

P-80

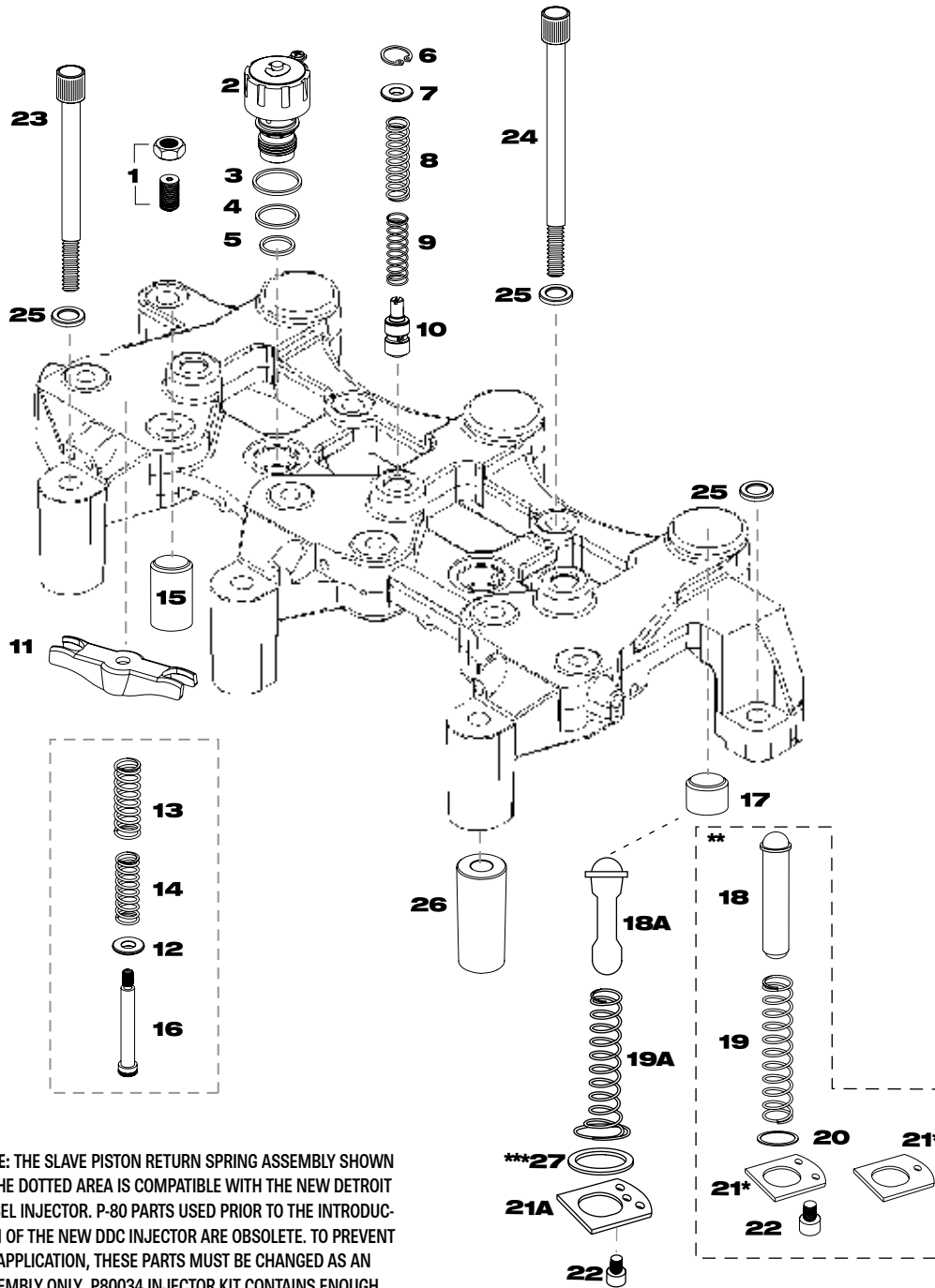
ENGINE BRAKE

PARTS GUIDE

APPLICATION | DETROIT DIESEL SERIES 60 MY2000 12.7L / 14L ENGINES
WITH INJECTOR SETTING 81.0MM ONLY

P-80 - P80001 FRONT HOUSING ASSEMBLY

P-80 - P80002 REAR HOUSING ASSEMBLY



NOTE: THE SLAVE PISTON RETURN SPRING ASSEMBLY SHOWN IN THE DOTTED AREA IS COMPATIBLE WITH THE NEW DETROIT DIESEL INJECTOR. P-80 PARTS USED PRIOR TO THE INTRODUCTION OF THE NEW DDC INJECTOR ARE OBSOLETE. TO PREVENT MISAPPLICATION, THESE PARTS MUST BE CHANGED AS AN ASSEMBLY ONLY. P80034 INJECTOR KIT CONTAINS ENOUGH PARTS TO RETRO-FIT BOTH FRONT AND REAR HOUSINGS

SEE SERVICE BULLETIN #154. HOUSING SERIAL NUMBER 091476 AND GREATER ARE COMPATIBLE WITH THE NEW DDC INJECTOR.

* PRIOR TO HOUSING SERIAL #88088 RETAINER PN P80017 HAS ONLY ONE HOLE AND REQUIRES (3) P80012 PER HOUSING

** HOUSING SERIAL #80000 TO 92499 AND 800000B TO 800156B CONTAINED PARTS IN DOTTED AREA. DO NO MIX WITH PARTS 18A, 19A OR 21A

*** HOUSINGS WITH SERIAL #80000 TO 92499 AND 800000 TO 800156B ONLY. WHEN INSTALLING PARTS 18A, 19A AND 21A REQUIRE WASHER #27 (P80030) 3 PER HOUSING.

A RETRO-FIT KIT IS AVAILABLE TO UPDATE A P-80 MASTER ASSEMBLY TO A P-80A MASTER ASSEMBLY. KIT #P80051.

P-80 - P80001 FRONT HOUSING ASSEMBLY**P-80 - P80002 REAR HOUSING ASSEMBLY**

DIAGRAM #	PART #	DESCRIPTION	QUANTITY	
			FRONT	REAR
1	P60073	PACLASH ADJUSTING SCREW, 1/2" NF	6	6
2	P04205	SOLENOID-12VOLT	2	1
3	P01081	SOLENOID SEAL-UPPER	2	1
4	P01082	SOLENOID SEAL-CENTER	2	1
5	P01083	SOLENOID SEAL-LOWER	2	1
6	P15561	SNAP RING	3	3
7	P38015	PLAIN WASHER	3	3
8	P11434	OUTER CONTROL VALVE SPRING, WHITE	3	3
9	P11435	INNER CONTROL VALVE SPRING, NATURAL	3	3
10	P01500	CONTROL VALVE	3	3
11	P60070	SLAVE PISTON BRIDGE	3	3
12	P80088	SPRING RETAINER	3	3
13	P80090	OUTER BRIDGE SPRING	3	3
14	P80089	INNER BRIDGE SPRING	3	3
15	P80011	SLAVE PISTON 7/8" O.D.	6	6
16	P80091	SHOULDER BOLT	3	3
17	P80018	MASTER PISTON 1" O.D.	3	3
18	P80020	MASTER LINK-OBSOLETE (SEE NOTE)	3	3
18A	P80033	LINK-P80A ONLY	3	3
19	P80013	MASTER PISTON LINK SPRING-P80	3	3
19A	P80031	MASTER PISTON LINK SPRING P80A	3	3
20	P80016	WASHER-P80, 3/4" O.D. P-80 ASSEMBLIES ONLY	3	3
21*	P80017	RETAINER-P80, SINGLE HOLE, P-80 ASSEMBLIES ONLY	3	3
21*	P80024	RETAINER-P80, DOUBLE HOLE, P-80 ASSEMBLIES ONLY	3	3
21A	P80038	MASTER PISTON RETAINER TRIPLE HOLE, P-80A ASSEMBLIES ONLY	3	3
22	P80012	SET SCREW, 10-24X1/2	6	6
23	P80014	CAPSCREW-M12 X 150MM	3	3
24	P80015	CAPSCREW M12 X 180MM	3	3
25	P60022	WASHER	7	7
26	P80019	SPACER-TUBE	3	3
***27	P80030	WASHER 1" O.D. P-80A ASSEMBLIES ONLY	3	3
Ni.	P80001	ENGINE RETARDER HOUSING ASSEMBLY-P80 FRONT	1	0
Ni.	P80002	ENGINE RETARDER HOUSING ASSEMBLY-P80 REAR	0	1
Ni.	P80010	TUNE-UP KIT-P80 (SOLD SEPARATELY)		