	RING-BACK UP	1			
106	669-10107001	RELIEF VALVE ASSY	1			
- 1	001-36110221	O-RING	1			
- 2	009-46001035	O-RING	1			
- 3	001-37102212	RING-BACK UP	1			
107	629-78256001	SHIM	2			
108	001-36120110	O-RING	1			
109	629-78257001	SPRING	1			
110	629-78258001	BODY	1			
111	629-77604401	PISTON	1			
112	629-78259001	BUSHING	1			
113	629-78260001	PLATE	1			
114	629-78261001	BUSHING	1			
115	629-78262001	BRACKET	1			
116	629-78263001	BRACKET	1			
117	629-78264001	BRACKET	2			
118	629-77605401	SPRING	1			
119	629-78265001	BOLT-HEXAGON SOCKET	4			
120	629-53390021	BOLT-HEXAGON SOCKET	8			
121	001-36120180	O-RING	1			
123	001-36120240	O-RING	1			
125	009-46002035	O-RING	1			
127	629-55000101	RELIEF VALVE ASSY	1			
- 1	001-36110210	O-RING	1			
- 2	629-55001401	O-RING	1			
- 3	001-37102102	RING-BACK UP	1			

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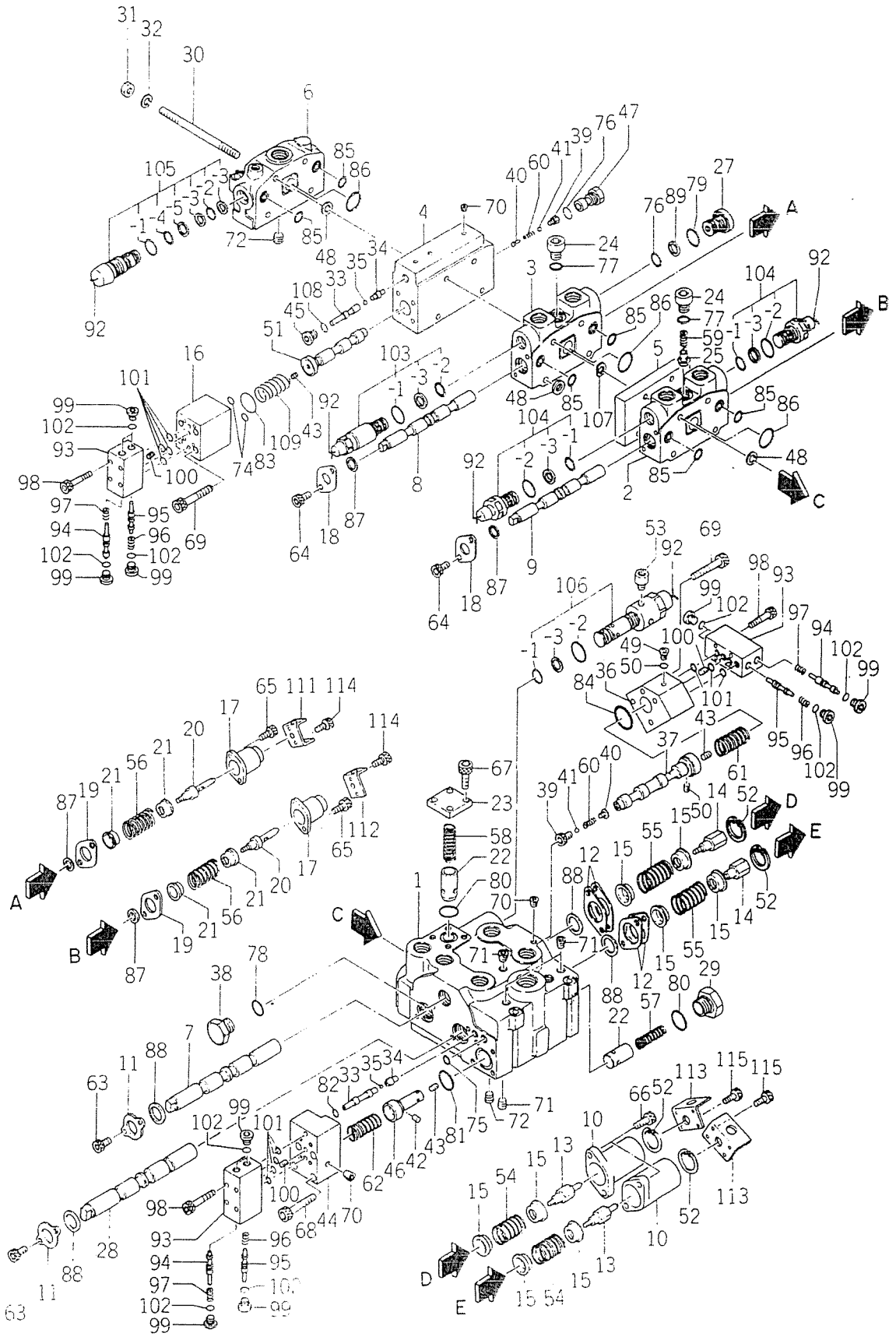
629-79500006

VALVE-CONTROL



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629-79500006

VALVE-CONTROL

REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	629-55001001	BODY	1			
2	629-44503022	BODY	1			
3	629-78203001	BODY	1			
4	629-78204001	BLOCK-VALVE	1			
5	629-44686011	PLATE-TANDEM	1			
6	629-53005001	COVER	1			
7	629-78207001	SPOOL(YJ)	1			
8	629-78208001	SPOOL(CFG)	1			
9	629-78209001	SPOOL(LD)	1			
10	629-55007001	COVER	2			
11	629-55008001	COVER	2			
12	629-39809001	PLATE	4			
13	629-55011001	END-SPOOL	2			
14	629-44546001	CONNECTOR	2			
15	629-37515002	RETAINER	8			
16	629-78216001	COVER	1			
17	629-55018001	COVER	2			
18	629-49617002	COVER	2			
19	629-50918001	PLATE	2			
20	629-55021001	END-SPOOL	2			
21	629-40338002	SEAT-SPRING	4			
22	629-60102001	PLUNGER-CHECK	2			
23	629-78223001	FLANGE	1			
24	629-40332002	PLUG	2			
25	629-44526001	PLUNGER-CHECK	1			
27	629-31545001	PLUG	2			
28	629-78228001	SPOOL(YG)	1			
29	629-55024001	PLUG	1			
30	629-19407001	BOLT-STUD	4			
31	629-37255001	NUT	4			
32	001-12112002	WASHER-SPRING	4			
33	629-55039001	BARREL	3			
34	629-55040001	SEAT-VALVE	3			
35	629-55041001	BALL-STEEL	3			
36	629-77142001	COVER	1			
37	629-55043001	SPOOL(K2)	1			
38	629-55045001	PLUG	1			
39	629-55046001	PLUG	2			
40	629-55047001	RETAINER	2			
41	639-40622001	BALL-STEEL	2			
42	629-55050001	ORIFICE	1			
43	629-50612001	ORIFICE	3			
44	629-55054001	COVER	1			
45	629-20826011	PLUG	1			
46	629-55055001	SPOOL(L1)	1			
47	629-78247001	PLUG	1			
48	629-36905001	SHIM	18			
49	639-48208001	PLUG	1			
50	001-36120080	O-RING	1			
51	629-78251001	SPOOL(M3)	1			
52	629-90516001	RING-SNAP(H)	4			
53	629-37529011	BUSHING	1			
54	629-31570001	SPRING	2			

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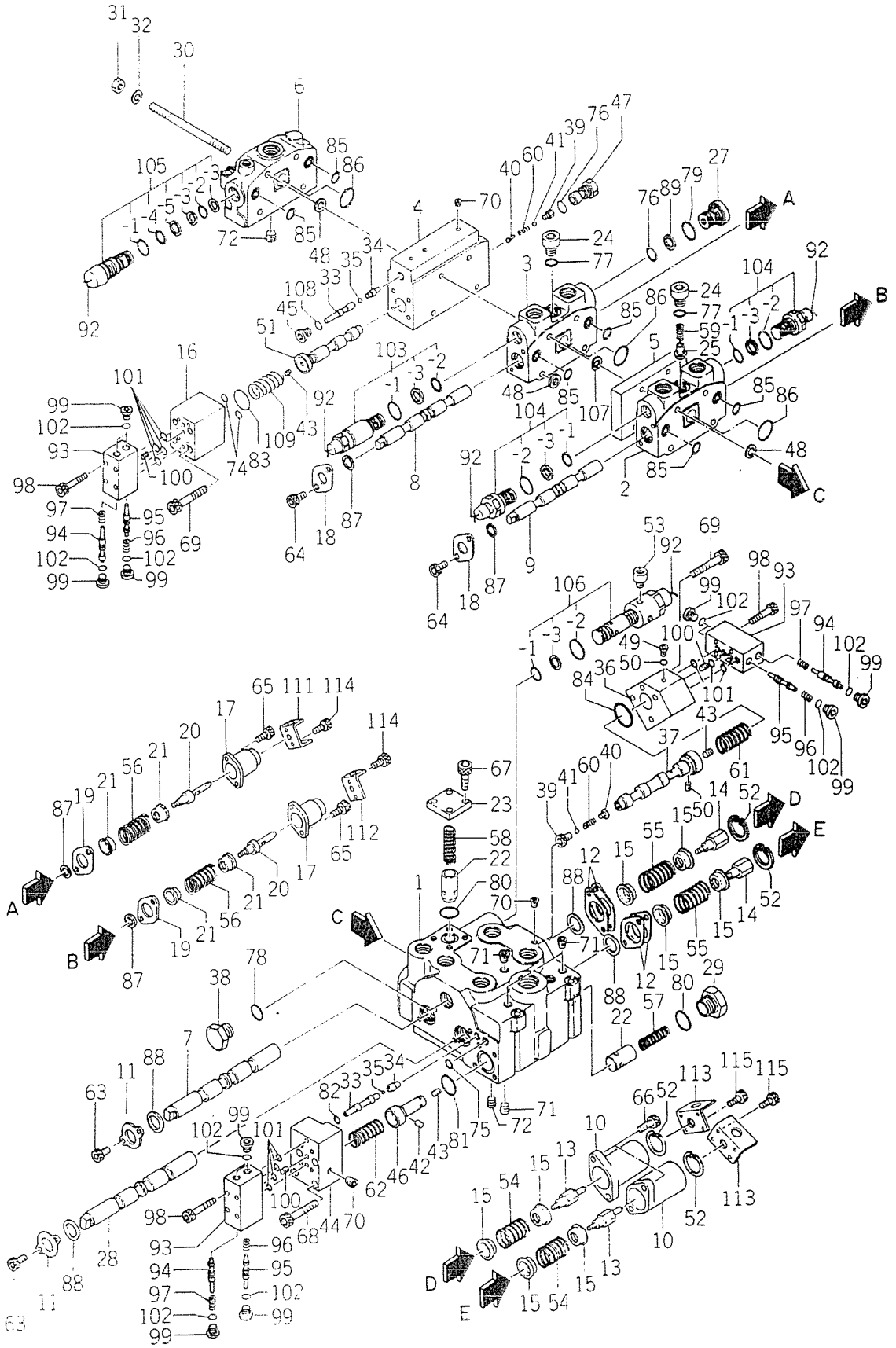
629-79500006

VALVE-CONTROL



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629-79500006

VALVE-CONTROL

REF. NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
55	629-36868001	SPRING	2			
56	629-36866001	SPRING	2			
57	629-37137001	SPRING	1			
58	629-55028001	SPRING	1			
59	629-36867001	SPRING	1			
60	629-55048001	SPRING	2			
61	629-55052001	SPRING	1			
62	629-55057001	SPRING	1			
63	001-10506010	BOLT-HEXAGON SOCKET	4			
64	001-10508014	BOLT-HEXAGON SOCKET	4			
65	001-10508020	BOLT-HEXAGON SOCKET	4			
66	001-10508025	BOLT-HEXAGON SOCKET	4			
67	001-10510035	BOLT-HEXAGON SOCKET	4			
68	001-10510060	BOLT-HEXAGON SOCKET	4			
69	001-10510075	BOLT-HEXAGON SOCKET	8			
70	639-48512001	PLUG	7			
71	001-60906002	PLUG	10			
72	001-60908002	PLUG	1			
73	001-36120050	O-RING	2			
74	001-36120090	O-RING	2			
75	001-36110100	O-RING	2			
76	001-36110210	O-RING	3			
77	001-36120210	O-RING	2			
78	001-36120290	O-RING	1			
79	009-46001030	O-RING	2			
80	009-46002030	O-RING	2			
81	009-46002040	O-RING	1			
82	629-55078001	O-RING	2			
83	629-78252001	O-RING	1			
84	629-53088001	O-RING	1			
85	629-50574001	O-RING	10			
86	629-50951000	O-RING	5			
87	629-34794021	PACKING	4			
88	629-55085001	PACKING	4			
89	001-37102102	RING-BACK UP	2			
92	639-16823001	WIRE	4			
93	629-78253001	BODY-PILOT	3			
94	629-78254001	SPOOL	3			
95	629-78255001	SPOOL	3			
96	639-32309001	SPRING	3			
97	639-32308001	SPRING	3			
98	609-37115501	BOLT-HEXAGON SOCKET	12			
99	629-20826011	PLUG	12			
100	639-32305001	ORIFICE	3			
101	001-36120090	O-RING	12			
102	001-36120110	O-RING	12			
103	629-78200101	RELIEF VALVE ASSY	1			
- 1	009-46001030	O-RING	1			
- 2	001-36110210	O-RING	1			
- 3	001-37102102	RING-BACK UP	1			
104	629-55000101	RELIEF VALVE ASSY	1			
- 1	001-36110210	O-RING	1			

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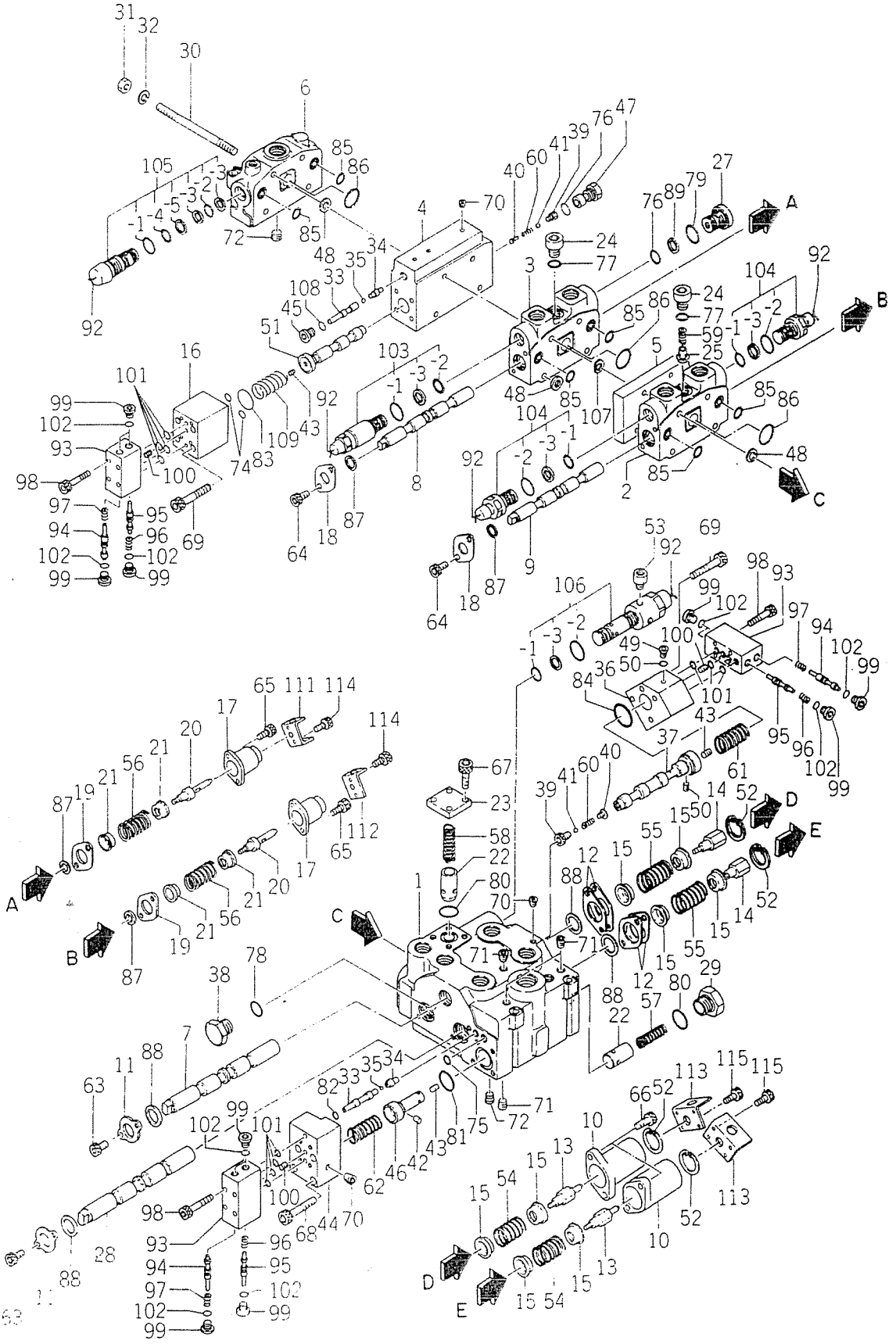
629-79500006

VALVE-CONTROL



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629-79500006

VALVE-CONTROL

REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
- 2	629-55001401	O-RING	1			
- 3	001-37102102	RING-BACK UP	1			
105	629-32800111	RELIEF VALVE ASSY	1			
- 1	639-12812003	O-RING	1			
- 2	009-46301012	O-RING	1			
- 3	639-12810003	RING-BACK UP	2			
- 4	009-46301013	O-RING	1			
- 5	639-12811003	RING-BACK UP	1			
106	669-10107001	RELIEF VALVE ASSY	1			
- 1	001-36110221	O-RING	1			
- 2	009-46001035	O-RING	1			
- 3	001-37102212	RING-BACK UP	1			
107	629-78256001	SHIM	2			
108	001-36120110	O-RING	1			
109	629-78257001	SPRING	1			
111	629-78262001	BRACKET	1			
112	629-78263001	BRACKET	1			
113	629-78264001	BRACKET	2			
114	629-78265001	BOLT-HEXAGON SOCKET	4			
115	629-53390021	BOLT-HEXAGON SOCKET	8			

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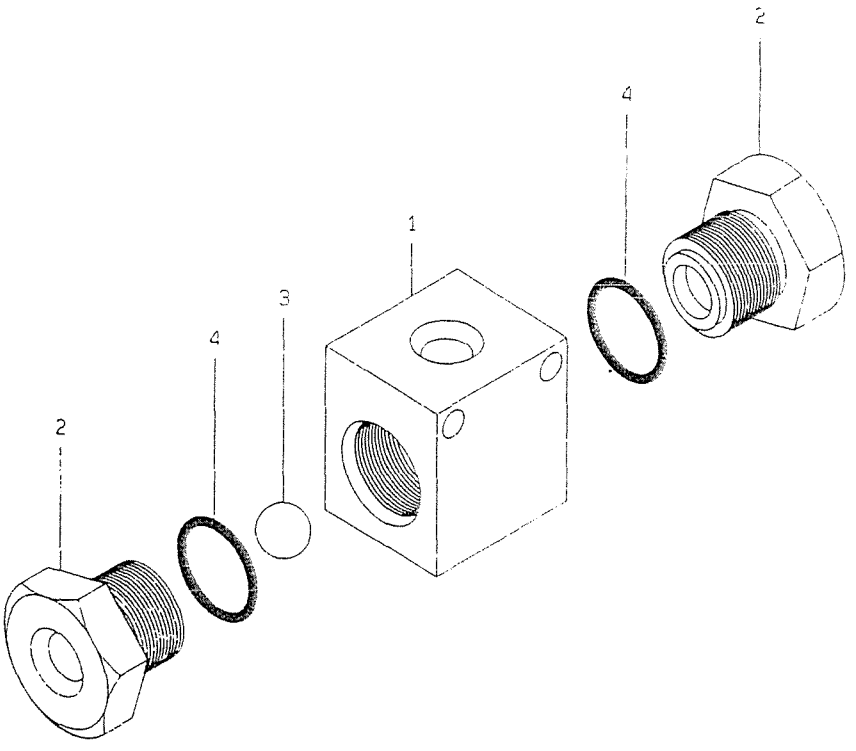
629-80900001

VALVE-SHUTTLE



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	629-80901001	BODY	1			
2	629-80902001	PLUG	2			
3	629-80903001	BALL-STEEL	1			
4	001-36120200	O-RING	2			

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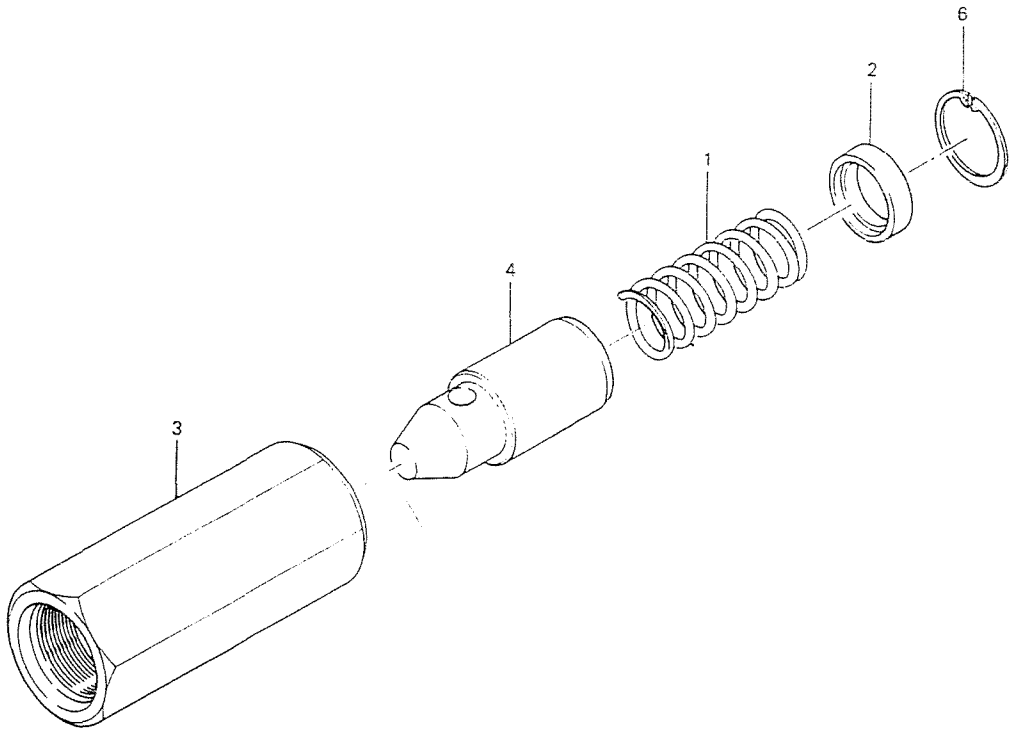
629-81600001

VALVE-INLINE CHECK



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	629-81601001	SPRING	1			
2	629-81602001	WASHER	1			
3	629-81603001	CASE	1			
4	629-56145001	PLUNGER	1			
6	629-56182001	RING-SNAP	1			

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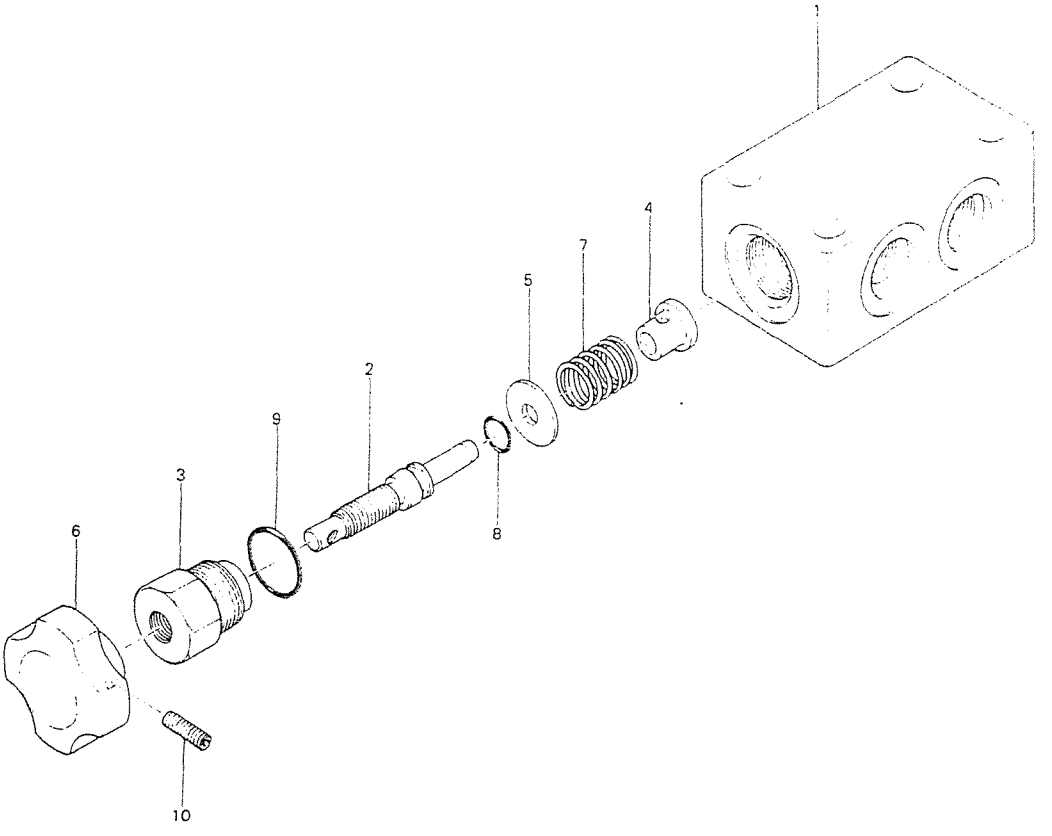
629-81900001

VALVE-THROTTLE CHECK



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	629-81901001	BODY-VALVE	1			
2	629-81902001	SCREW-ADJUST	1			
3	629-81903001	CAP	1			
4	629-81904001	POPPET	1			
5	629-81905001	WASHER	1			
6	629-81906001	HANDLE	1			
7	629-81907001	SPRING	1			
8	009-46301005	O-RING	1			
9	009-46301012	O-RING	1			
10	629-81910001	SCREW-SET	1			

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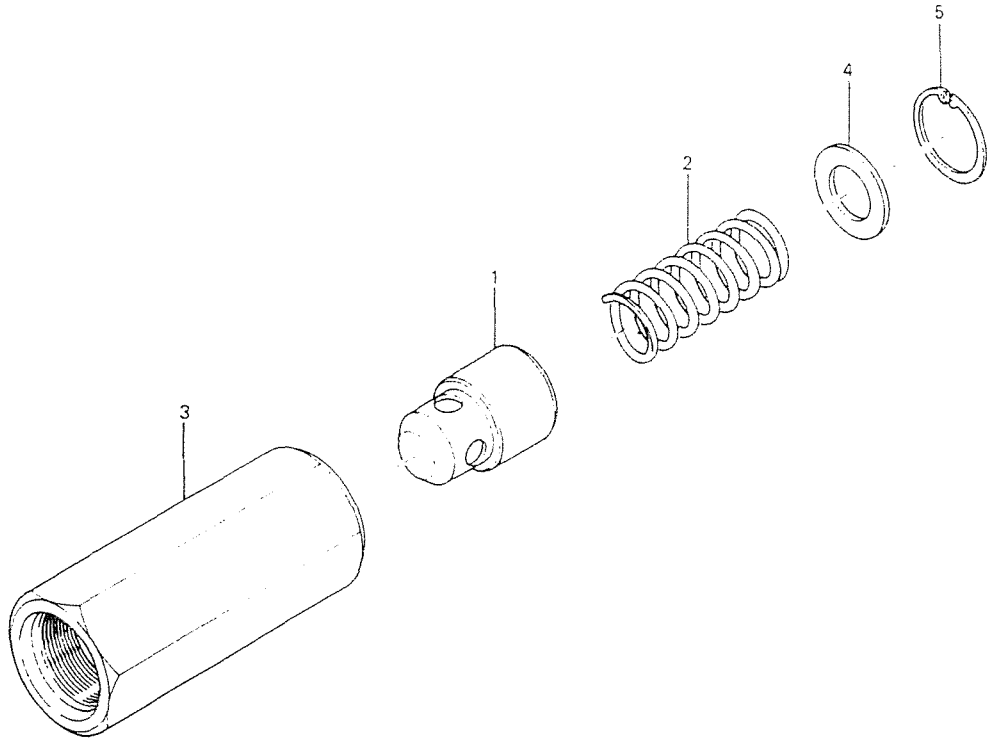
629-83000001

VALVE-INLINE CHECK



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	629-83001001	PLUNGER	1			
2	629-83002001	SPRING	1			
3	629-83003001	CASE	1			
4	629-83004001	WASHER	1			
5	629-83005001	RING-SNAP	1			

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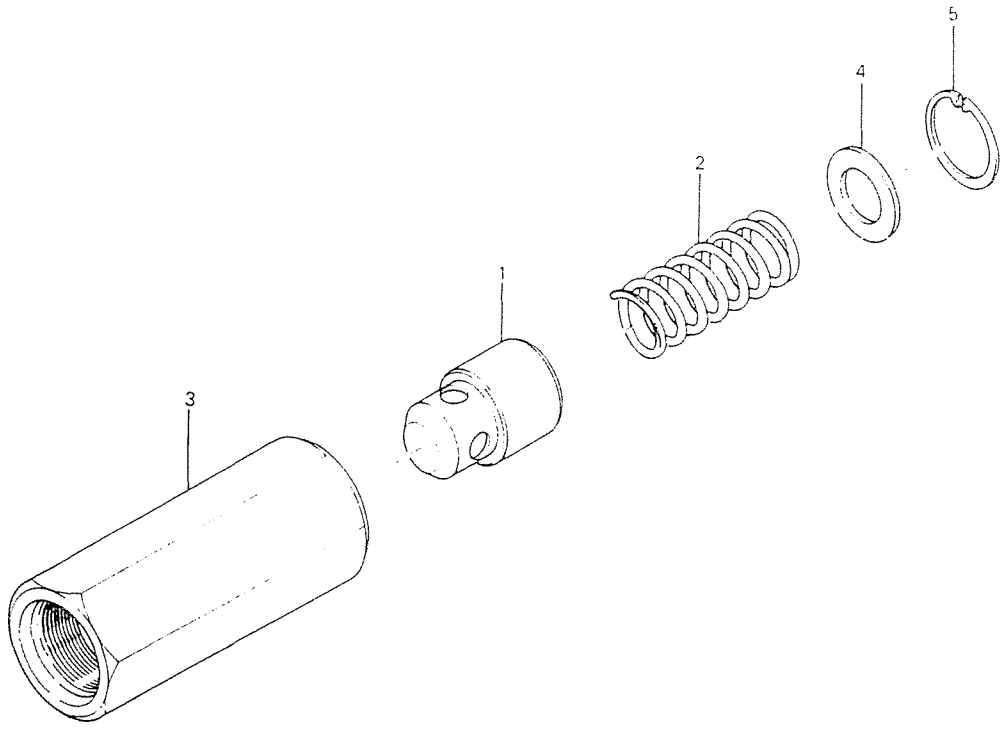
629-83100001

VALVE-INLINE CHECK



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	629-83001001	PLUNGER	1			
2	629-83102001	SPRING	1			
3	629-83003001	CASE	1			
4	629-83004001	WASHER	1			
5	629-83005001	RING-SNAP	1			

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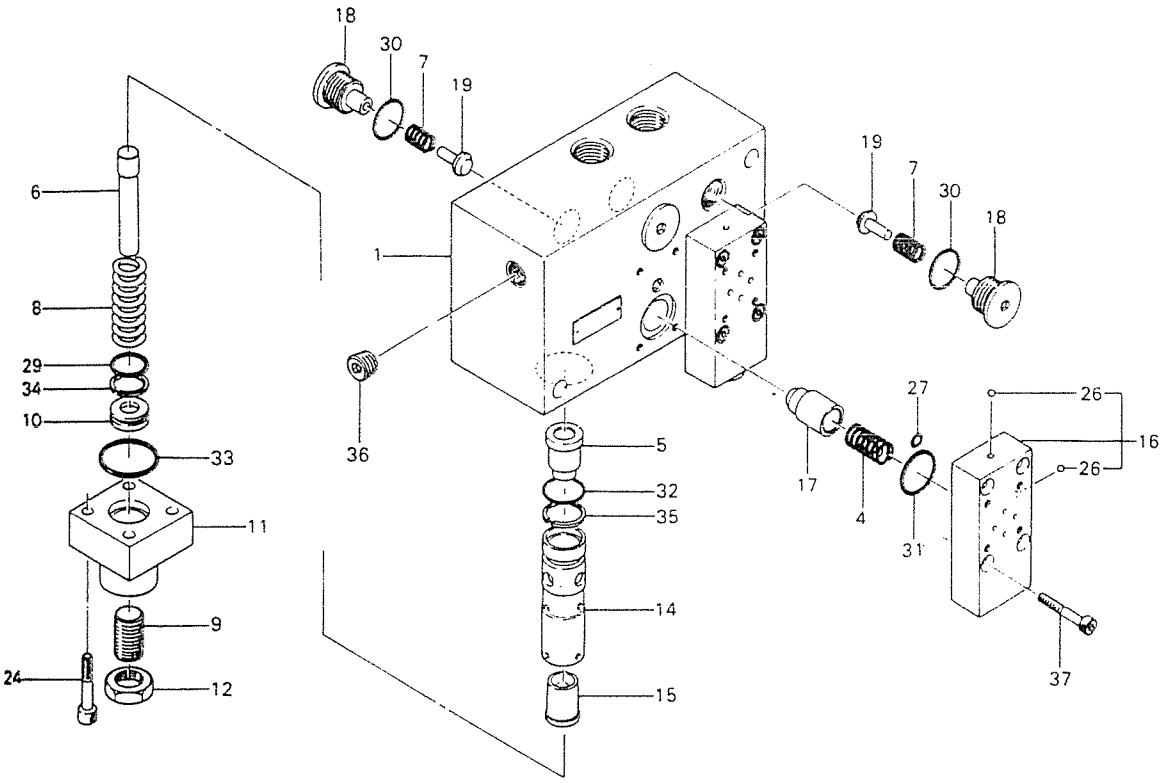
629-84200011

VALVE-CHECK BLOCK



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
1	629-84201001	BODY	1			
4	629-84204001	SPRING	2			
5	629-84205001	SEAT	1			
6	629-84206001	PISTON	1			
7	629-84207001	SPRING	4			
8	629-84208001	SPRING	1			
9	629-84209001	SCREW-ADJUST	1			
10	629-84310002	PLUG	1			
11	629-84211001	COVER	1			
12	629-84212001	NUT	1			
14	629-84214001	SLEEVE	1			
15	629-84215001	POPPET	1			
16	629-95216001	PLATE-SUB	2			
17	629-84217001	PLUNGER	2			
18	629-84218001	PLUG	4			
19	629-84219001	CHECK	4			
24	001-10510045	BOLT-HEXAGON SOCKET	4			
26	629-57318001	BALL-STEEL	6			
27	001-36120070	O-RING	2			
29	001-36120210	O-RING	1			
30	001-36120240	O-RING	4			
31	001-36120280	O-RING	2			
32	009-46002025	O-RING	1			

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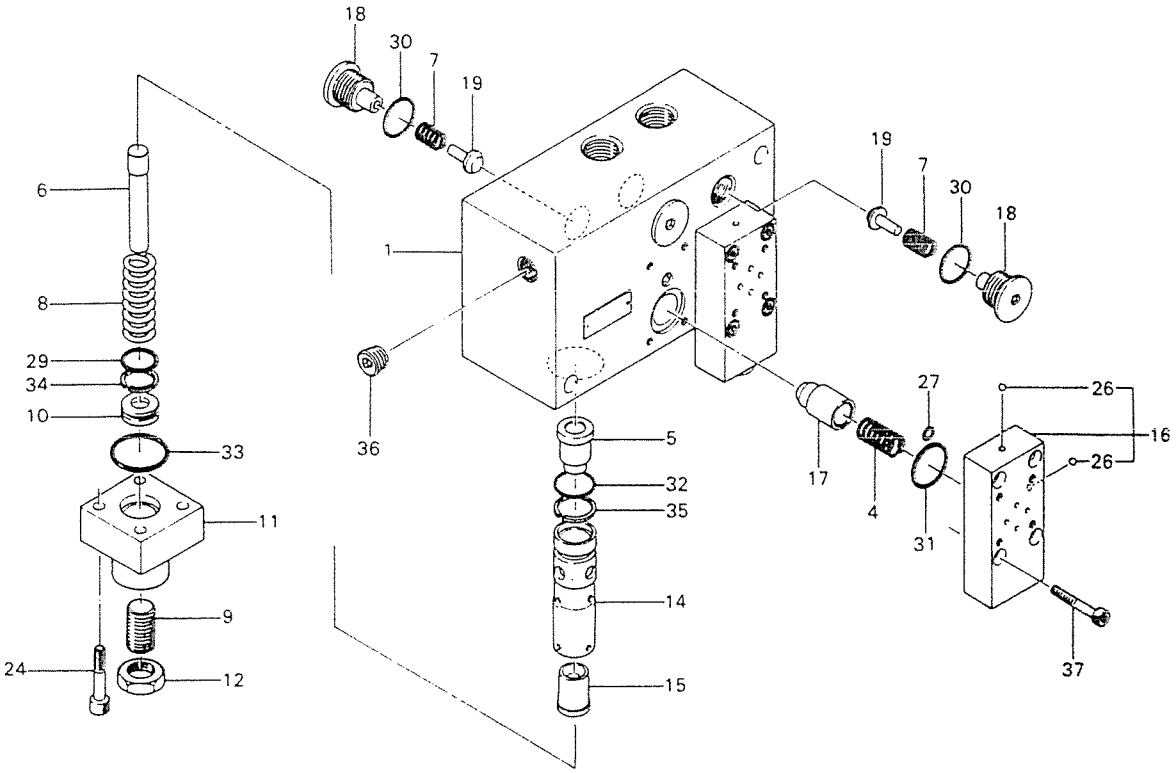
629-84200011

VALVE-CHECK BLOCK



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
33	009-46002035	O-RING	1			
34	001-37102102	RING-BACK UP	1			
35	009-47002502	RING-BACK UP	1			
36	001-60908002	PLUG	1			
37	001-10508020	BOLT-HEXAGON SOCKET	8			

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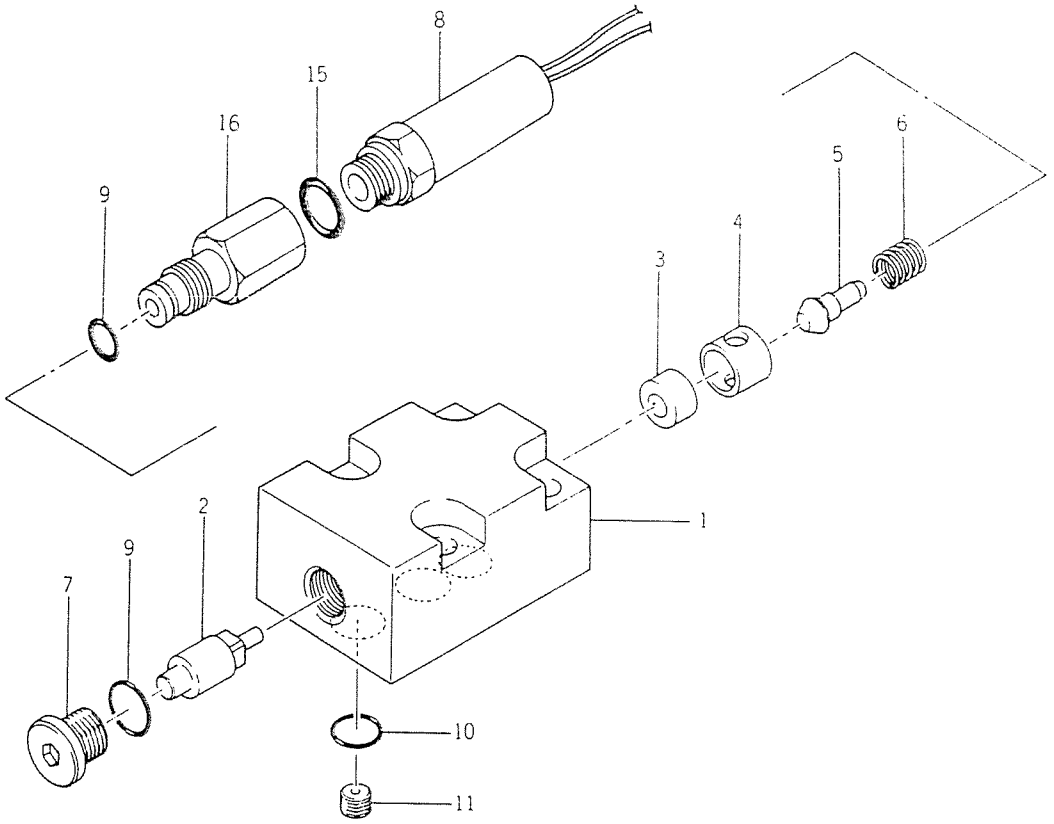
629-86600011

VALVE-PILOT CHECK



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	629-86501001	BODY	1			
2	629-86602011	PISTON	1			
3	629-86603011	SEAT	1			
4	629-86504001	RETAINER	1			
5	629-86605011	POPPET	1			
6	629-86506001	SPRING	1			
7	629-84001001	PLUG	1			
8	629-86608011	SWITCT-PRESSURE	1			
9	001-36120140	O-RING	2			
10	001-36120120	O-RING	3			
11	629-86511001	ORIFICE	1			
15	009-46202008	O-RING	1			
16	629-86615011	ADAPTER	1			

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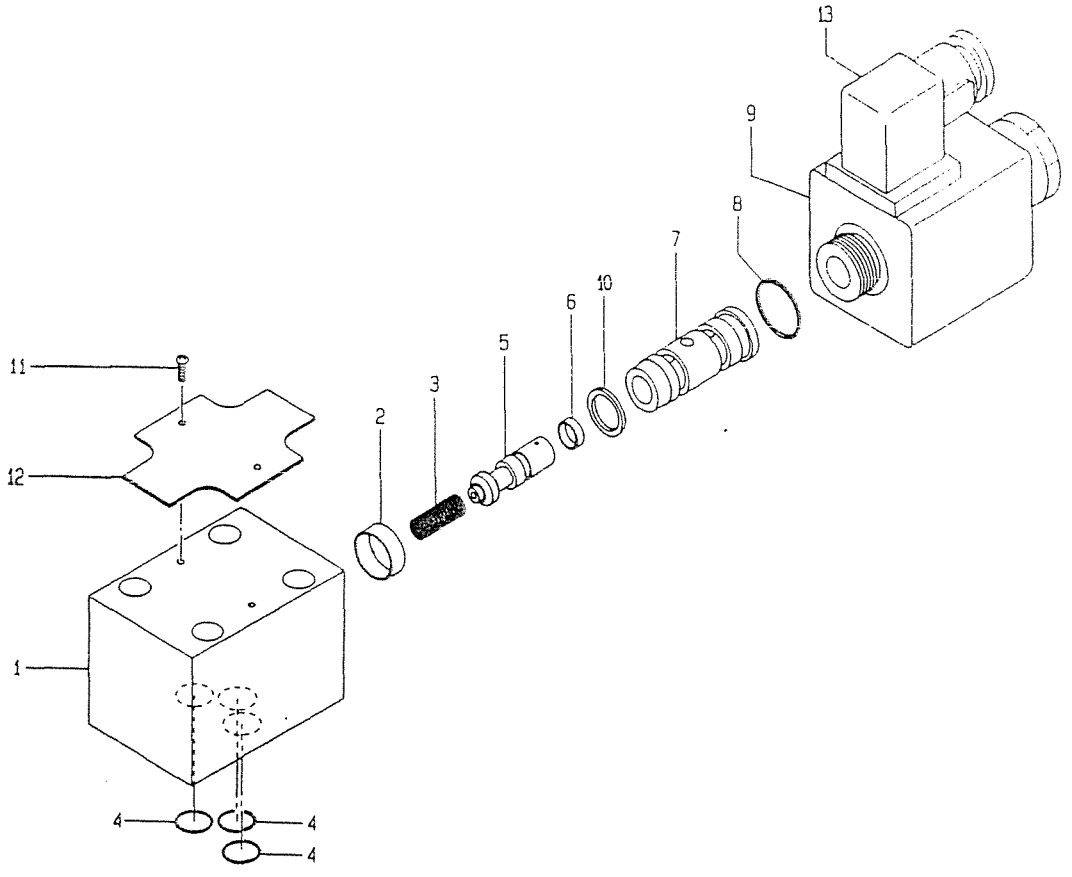
629-88100001

VALVE-SOLENOID



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	629-88101001	BODY ASSY	1			
2	629-88412000	SEAT	1			
3	629-88413000	SPRING	1			
4	009-46301007	O-RING	3			
5	629-88411000	PISTON	1			
6	629-88410000	SEAL	1			
7	629-88409000	SLEEVE	1			
8	001-36110160	O-RING	1			
9	629-88407000	SOLENOID ASSY	1			
10	629-88112001	SPACER	1			
11	629-88110000	SCREW-MACHINE	2			
12	629-88111000	PLATE-NAME	1			
13	629-88113001	CONNECTOR	1			

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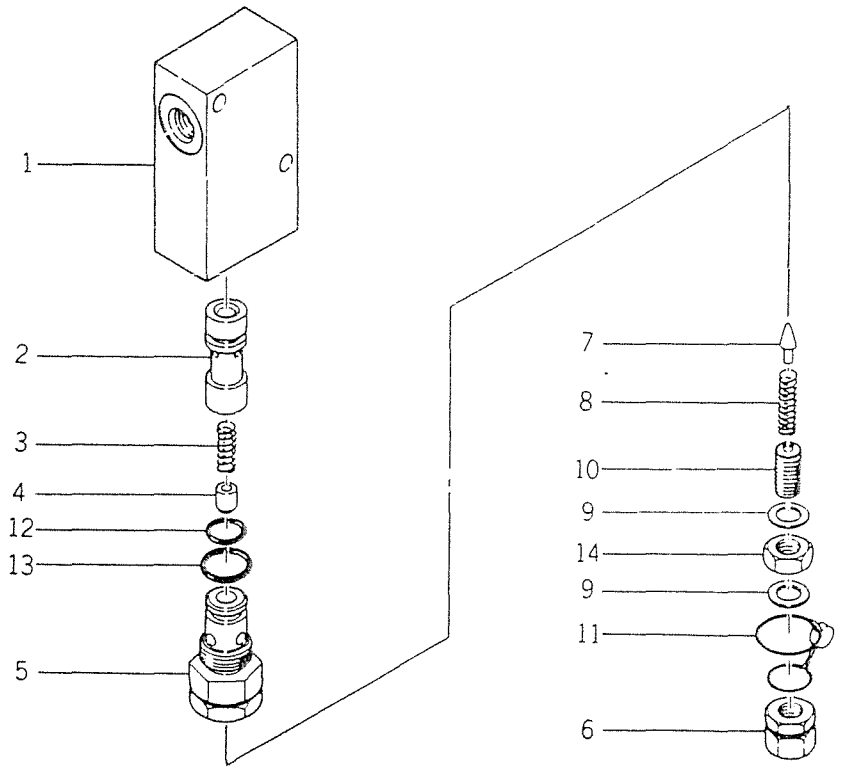
https://truckmanualshub.com/

639-20400001

VALVE-REDUCING



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
1	639-20401001	HOUSING	1			
2	639-20402001	SPOOL	1			
3	639-20403001	SPRING	1			
4	639-20404001	SEAT-VALVE	1			
5	639-20405001	SLEEVE-PILOT	1			
6	639-20406001	NUT	1			
7	639-20407001	VALVE-NEEDLE	1			
8	639-20408001	SPRING	1			
9	629-69005001	GASKET-RING	2			
10	639-20410001	SCREW-ADJUST	1			
11	639-20411001	SEAL	1			
12	001-36120120	O-RING	1			
13	001-36120160	O-RING	1			
14	009-14210000	NUT	1			

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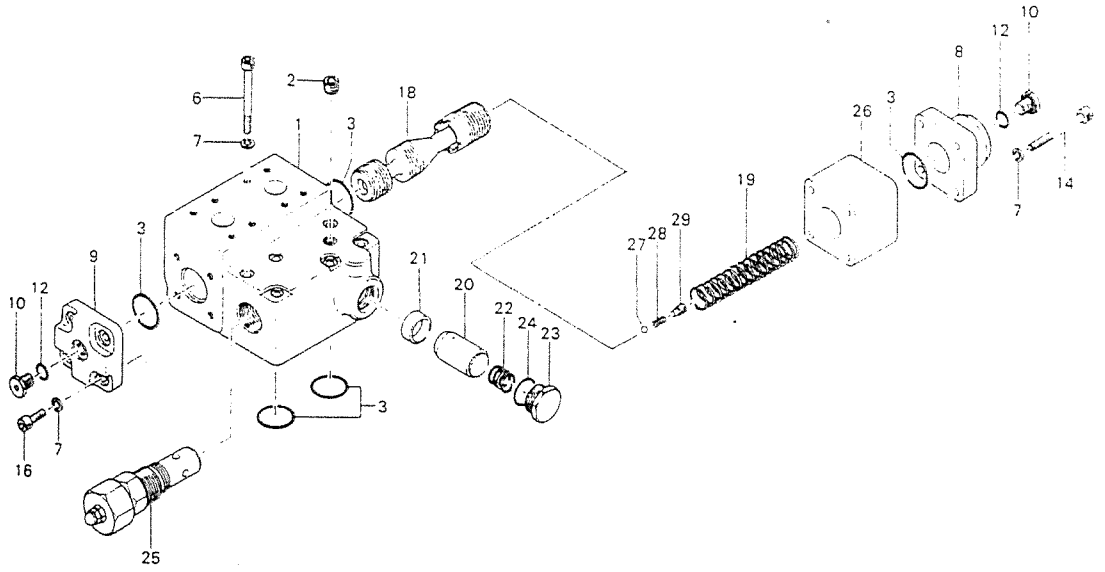
639-61600001

VALVE-BALANCING



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	639-61601001	CASING	1			
2	639-50002000	PLUG	1			
3	009-46002035	O-RING	5			
6	001-10512100	BOLT-HEXAGON SOCKET	6			
7	619-90326000	WASHER-SQUARE SPRING	14			
8	639-41905002	COVER(1)	1			
9	639-61609001	COVER(2)	1			
10	619-90334000	PLUG(PO)	2			
12	001-36120160	O-RING	2			
14	001-10512085	BOLT-HEXAGON SOCKET	4			
16	001-10512035	BOLT-HEXAGON SOCKET	4			
18	639-61618001	SPOOL	1			
19	639-61619001	SPRING	1			
20	639-61620001	PLUNGER	1			
21	639-50022000	SEAT	1			
22	639-61622001	SPRING	1			
23	639-61623001	PLUG	1			
24	001-36120300	O-RING	1			
25	639-61625001	VALVE-RELIEF ASSY	1			
26	639-61626001	SPACER	1			
27	639-51215001	BALL-STEEL	1			
28	639-61628001	SPRING	1			
29	639-61629001	RESTRICTION	1			

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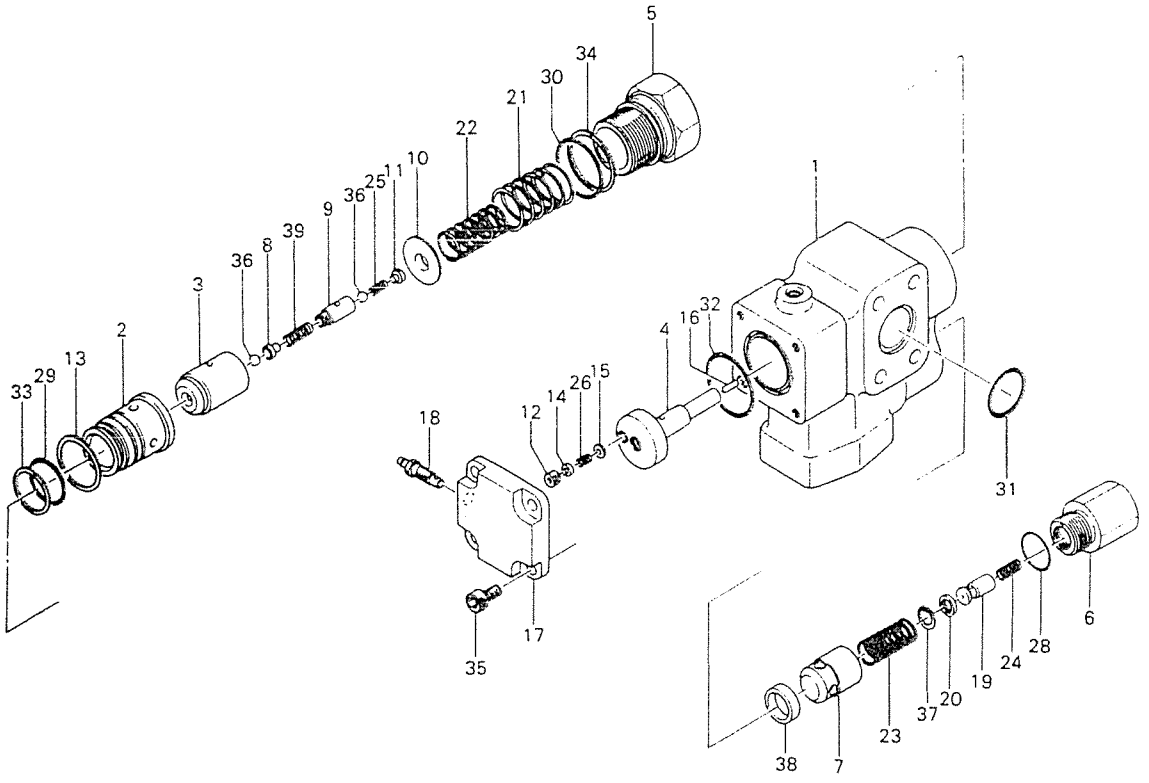
639-62100001

VALVE-BALANCING



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
1	639-49501001	BODY-VALVE	1			
2	639-49502001	BARREL	1			
3	639-49503001	PLUNGER	1			
4	639-49504001	PISTON-PILOT	1			
5	639-49505001	CASE-SPRING	1			
6	639-62106001	CARTRIDGE	1			
7	639-61907001	PLUNGER-CHECK	1			
8	639-49108001	PUSH-BALL	1			
9	639-49109001	PLUG-ORIFICE	1			
10	639-61910001	SEAT-SPRING	1			
11	639-49111001	PLUG(A)	1			
12	639-61934001	PLUG(B)	1			
13	639-49513001	SHIM	1			
14	639-61912001	CHECK-ORIFICE	1			
15	639-61935001	PLATE-ORIFICE	1			
16	639-49515001	PIN	1			
17	639-49516001	COVER-PISTON	1			
18	639-49517001	SCREW-BLEEDER	1			
19	639-49118001	SPOOL-SHUT OFF	1			
20	639-49119001	STOPPER	1			
21	639-61918001	SPRING(C)	1			
22	639-61919001	SPRING(D)	1			
23	639-49520001	SPRING	1			
24	639-49125001	SPRING	1			
25	639-49124001	SPRING	1			
26	639-49523001	SPRING	1			
28	001-36120290	O-RING	1			

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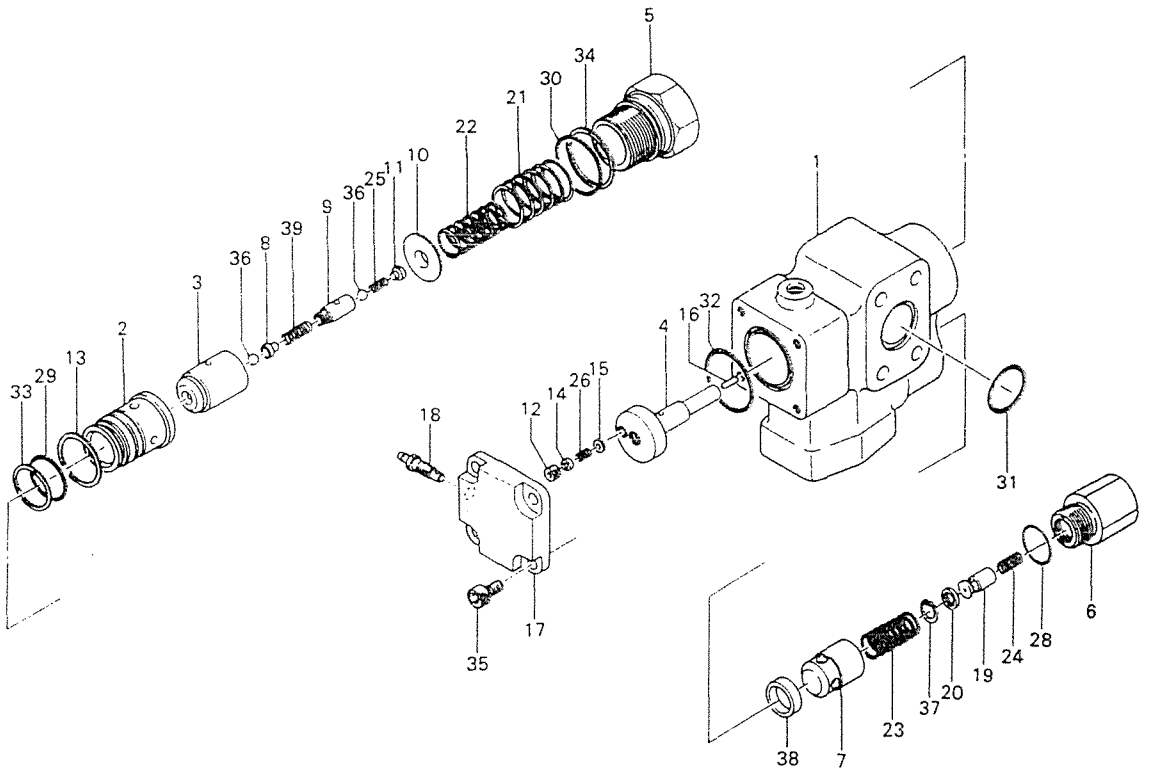
639-62100001

VALVE-BALANCING



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
29	001-36110300	O-RING	1			
30	001-36110440	O-RING	1			
31	009-46001035	O-RING	1			
32	009-46001050	O-RING	1			
33	001-37103002	RING-BACK UP	1			
34	001-37104402	RING-BACK UP	1			
35	001-10512025	BOLT-HEXAGON SOCKET	1			
36	629-82918011	BALL-STEEL	2			
37	009-20717000	RING-SNAP(H)	1			
38	639-61936001	SEAT-CHECK	1			
39	639-49123001	SPRING	1			

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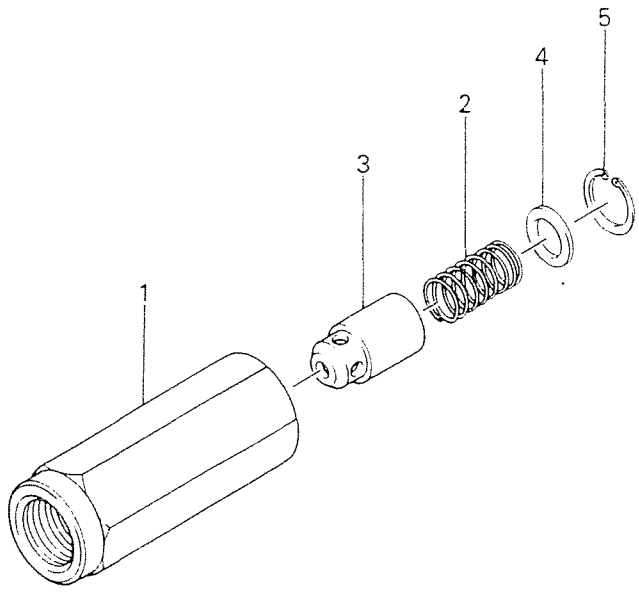
649-33800001

VALVE-RESTRICTION



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	649-33801001	BODY	1			
2	649-33802001	SPRING	1			
3	649-33803001	PLUNGER	1			
4	649-33804001	WASHER-PLATE	1			
5	649-34912001	RING-SNAP	1			

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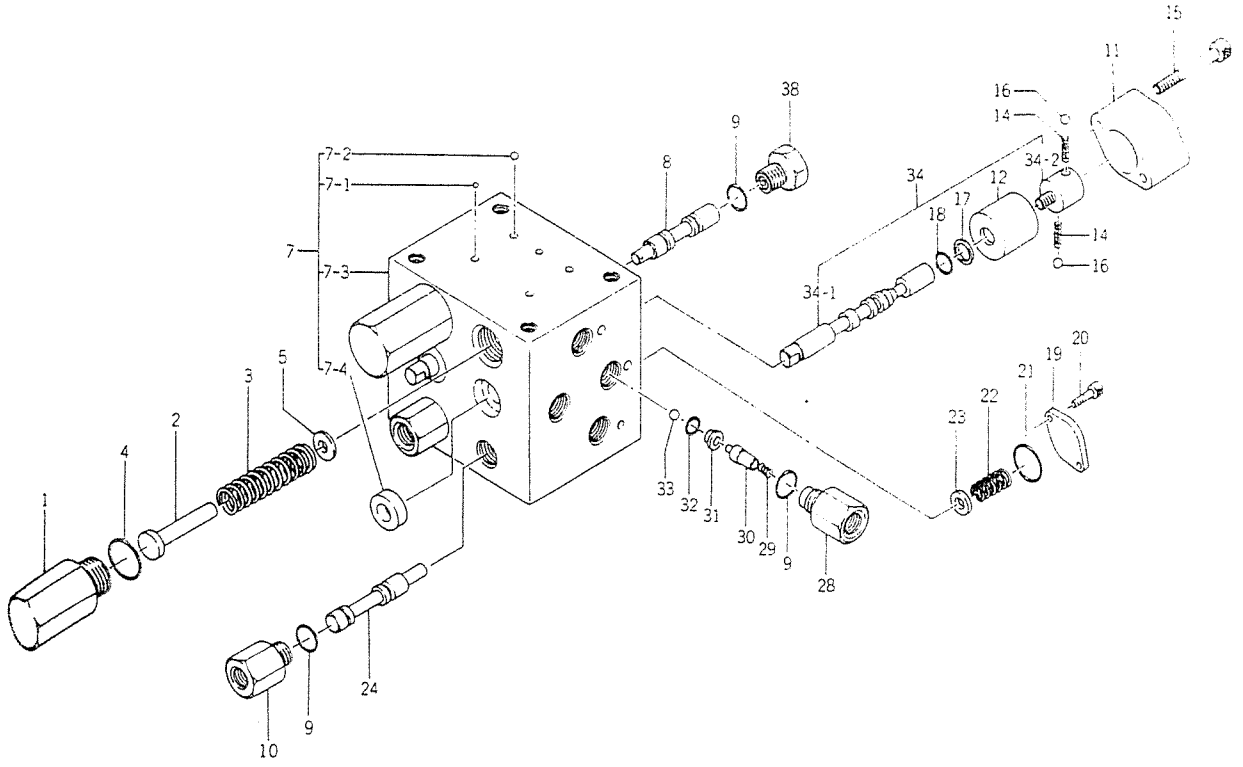
669-63700001

VALVE-CLUTCH



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
1	669-63501001	COVER-SPRING	2			
2	669-63502001	STOPPER	2			
3	669-63503001	SPRING	2			
4	001-36120180	O-RING	2			
5	669-63505001	WASHER	2			
7	669-63707001	BODY SUB ASSY	1			
- 1	669-63535001	PLUG-EXPANDER	10		X	
- 2	669-63536001	PLUG-EXPANDER	7		X	
- 3	669-63737001	BODY	1		X	
- 4	669-63527001	SEAL-OIL	2			
8	669-63508001	SPOOL(1)	2			
9	001-36120110	O-RING	6			
10	669-63510001	COUPLING	2			
11	669-63511001	COVER-DETENT	2			
12	669-63512001	SLEEVE	2			
14	669-12309001	SPRING	2			
15	669-63515002	BOLT-HEXAGON SOCKET	4			
16	669-12310001	BALL-STEEL	4			
17	001-37101003	RING-BACK UP	2			
18	001-36110100	O-RING	2			
19	669-63519001	COVER	2			
20	669-63520002	BOLT-HEXAGON SOCKET	4			
21	001-36120150	O-RING	2			
22	669-63522001	SPRING	2			
23	669-63523001	WASHER	2			

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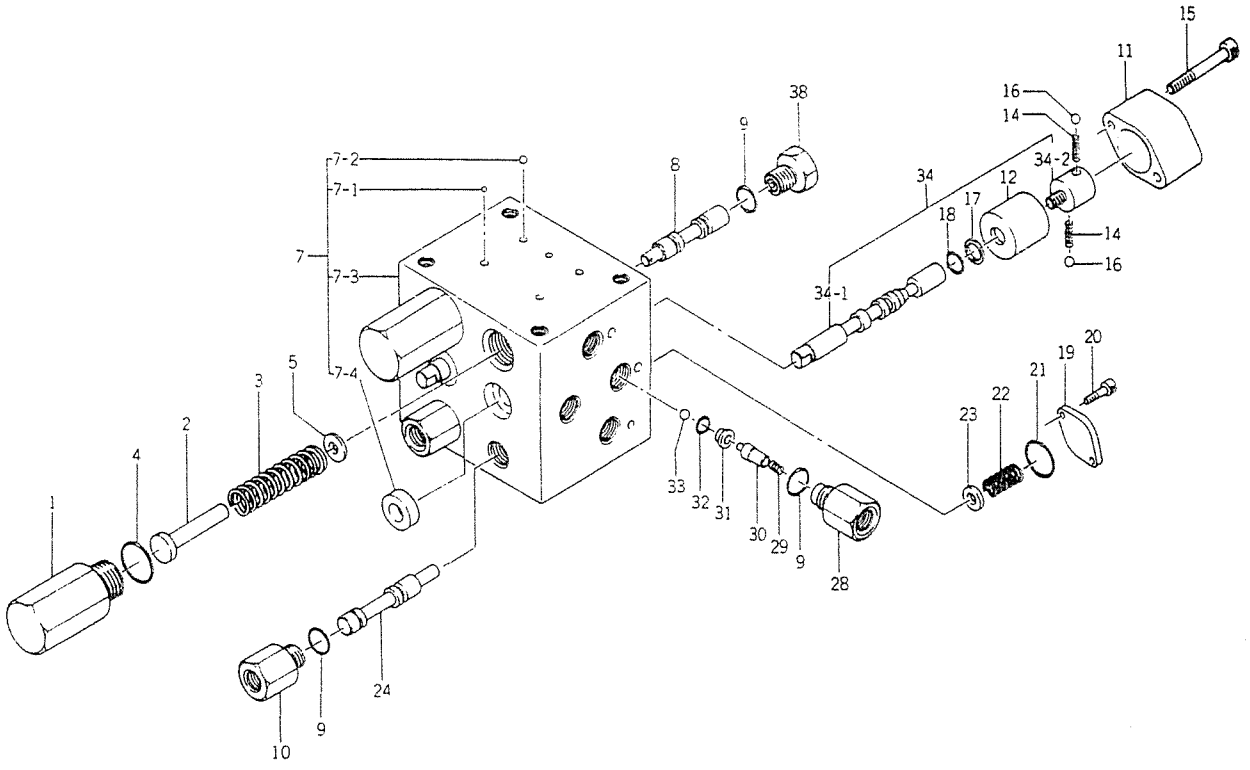
669-63700001

VALVE-CLUTCH



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
24	669-63524001	SPOOL(3)	2			
28	669-12323001	COUPLING	2			
29	669-12329001	SPRING	2			
30	669-12325001	VALVE	2			
31	669-12326001	SEAT	2			
32	001-36120070	O-RING	2			
33	669-12328001	BALL-STEEL	2			
34	669-63534001	SPOOL SUB ASSY	2			
- 1	669-63506001	SPOOL(2)	1		X	
- 2	669-63513001	HOLDER-BALL	1		X	
38	669-63738001	PLUG	2			

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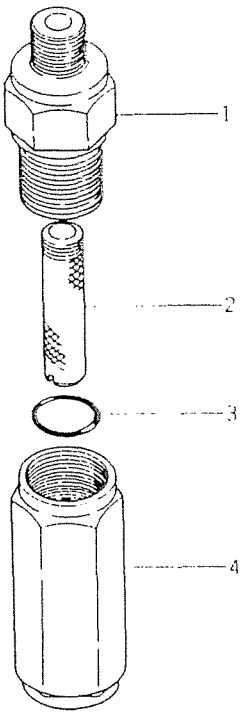
689-30100001

FILTER-INLINE MICRO(PT)



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	689-30101001	NIPPLE	1			
2	689-30502001	FILTER	1			
3	001-36110160	O-RING	1			
4	689-30104000	NUT	1			

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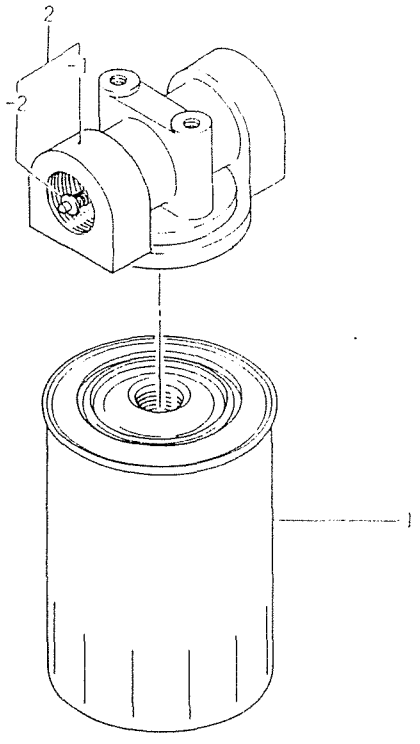
689-34400011

FILTER-SPIN



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	689-34401001	FILTER-CARTRIDGE	1			
2	689-34400111	HEAD COVER ASSY	1			
- 1	689-34402011	COVER-HEAD	1		X	
- 2	689-34402111	VALVE-RELIEF	1		X	

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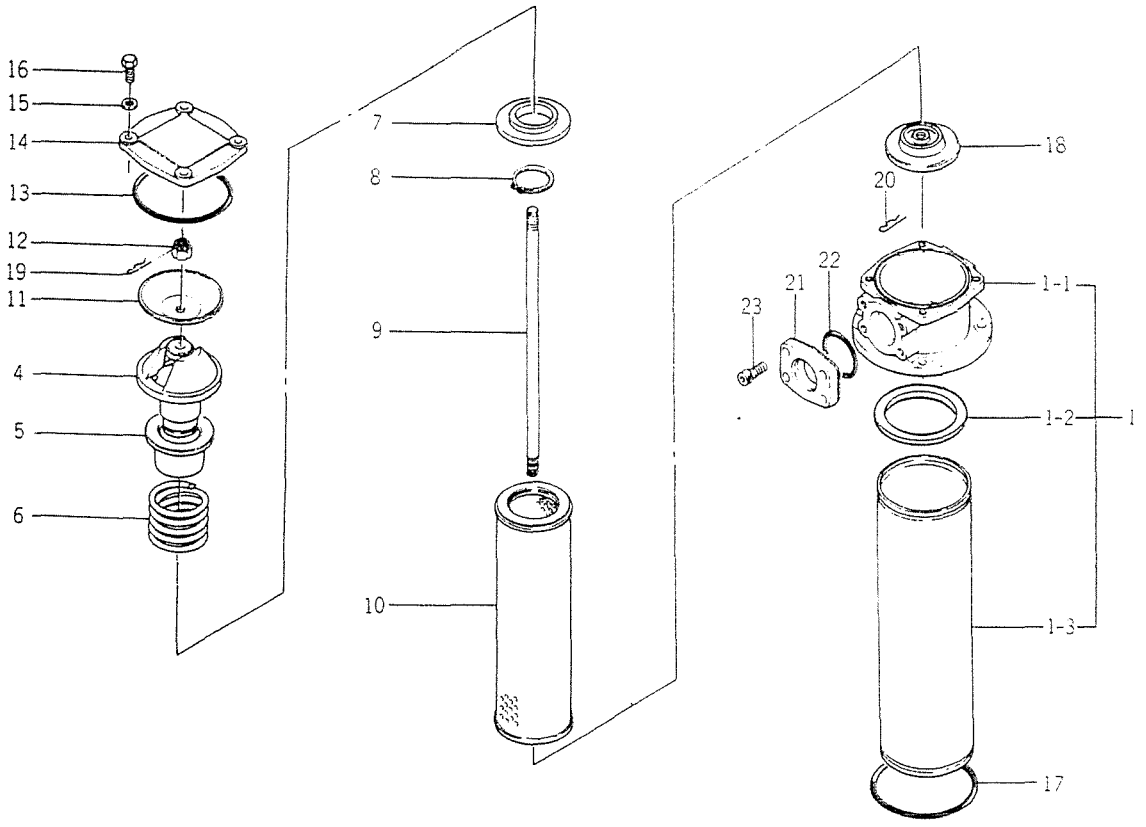
689-37600022

FILTER-RETURN



REF.NO.	PART NO.	PART NAME	Q'ty	SUPP. CODE		NOTE
1	689-37600122	CASE ASSY	1			
- 1	689-31101002	CASE	1		X	
- 2	689-31102002	GASKET-CASE	1		X	
- 3	689-37603022	CASE-ELEMENT	1		X	
4	689-38904002	HOLDER-ELEMENT	1			
5	689-38905002	VALVE	1			
6	689-38906002	SPRING-VALVE	1			
7	689-38907002	RETAINER-ELEMENT(A)	1			
8	001-20655000	RING-SNAP	1			
9	689-38909002	BOLT-CENTER	1			
10	689-38210011	ELEMENT-FILTER	1			
11	689-38911002	SPRING	1			
12	009-13112002	NUT-CASTLE	1			
13	009-46001140	O-RING	1			
14	689-38215011	COVER	1			
15	001-12212000	WASHER	4			
16	001-10312030	BOLT	4			
17	009-46401037	O-RING	1			
18	689-39234002	RETAINER-ELEMENT(B)	1			
19	689-38213011	PIN-SNAP	1			
20	001-20412000	PIN-SNAP	1			
21	689-37619012	FLANGE	1			
22	009-46401009	O-RING	1			
23	001-10512035	BOLT-HEXAGON SOCKET	1			

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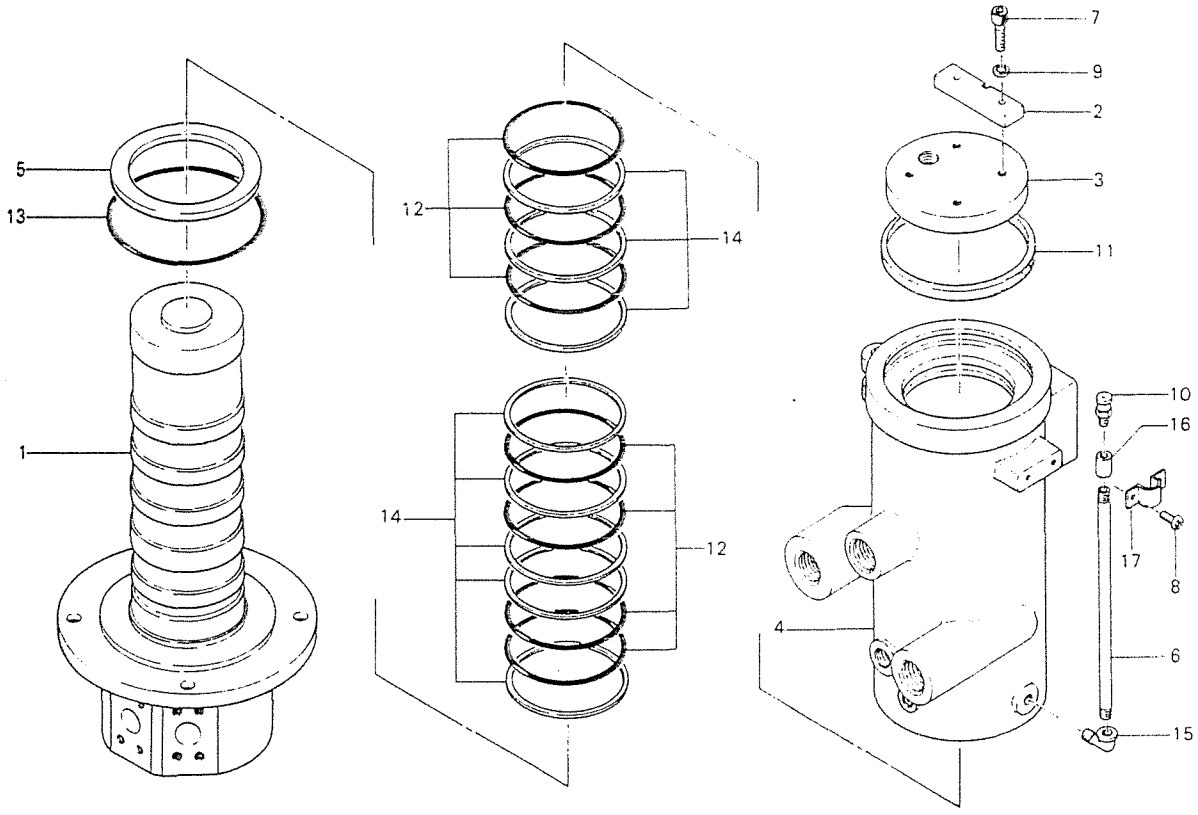
689-85800012

SEAL-ROTARY



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	689-85801011	SHAFT ASSY	1			
2	689-85802012	PLATE	2			
3	689-85803011	RETAINER	1			
4	689-85804011	HUB	1			
5	689-85805011	WASHER	1			
6	689-85806011	PIPE	1			
7	001-10510040	BOLT-HEXAGON SOCKET	4			
8	001-10705010	SCREW-MACHINE	2			
9	001-12110002	WASHER-SPRING	4			
10	001-60101002	NIPPLE-GREASE	1			
11	689-85811011	SEAL-DUST	1			
12	001-36121100	O-RING	7			
13	009-46002150	O-RING	1			
14	001-37111002	RING-BACK UP	8			
15	689-85815011	ELBOW	1			
16	689-85816011	SOCKET	1			
17	689-85817011	SADDLE	1			

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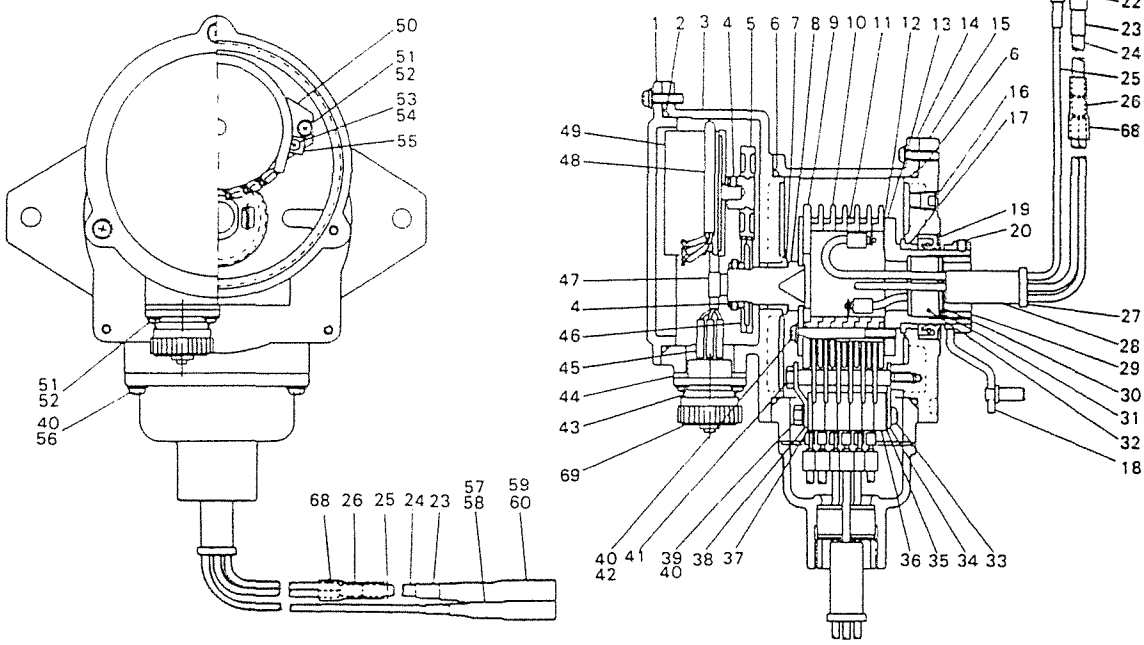
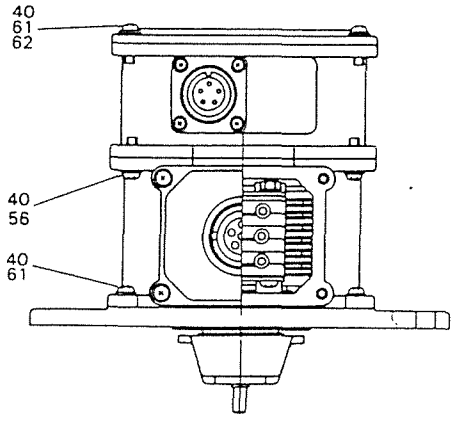
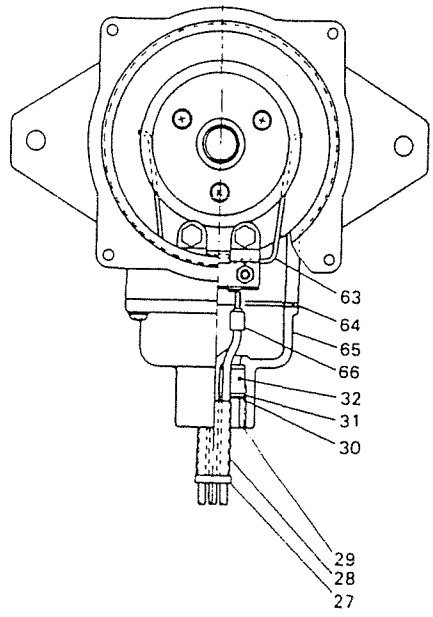
709-12200002

BRUSH-ROTARY







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709-12200002

BRUSH-ROTARY

REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	709-12201002	COVER	1			
2	709-12202002	O-RING	1			
3	709-12203002	HOUSING-UPPER	1			
4	709-12204002	SCREW-SET	3			
5	709-12205002	GEAR	1			
6	709-12206002	O-RING	2			
7	709-12207002	BUSHING-SHAFT	1			
8	709-12208002	SHAFT-UPPER ASSY	1			
9	709-12209002	INSULATOR	1			
10	709-12210002	INSULATOR	6			
11	709-12211002	RING-SLIP	6			
12	709-12212002	INSULATOR	1			
13	709-12513001	SHAFT-LOWER	1			
14	709-12214002	HOUSING-LOWER	1			
15	709-12215002	PLATE	1			
16	629-71918001	PLUG	1			
17	709-12217002	BUSHING-SHAFT	1			
18	709-12218002	COUPLING ASSY	1			
19	709-12219002	SEAL-OIL	1			
20	709-12220002	SCREW-SET	4			
21	709-12221002	PLUG	4			
22	709-12222001	PLUG	1			
23	709-12223002	TUBE	10			
24	709-12224002	CORD	2			
25	709-12225002	CORD	12			
26	709-12226001	SLEEVE	2			
27	709-12227001	BAND	2			
28	709-12228002	TUBE	2			
29	709-12229002	GLAND	2			
30	709-12230002	RING	4			
31	709-12231002	WASHER	4			
32	709-12232002	PACKING	2			
33	001-10704040	SCREW-MACHINE	2			
34	709-12234002	PLATE-SUPPORT	1			
35	709-12235002	SPACER	1			
36	709-12236002	INSULATOR	6			
37	709-12237002	INSULATOR	1			
38	709-12238002	PLATE-SUPPORT	1			
39	709-12239001	NUT	2			
40	001-12104002	WASHER-SPRING	19			
41	709-12241002	BOLT	2			
42	709-12242002	SCREW-MACHINE	3			
43	709-12243002	RECEPTACLE	1			
44	709-12244002	PACKING	1			
45	709-12245002	TUBE-INSULATOR	10			
46	709-12246002	GEAR ASSY	1			
47	709-12247002	CLAMP	1			
48	709-12248002	CORD	1			
49	709-12457001	POTENTIOMETER	1			
50	709-12250002	BASE	1			
51	709-12251001	SCREW-MACHINE	7			
52	709-12650001	WASHER-SPRING	7			
53	709-12253001	SCREW	2			
54	709-12254001	WASHER-SPRING	2			

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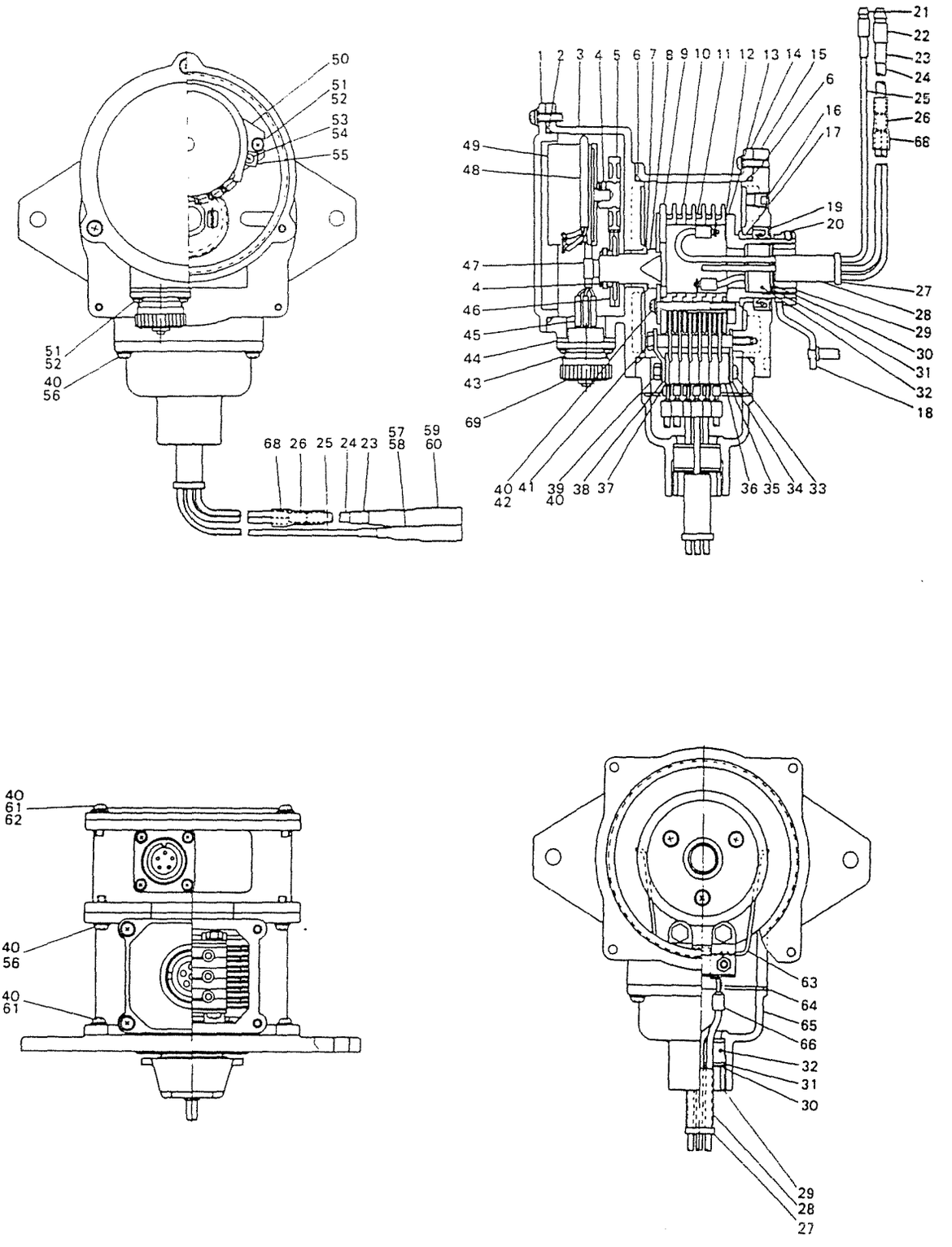
709-12200002

BRUSH-ROTARY



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709-12200002

BRUSH-ROTARY

REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
55	709-12255001	PLATE-LOCK	2			
56	001-10704012	SCREW-MACHINE	11			
57	709-12257002	RECEPTACLE	4			
58	709-12258002	CAP	4			
59	709-12259001	RECEPTACLE	1			
60	709-12260001	CAP	1			
61	709-12261001	SCREW-MACHINE	3			
62	709-12262001	WASHER	3			
63	709-12263002	BRUSH ASSY	6			
64	709-12264002	PACKING	1			
65	709-12265002	MOUTH	1			
66	709-12266002	PACKING	12			
68	709-12268002	TUBE-INSULATOR	2			
69	709-12269002	CAP(R)	1			

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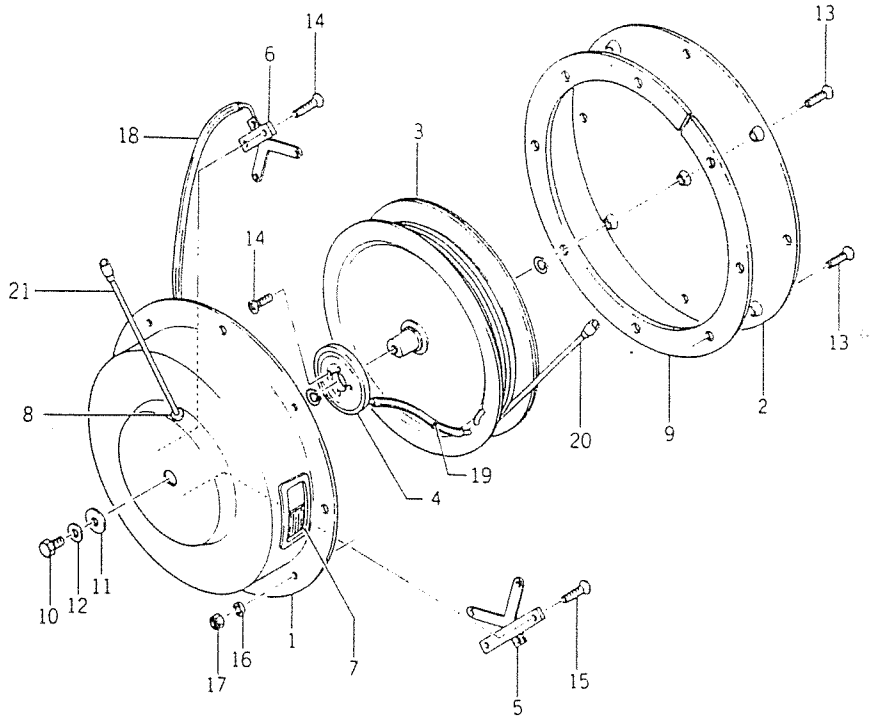
709-14600012

REEL-CORD



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	709-14401002	CASE	1			
2	709-14602001	PLATE-BASE	1			
3	709-14403002	DRUM ASSY	1			
4	709-14616001	RING ASSY	1			
5	709-13509005	POINT ASSY	1			
6	709-14627001	POINT ASSY	1			
7	709-14408002	GUIDE-CORD	1			
8	709-13511005	BUSHING	1			
9	709-14614001	PACKING	1			
10	709-14411002	BOLT	1			
11	709-14412002	WASHER	1			
12	709-14413002	WASHER-PLATE	1			
13	001-10605010	SCREW-MACHINE	5			
14	001-10604006	SCREW-MACHINE	5			
15	709-14416002	SCREW-MACHINE	2			
16	001-12105002	WASHER-SPRING	4			
17	001-13205000	NUT	4			
18	709-14419002	TUBE-VINYL	1			
19	709-14420011	TUBE-VINYL	1			
20	709-14501012	CORD	1			
21	709-14421012	CORD-SUB	1			

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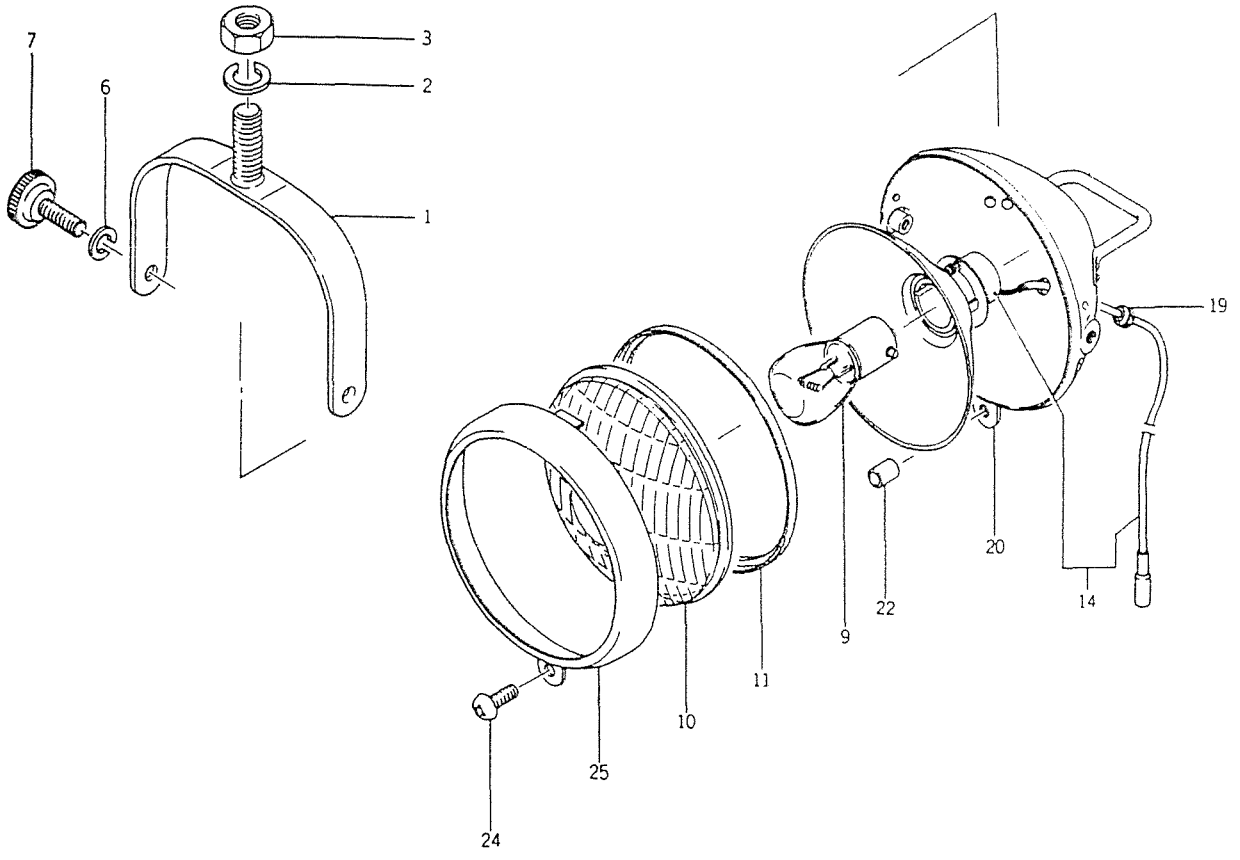
709-20100003

LIGHT-WORKING



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1	709-20101003	STAY	1			
2	001-12116002	WASHER-SPRING	1			
3	001-13216000	NUT	1			
6	001-12108002	WASHER-SPRING	2			
7	709-20107003	KNOB	2			
9	709-20109003	BULB	1			
10	709-20110003	LENS	1			
11	709-20111003	PACKING	1			
14	709-20114003	SOCKET & CORD	1			
19	709-20119003	GROMMET	1			
20	709-20120003	BODY	1			
22	709-20122003	COLLAR	1			
24	709-20124003	SCREW-SET	1			
25	709-20125003	RING-STOPPER	1			

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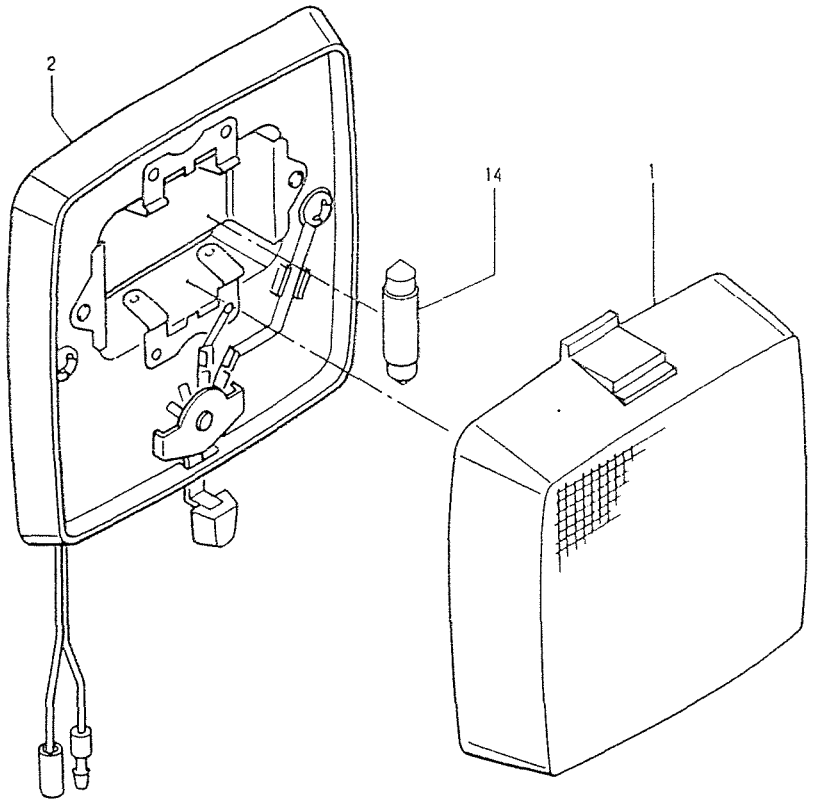
709-24300003

LAMP-ROOM



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1	709-24301001	LENS	1			
2	709-24302002	HOUSING ASSY	1			
14	709-24314001	BULB	2			

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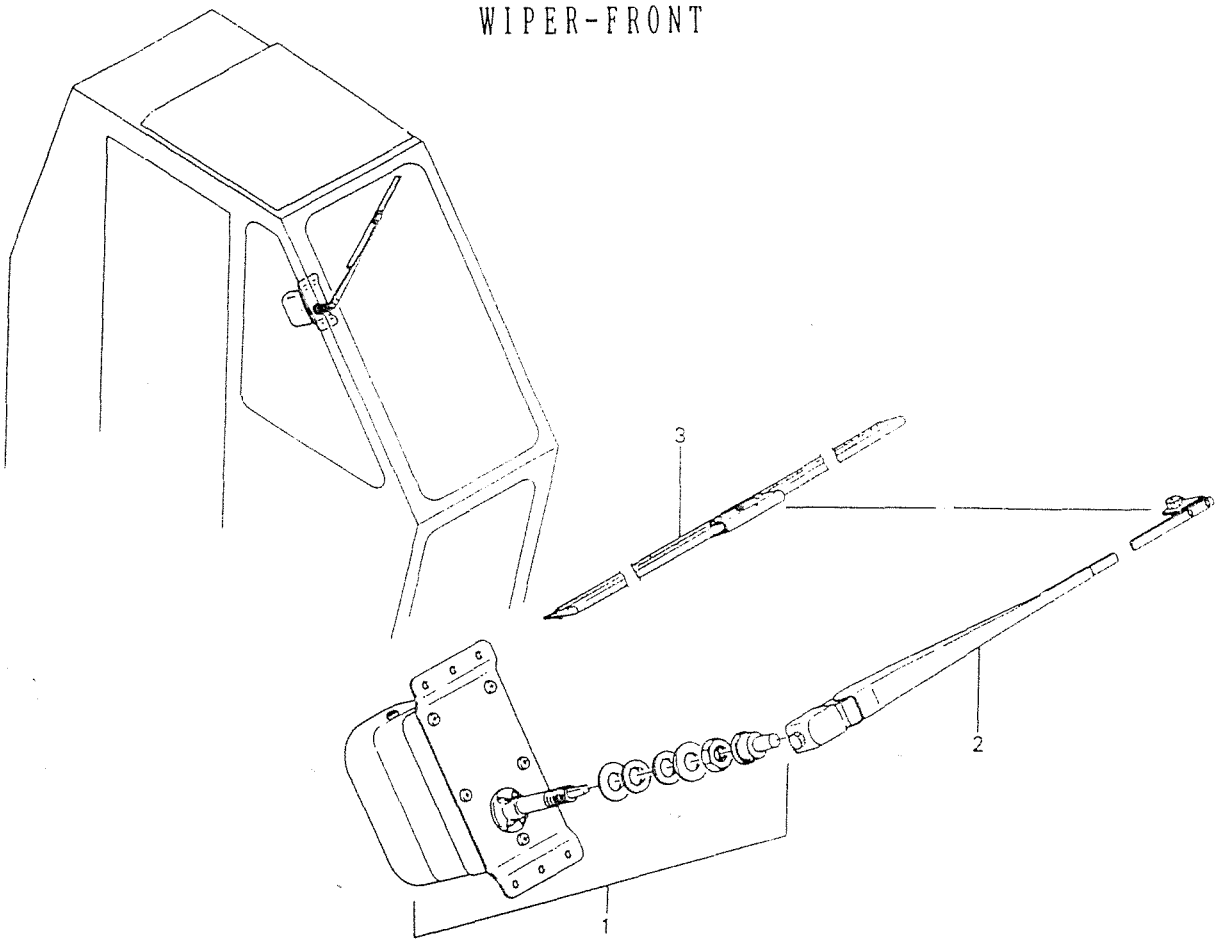
709-40800001

WIPER-FRONT



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1	709-40801001	MOTOR-WIPER	1			
2	709-40202001	ARM-WIPER	1			
3	709-40203001	BLADE-WIPER	1			

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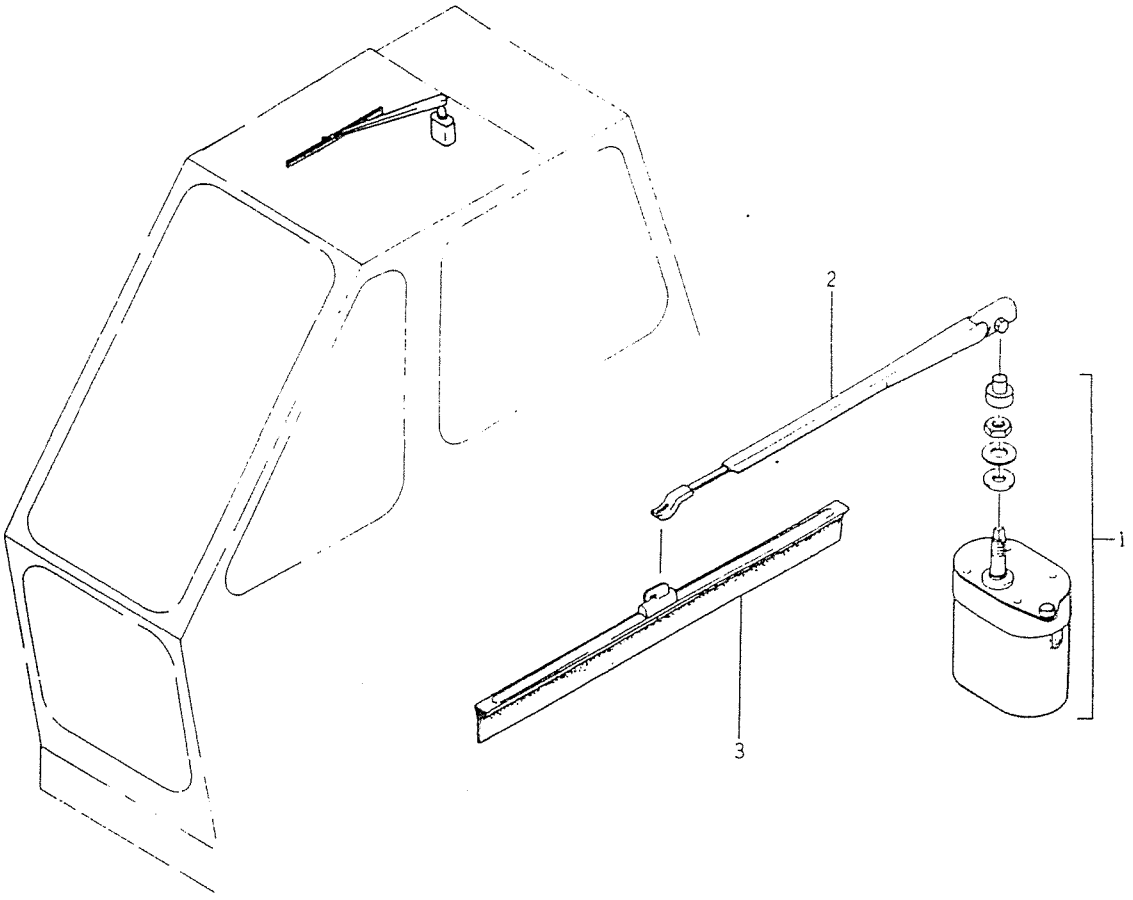
709-42200001

WIPER-ROOF



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1	709-42201001	MOTOR-WIPER	1			
2	709-40502001	ARM-WIPER	1			
3	709-40503001	BLADE-WIPER	1			

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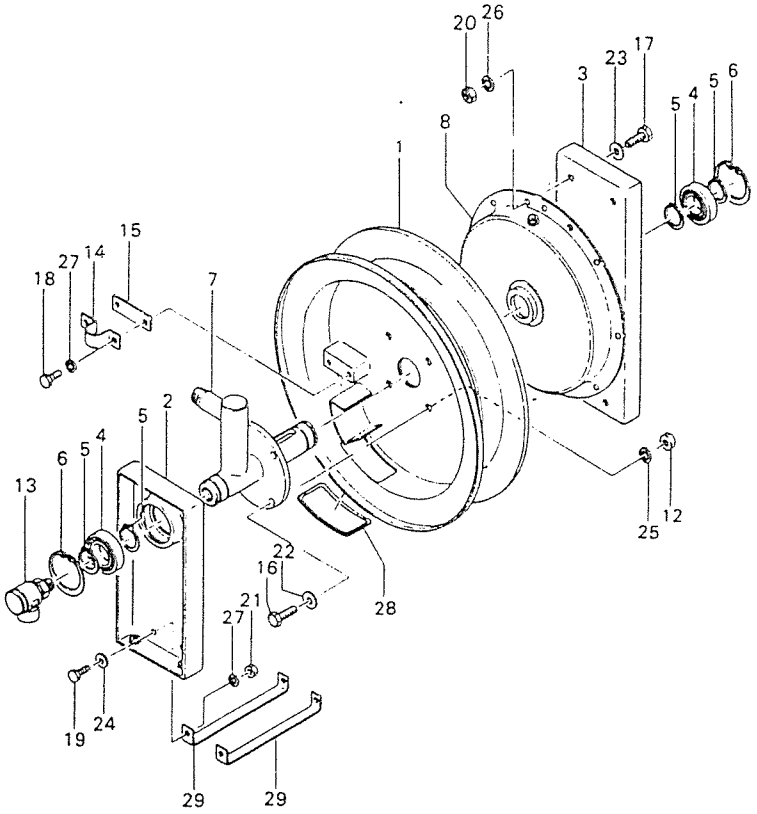
779-41400001

REEL-HOSE



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1	779-41401000	DRUM ASSY	1			
2	779-41402000	FRAME(R)	1			
3	779-41403000	FRAME(L)	1			
4	009-35306008	BEARING-BALL	2			
5	001-20640000	RING-SNAP(S)	4			
6	001-20768000	RING-SNAP(H)	2			
7	779-41407000	SHAFT ASSY	1			
8	779-41408000	SPRING ASSY	1			
12	001-13212000	NUT	4			
13	779-41413000	JOINT-ROTARY	1			
14	779-41414000	BAND-HOSE	1			
15	779-41415000	BAND-HOSE	1			
16	001-10312035	BOLT	4			
17	001-10310025	BOLT	4			
18	001-10308025	BOLT	2			
19	001-10308020	BOLT	4			
20	001-13210000	NUT	4			
21	001-13208000	NUT	4			
22	779-41522001	WASHER	4			
23	779-41523001	WASHER	4			
24	779-41524001	WASHER	4			
25	001-12112002	WASHER-SPRING	4			
26	001-12110002	WASHER-SPRING	4			
27	001-12108002	WASHER-SPRING	6			
28	779-41428000	RUBBER	1			
29	779-41429000	PLATE-STOPPER	2			

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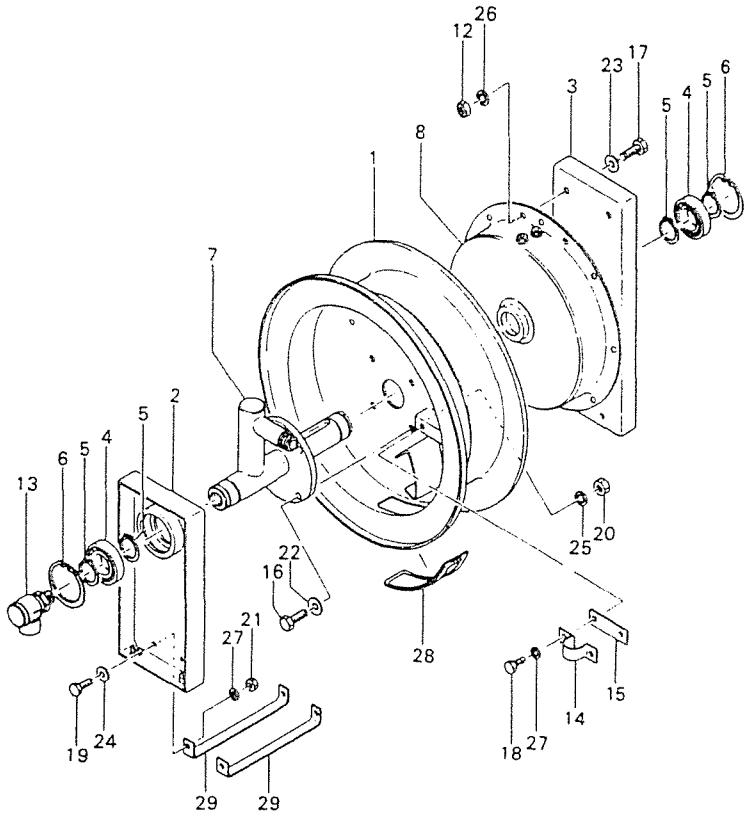
779-41500001

REEL-HOSE



REF.NO.	PART NO.	P A R T N A M E	Q'ty	SUPP. CODE		NOTE
1	779-41501000	DRUM ASSY	1			
2	779-41402000	FRAME(R)	1			
3	779-41503000	FRAME(L)	1			
4	009-35306008	BEARING-BALL	2			
5	001-20640000	RING-SNAP(S)	4			
6	001-20768000	RING-SNAP(H)	2			
7	779-41507000	SHAFT ASSY	1			
8	779-41508000	SPRING ASSY	1			
12	001-13210000	NUT	4			
13	779-41413000	JOINT-ROTARY	1			
14	779-41414000	BAND-HOSE	1			
15	779-41415000	BAND-HOSE	1			
16	001-10312035	BOLT	4			
17	001-10310025	BOLT	4			
18	001-10308025	BOLT	2			
19	001-10308020	BOLT	4			
20	001-13212000	NUT	4			
21	001-13208000	NUT	4			
22	779-41522001	WASHER	4			
23	779-41523001	WASHER	6			
24	779-41524001	WASHER	4			
25	001-12112002	WASHER-SPRING	4			
26	001-12110002	WASHER-SPRING	4			
27	001-12108002	WASHER-SPRING	6			
28	779-41428000	RUBBER	1			
29	779-41429000	PLATE-STOPPER	2			

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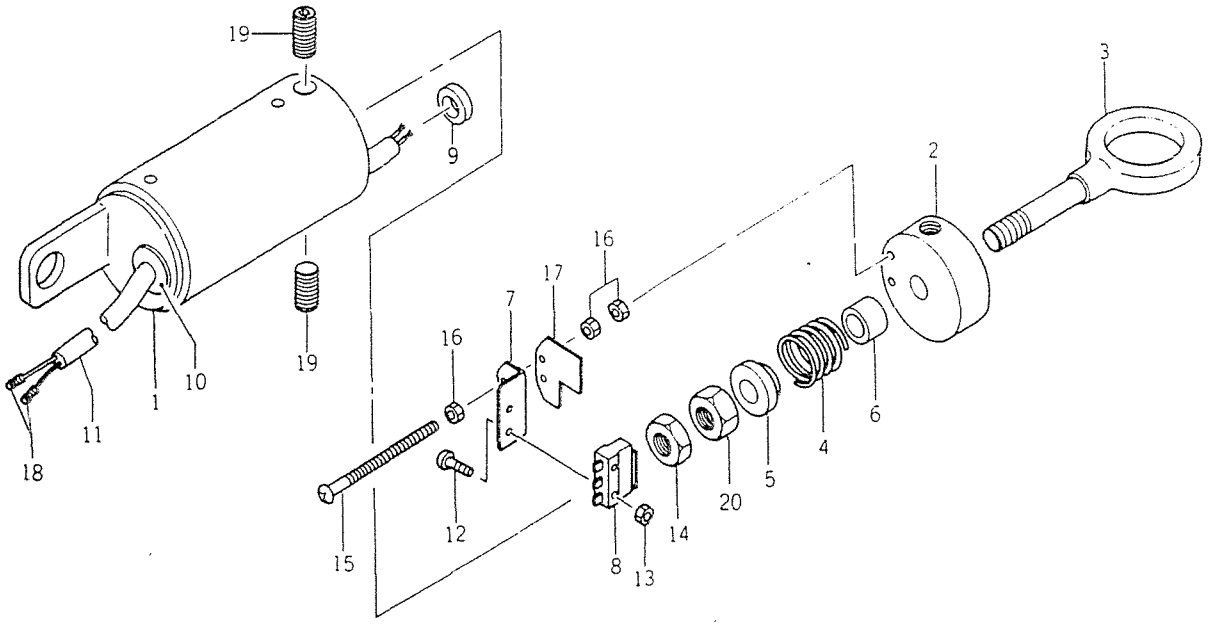
819-30200041

LIMIT SWITCH BLOCK



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1	819-30201032	CASE	1			
2	819-30202051	PLATE	1			
3	819-30203021	SHAFT	1			
4	819-30204001	SPRING	1			
5	819-30205011	SUPPORT-SPRING	1			
6	819-30206012	COLLAR	1			
7	819-30207022	BRACKET	1			
8	819-30208003	SWITCH-LIMIT	1			
9	819-30209001	STOPPER	1			
10	819-30210001	GROMMET	1			
11	819-30211001	CORD	1			
12	819-30212002	SCREW	2			
13	819-30213001	NUT	2			
14	819-30214012	NUT	1			
15	819-30215011	SCREW	2			
16	819-30217011	NUT	6			
17	819-30218002	SPACER	1			
18	102-77547000	TERMINAL-CONTINUOUS	2			
19	001-10808162	SCREW-SET	2			
20	819-30219001	NUT	1			

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