

CATERPILLAR 214B FT

9MF / HEBP1719

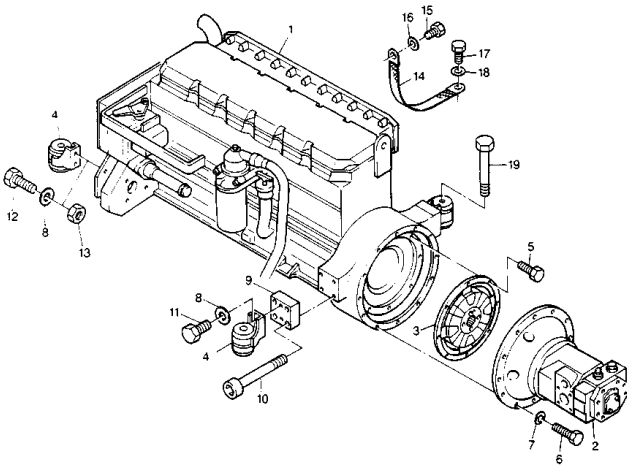
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8U-2824 INSTALLATION AR-ENGINE

8U2824 INSTALLATION AR-ENGINE VEHICLE S/N 9MF 1 - UP PART OF 8U2823 FRAME AR-UPPER (W/HEATER) PART OF 8U2827 FRAME AR-UPPER (W/O HEATER) 7C1686-PAGE 2.01, 8U0950-PAGE 64, 8U2829-PAGE 63.04

Drawing 1 of 1



NOTE	REF No	PART NUMBER	QTY	PART NAME	NOTE	REF No	PART NUMBER	QTY	PART NAME
Y	1	7C1686	1	ENGINE AR-GENERAL					
Y	2	8U2829	1	PUMP GP-PISTON					
Y	3	8U0950	1	COUPLING GP					
	4	8U1802	4	MOUNT AS-ENGINE					
	5	6V4248	8	BOLT					
	6	6V1820	12	BOLT (M10X30)					
	7	3B4507	12	LOCKWASHER					
	8	5W2060	8	WASHER					
	9	8U1803	2	PLATE					
	10	5W5022	8	BOLT					
	11	6A5591	4	BOLT					
	12	6V8675	4	BOLT					
	13	6V8149	4	NUT					
A	14	5W6064	1	STRAP AS-GROUND					
A	15	6V5215	1	BOLT					
A	16	9M1974	1	WASHER					
A	17	6V6317	1	BOLT (M10X20)					
A	18	6V5839	1	WASHER					
A	19	6V5698	4	BOLT					

A NOT PART OF THIS GROUP
Y SEPARATE ILLUSTRATION

1102529FT 890831

Ref.	Part number	Description	Qty	Code	Group page
1	7C-1686	ENGINE AR-GENERAL	1	Y	
2	8U-2829	PUMP GP-PISTON	1	Y	
3	8U-0950	COUPLING GP	1	Y	
4	8U-1802	MOUNT AS-ENGINE	4		
5	6V-4248	BOLT	8		
6	6V-1820	BOLT (M10X30)	12		
7	3B-4507	LOCKWASHER	12		
8	5W-2060	WASHER	8		
9	8U-1803	PLATE	2		
10	5W-5022	BOLT	8		
11	6A-5591	BOLT	4		
12	6V-8675	BOLT	4		
13	6V-8149	NUT	4		
14	5W-6064	STRAP AS.-GROUND	1	A	

8U-2824 INSTALLATION AR-ENGINE (continued)

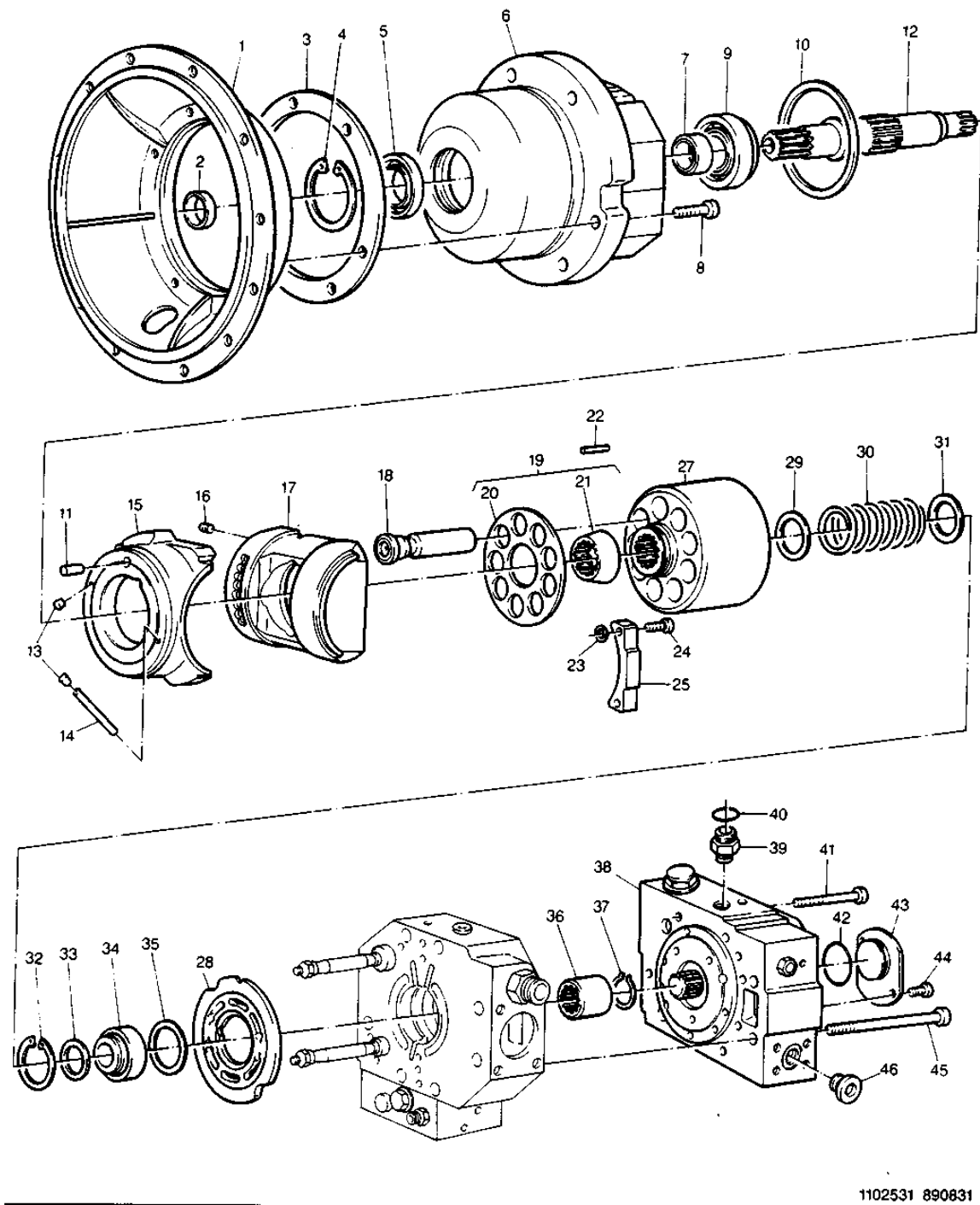
Ref.	Part number	Description	Qty	Code	Group page
15	6V-5215	BOLT	1	A	
16	9M-1974	WASHER	1	A	
17	6V-6317	BOLT (M10X20)	1	A	
18	6V-5839	WASHER	1	A	
19	6V-5696	BOLT	4	A	

CAT codes: A, Y.

8U-2829 PUMP GP-PISTON

8U2829 PUMP GP-PISTON-PART 1 OF 3 VEHICLE S/N 4CF169 UP, AND 9MF1 UP PART OF 5W9569 INSTALLATION
AR-ENGINE PART OF 8U2824 INSTALLATION AR-ENGINE 8U4226-PAGE 63.07

Drawing 1 of 1



1102531 890831

Ref.	Part number	Description	Qty	Code	Group page
1	8U-2035	HOUSING	1		
2	8U-2037	SPACER	1		
3	8U-2036	SPACER	1		
4	5W-5048	RING-RETAINING	1		

8U-2829 PUMP GP-PISTON (continued)

Ref.	Part number	Description	Qty	Code	Group page
5	8U-2006	SEAL	1	J	
6	8U-2007	HOUSING	1		
7	8U-2008	RING-SEAL	1		
8	8T-0343	BOLT	6		
9	8U-2009	BEARING-ROLLER	1		
10	8U-2012	RING	1		
11	8U-2011	PIN	1		
12	8U-2010	SHAFT	1		
13	5W-2910	PLUG	2		
14	8U-2014	PIN	1		
15	8U-3842	SHELL	1		
16	5W-8510	PLUG	1		
17	8U-3843	CRADLE	1		
18	8U-2016	PISTON	9	L	
19	9T-4136	PLATE-RETRACTION	1		
20	NSS	WASHER	1		
21	NSS	BALL	1		
22	8U-2018	NEEDLE-ROLLER	3		
23	8U-2020	SHIM 0.05MM (.001IN) THK	1	B	
23	8U-2021	SHIM 0.075MM (.002IN) THK	1	B	
23	8U-2022	SHIM 0.1MM (.003IN) THK	1	B	
24	5W-1281	BOLT	4		
25	8U-2019	BEARING-PLATE	2		
27	8U-2938	CYLINDER	1		
28	8U-2939	PLATE	1		
29	8U-2024	SPACER	1		
30	8U-2025	SPRING	1		
31	8U-2026	SPACER	1		
32	5W-1447	RING-RETAINING	1		
33	8U-2027	RING	1		
34	8U-2028	BEARING-ROLLER	1		
35	8U-2940	SHIM .60MM (.024IN) THK	1	B	
35	8U-2029	SHIM 1.05MM (.041IN) THK	1	B	
35	8U-2030	SHIM 1.1 MM (.043IN) THK	1	B	
35	8U-2031	SHIM 1.15MM (.045IN) THK	1	B	
35	8U-2032	SHIM 1.25MM (.049IN) THK	1	B	

8U-2829 PUMP GP-PISTON (continued)

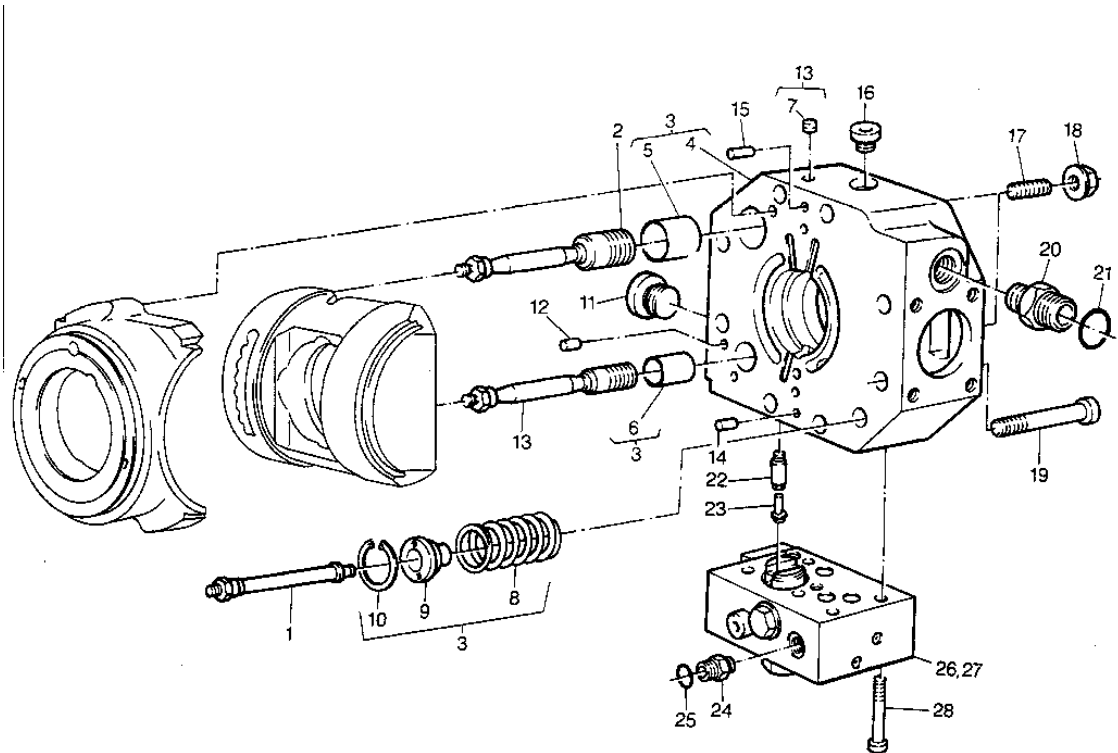
Ref.	Part number	Description	Qty	Code	Group page
35	8U-2033	SHIM 1.5MM (.059IN) THK	1	B	
35	8U-2034	SHIM 1.75MM (.068IN) THK	1	B	
36	8U-2066	COUPLING	1		
37	8U-2067	RING-RETAINING	1		
38	8U-4226	PUMP GP	1	Y	
39	8U-2088	ADAPTER	1		
40	8U-2089	SEAL-O-RING	1	J	
41	8U-2394	BOLT (M8X90)	7		
42	8U-2064	SEAL-O-RING	1	J	
43	8U-2065	COVER	1		
44	8T-0340	BOLT	2		
45	8U-2087	BOLT (M14X180)	2		
46	8U-2090	PLUG	1		
FOLLOWING REPAIR KIT AVAILABLE:					
	8U-2121	KIT (SEAL)	1		
(INCLUDES PARTS MARKED J ON THIS PAGE AND PAGES 63.05 UP TO 63.08)					
FOLLOWING REPAIR KIT AVAILABEL:					
	8U-4230	REPAIR KIT (W/O POS. 5)	1		
(INCLUDES PARTS MARKED J ON THIS PAGE AND PAGES 63.05 UP TO 63.08)					

CAT codes: B, Y, L.

8U-2829 PUMP GP-PISTON

8U2829 PUMP GP-DOUBLE-PART 2 OF 3 VEHICLE S/N 4CF169-UP, AND 9MF1-UP PART OF 5W9569 INSTALLATION AR-ENGINE PART OF 8U2824 INSTALLATION AR-ENGINE 8U4228-PAGE 63.08, 8U4229-PAGE 63.08

Drawing 1 of 1



NOTE	REF No	PART NUMBER	QTY	PART NAME	NOTE	REF No	PART NUMBER	QTY	PART NAME
L	1	8U4225	1	PISTON	L Y Y	24	8U2088	1	ADAPTER
	2	8U2041	1	PISTON		25	8U2089	1	SEAL-O-RING
	3	8U4222	1	CONTROL GP		26	8U4228	1	REGULATOR GP
	4	NSS	1	CONTROL		27	8U4229	1	HOUSING GP
	5	8U2040	1	BUSHING		28	8T9535	4	BOLT (M8X60)
	6	8U2039	1	BUSHING					
	7	5W2910	1	PLUG					
	8	8U4223	1	SPRING					
	9	8U4224	1	SEAT					
	10	5W1446	1	RING-RETAINING					
	11	5W1255	1	BOLT					
	12	8U2047	1	PIN					
	13	8U2042	1	PISTON					
	14	8U2048	1	PIN					
	15	5W3583	1	PIN					
	16	8U2046	1	PLUG					
	17	8U2044	2	PIN					
	18	8U2045	2	NUT					
	19	8U2049	6	BOLT (M14X90)					
	20	8U2050	1	ADAPTER					
	21	8U2051	1	SEAL-O-RING					
	22	8U2119	1	GUIDE					
	23	8U2118	1	PISTON					
L REPAIR KIT PARTS INCLUDED IN REPAIR KIT ON PAGE 63.04									
Y SEPARATE ILLUSTRATION									
1102532 910731									

Ref.	Part number	Description	Qty	Code	Group page
1	8U-4225	PISTON	1		
2	8U-2041	PISTON	1		
3	8U-4222	CONTROL GP	1		
4	NSS	CONTROL	1		

8U-2829 PUMP GP-PISTON (continued)

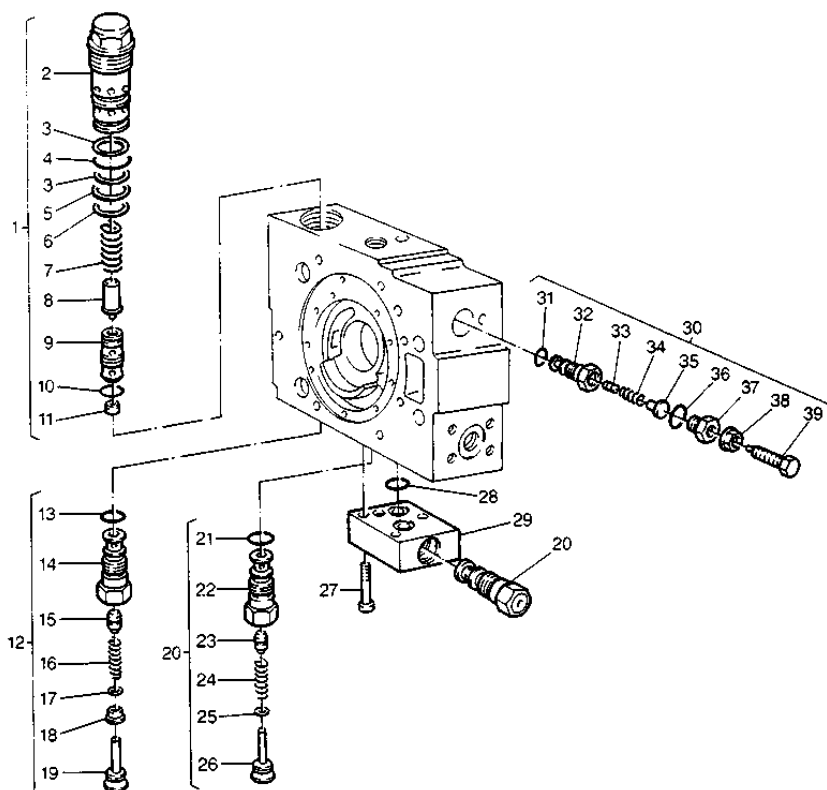
Ref.	Part number	Description	Qty	Code	Group page
5	8U-2040	BUSHING	1		
6	8U-2039	BUSHING	1		
7	5W-2910	PLUG	1		
8	8U-4223	SPRING	1		
9	8U-4224	SEAT	1		
10	5W-1446	RING-RETAINING	1		
11	5W-1255	BOLT	1		
12	8U-2047	PIN	1		
13	8U-2042	PISTON	1		
14	8U-2048	PIN	1		
15	5W-3583	PIN	1		
16	8U-2046	PLUG	1		
17	8U-2044	PIN	2		
18	8U-2045	NUT	2		
19	8U-2049	BOLT (M14X90)	6		
20	8U-2050	ADAPTER	1		
21	8U-2051	SEAL-O-RING	1	L	
22	8U-2119	GUIDE	1		
23	8U-2118	PISTON	1		
24	8U-2088	ADAPTER	1		
25	8U-2089	SEAL-O-RING	1	L	
26	8U-4228	REGULATOR GP	1	Y	
27	8U-4229	HOUSING GP	1	Y	
28	8T-9535	BOLT (M8X60)	4		

CAT codes: L, Y.

8U-2829 PUMP GP-PISTON

8U2829 PUMP GP-DOUBLE-PART 3 OF 3 VEHICLE S/N 4CF169-UP, AND 9MF1-UP PART OF 5W9569 INSTALLATION
AR-ENGINE PART OF 8U2824 INSTALLATION AR-ENGINE

Drawing 1 of 1



NOTE	REF No	PART NUMBER	QTY	PART NAME	NOTE	REF No	PART NUMBER	QTY	PART NAME
	1	8U2082	1	VALVE GP		22	NSS	1	HOUSING
	2	NSS	1	HOUSING		23	NSS	1	PISTON
L	3	8U2086	2	RING		24	8U2070	1	SPRING
L	4	5W1753	1	SEAL-O-RING	B	25	8U2071	1	SHIM 0.5MM (.019IN) THK
L	5	8U2085	1	RING	B	25	5W8503	1	SHIM 0.1MM (.003IN) THK
L	6	5W8507	1	SEAL-O-RING		26	8U2613	1	PLUG
	7	8U2084	1	SPRING	C	27	6V5195	3	BOLT
	8	NSS	1	BOLT	L	28	5W6320	2	SEAL-O-RING
	9	NSS	1	PISTON		29	8U2068	1	BLOCK
	10	5W1468	1	RING-RETAINING		30	8U2075	1	VALVE GP
	11	8U2083	1	NOZZLE	L	31	5W3035	1	SEAL-O-RING
	12	8U2073	1	VALVE GP		32	NSS	1	HOUSING
L	13	5W1773	1	SEAL-O-RING		33	NSS	1	PISTON
	14	NSS	1	HOUSING		34	8U2076	1	SPRING
	15	NSS	1	PISTON		35	8U2077	1	SEAT
	16	8U2074	1	SPRING	L	36	8U2078	1	SEAL-O-RING
B	17	8U2071	1	SHIM 0.5MM (.019IN) THK		37	8U2079	1	PLUG
B	17	5W8503	1	SHIM 0.1MM (.003IN) THK		38	8U2080	1	NUT
	18	8U1800	1	SEAT		39	8U2081	1	SCREW
	19	8U2072	1	PLUG					
	20	8U2069	2	VALVE GP (EACH INCLUDES) SEAL-O-RING					
L	21	5W1773	1	SEAL-O-RING					

B USE AS REQUIRED

C INDICATES CHANGE

L REPAIR KIT PARTS INCLUDED IN REPAIR KIT ON PAGE 63.04

110225201 920306

Ref.	Part number	Description	Qty	Code	Group page
1	8U-2082	VALVE GP	1		
2	NSS	HOUSING	1		
3	8U-2086	RING	2	L	
4	5W-1753	SEAL-O-RING	1	L	

8U-2829 PUMP GP-PISTON (continued)

Ref.	Part number	Description	Qty	Code	Group page
5	8U-2085	RING	1	L	
6	5W-8507	SEAL-O-RING	1	L	
7	8U-2084	SPRING	1		
8	NSS	BOLT	1		
9	NSS	PISTON	1		
10	5W-1468	RING-RETAINING	1		
11	8U-2083	NOZZLE	1		
12	8U-2073	VALVE GP	1		
13	5W-1773	SEAL-O-RING	1	L	
14	NSS	HOUSING	1		
15	NSS	PISTON	1		
16	8U-2074	SPRING	1		
17	8U-2071	SHIM 0.5MM (.019IN) THK	1	B	
17	5W-8503	SHIM 0.1MM (.003IN) THK	1	B	
18	8U-1800	SEAT	1		
19	8U-2072	PLUG	1		
20	8U-2069	VALVE GP	2		
(EACH INCLUDES)					
21	5W-1773	SEAL-O-RING	1	L	
22	NSS	HOUSING	1		
23	NSS	PISTON	1		
24	8U-2070	SPRING	1		
25	8U-2071	SHIM 0.5MM (.019IN) THK	1	B	
25	5W-8503	SHIM 0.1MM (.003IN) THK	1	B	
26	8U-2613	PLUG	1		
27	6V-5195	BOLT	3	C	
28	5W-6320	SEAL-O-RING	2	L	
29	8U-2068	BLOCK	1		
30	8U-2075	VALVE GP	1		
31	5W-3035	SEAL-O-RING	1	L	
32	NSS	HOUSING	1		
33	NSS	PISTON	1		
34	8U-2076	SPRING	1		
35	8U-2077	SEAT	1		
36	8U-2078	SEAL-O-RING	1	L	

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