

E-7 DUAL BRAKE VALVE

SERVICE PARTS
CATALOG **03-I-1**

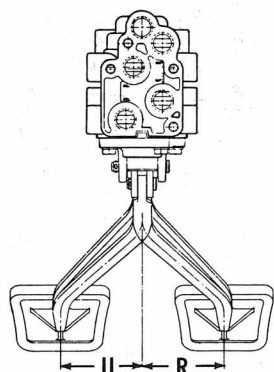
THE E-7 DUAL BRAKE VALVE IS A GRADUATING, DIRECTIONAL CONTROL VALVE. IT IS GENERALLY USED TO CONTROL THE SERVICE BRAKE OF A VEHICLE. IT IS USED IN DUAL OR SPLIT AIR BRAKE SYSTEMS, AND IS ACTUALLY TWO SEPARATE AND INDEPENDENT VALVES IN THE HOUSING, OPERATED BY A SINGLE ACTUATING MECHANISM.

FOR SERVICE/MAINTENANCE INFORMATION, SEE SERVICE DATA SHEET SD-03-5.

MAJOR MAINTENANCE KIT IS PC. NO. 289353
MINOR MAINTENANCE KIT IS PC. NO. 289352

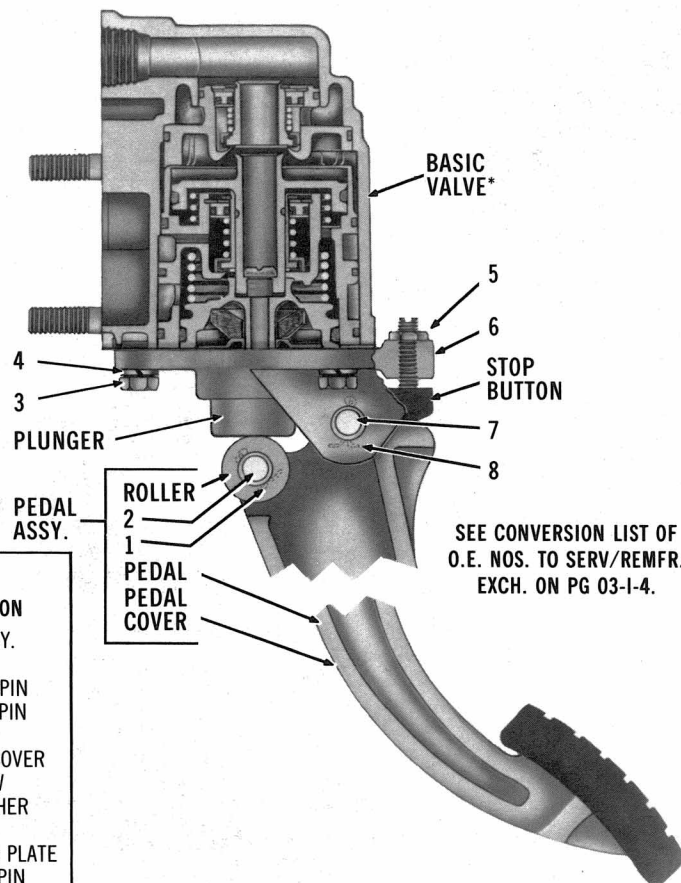
APPROX. WT. (BASIC VALVE) 3.3 LBS.

VMRS NO. 13-010-051



SEE PG. 03-I-3 FOR
MANIFOLD & MTG. PLATE
DETAILS

WITH PEDAL AND MOUNTING PLATE



COMMON SERVICE PARTS

NO.	PC. NO.	QTY.	DESCRIPTION
	SEE SCHEDULE	1	PEDAL ASSY.
	SEE SCHEDULE	1	ROLLER
1	200981	1	ROLLER PIN
2	210492	1	COTTER PIN
	SEE SCHEDULE	1	PEDAL
	SEE SCHEDULE	1	PEDAL COVER
3	203788	3	CAP SCREW
4	237648	3	LOCK WASHER
5	230250	1	HEX NUT
6	247268	1	MOUNTING PLATE
7	240445	1	FULCRUM PIN
8	210492	1	COTTER PIN

SUB ASSY. AND DETAIL REFERENCE

E-7 DUAL BR. VLV. O.E. PC. NO.	CUSTOMER IDENTIFICATION	BASIC VALVE* PC. NO.	PEDAL ASSY. PC. NO.	PEDAL PC. NO.	PEDAL COVER PC. NO.	ROLLER PC. NO.	PLUNGER PC. NO.	STOP BUTTON PC. NO.	U DIM'N	R DIM'N	REMARKS	MANIFOLD PC. NO.	MOUNTING PLATE PC. NO.
101231	NONE	288267	287086	291018	244682	244954	291218	243890	—	2.00"	OFFSET RT	NONE	NONE
101813	IHC-574747-C91	101818	288866	245128	244682	244954	292357	243890	—	3.25"	OFFSET RT	NONE	NONE
101814	IHC-574788-C91	101818	286721	245127	244682	244954	246452	243890	—	.94"	OFFSET RT	NONE	NONE
101817	IHC-575072-C91	101818	282088	245134	244682	244954	244680	243890	—	—	STRAIGHT	NONE	NONE
A282410	FORD-DOHA-2A270-C	286771	283591	247795	NONE	245118	244680	247241	.59"	—	OFFSET LFT	247295	247272
283866	NONE	286774	288868	245128	244682	246045	244680	243890	—	3.25"	OFFSET RT	NONE	NONE
284815	NONE	288383	286723	245134	244682	246045	244680	243890	—	—	STRAIGHT	NONE	NONE
285147	NONE	286771	283591	247795	NONE	245118	244680	247241	.59	—	OFFSET LFT	247295	247272
286711	IHC-459006-C91	288383	286720	245127	244682	246045	249776	243890	—	.94"	OFFSET RT	NONE	NONE
286712	IHC-459007-C91	288383	286721	245127	244682	244954	244680	243890	—	.94"	OFFSET RT	NONE	NONE
286713	IHC-459008-C91	288383	286722	290668	244682	246045	244680	243890	.94"	—	OFFSET LFT	NONE	NONE
286714	IHC-459009-C91	288383	286723	245134	244682	246045	244680	243890	—	—	STRAIGHT	NONE	NONE
287124	FORD-DSTA-2A270-AA	287564	281172	245551	244682	245118	244650	243890	.88"	—	OFFSET LFT	NONE	NONE
287176	FORD-7SHA-2A270-AA	286771	287165	290980	NONE	245118	244680	247241	2.09"	—	OFFSET LFT	247295	247272
287291	NONE	288383	286705	245134	244682	245118	290204	239512	—	—	STRAIGHT	NONE	NONE
287395	NONE	287440	287086	291018	244682	244954	291218	243890	—	2.00"	OFFSET RT	NONE	NONE
287407	WHITE-02-7023364	287411	287409	291152	246279	245118	244680	239512	—	3.25"	OFFSET RT	NONE	NONE
287408	WHITE-02-7023363	287411	287409	291152	246279	245118	249776	243890	—	3.25"	OFFSET RT	NONE	NONE
287501	NONE	287440	287566	291237	244682	244954	291218	243890	2.00"	—	OFFSET LFT	NONE	NONE
287693	WHITE-72001-0002	288267	288868	245128	244682	246045	249776	243890	—	3.25"	OFFSET RT	NONE	NONE
287855	WHITE-72002-0006	287856	NONE	291324	NONE	244954	244680	247241	—	—	ACT. ARM	NONE	NONE
288513	NONE	288383	NONE	NONE	NONE	NONE	244680	243890	—	—	—	NONE	NONE
288862	IHC-477139-C91	288383	288866	292251	244682	244954	292357	243890	—	3.25"	OFFSET RT	NONE	NONE
288863	IHC-479537-C91	288383	288867	245128	244682	244954	244680	243890	—	3.25"	OFFSET RT	NONE	NONE
289490	IHC-486661-C91	288383	289494	292654	244682	244954	249776	243890	—	3.50"	OFFSET RT	NONE	NONE

A-SAME AS 285147 EXCEPT CUSTOMER IDENTIFIED.

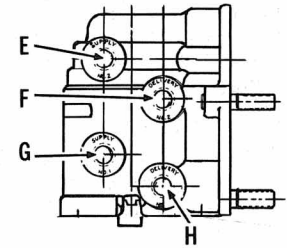
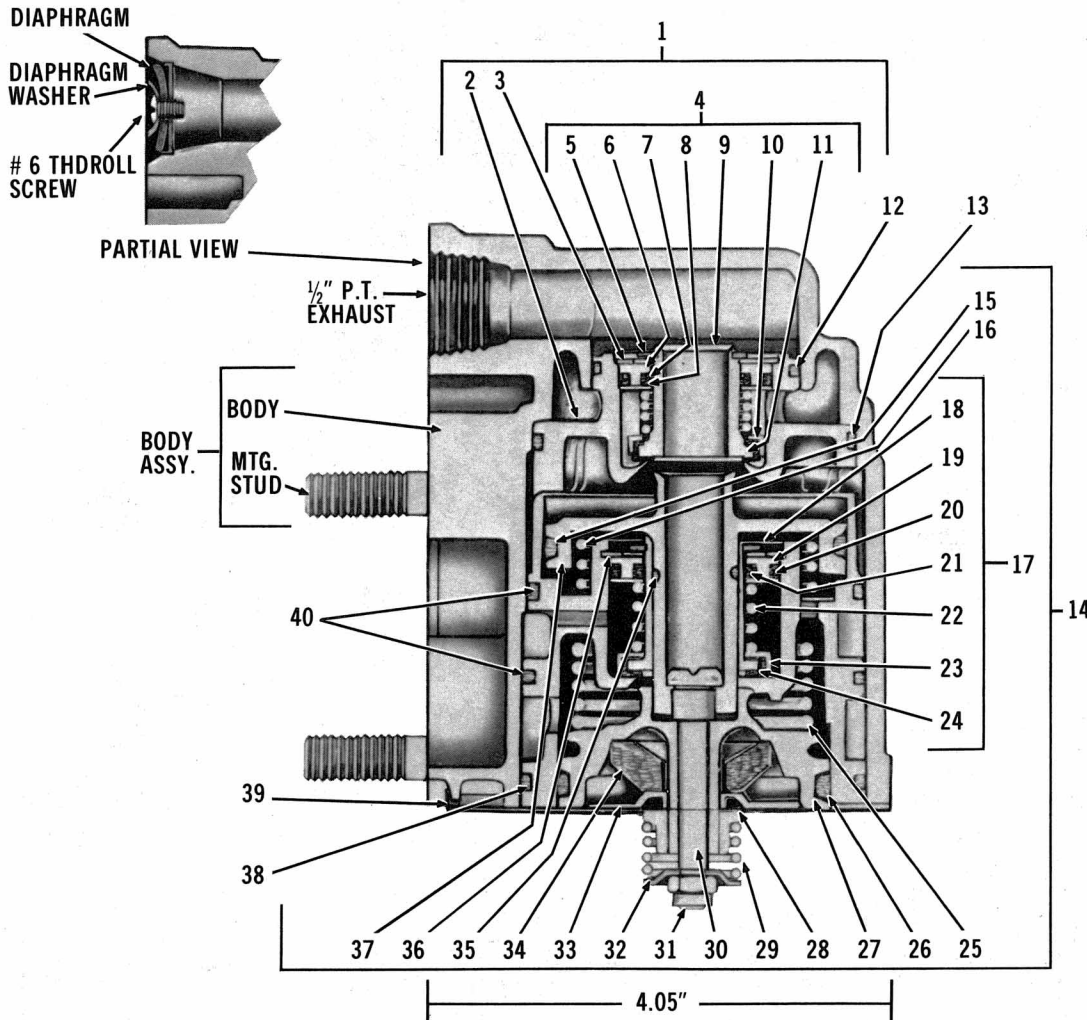
* REFER TO BACK OF PG. (03-I-2) FOR BASIC VALVE DETAILS AND SERV/REMFR. EXCH. INFORMATION.

THIS CATALOG SUPERSEDES CATALOG
03-J-1 REV. 8/77.

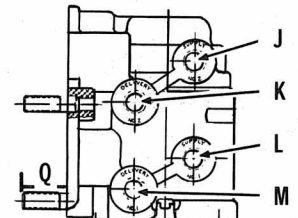
E-7 DUAL BRAKE VALVE

SERVICE PARTS
CATALOG **03-I-2**

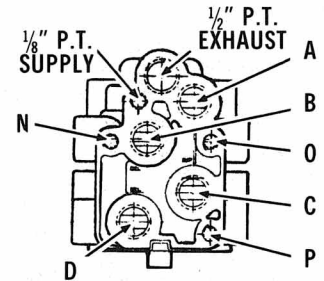
E-7 BASIC VALVE



RIGHT SIDE VIEW



LEFT SIDE VIEW



REAR VIEW

SEE CONVERSION LIST OF
O.E. NOS. TO SERV/REMFR.
EXCH. ON PG. 03-I-4.

SUB ASSY. AND DETAIL REFERENCE

BASIC E-7 DUAL BR. VALVE PC. NO.	FOR SERV. OR REMFR. EXCH. USE PC. NO.	PORT SIZES												BODY OR BODY ASSY. PC. NO.	MOUNTING STUDS			STUD THD. SIZE	Q DIM'N.	DIA- PHRAGM	DIA- PHRAGM WASHER	#6 THDROLL SCREW
		A	B	C	D	E	F	G	H	J	K	L	M		N PC. NO.	O PC. NO.	P PC. NO.					
101818	101818	1/2	1/2	1/2	1/2	1/4	3/8	1/4	3/8	1/4	3/8	1/4	3/8	101819	None	None	None	—	—	AB	A	A
—	C284760	1/2	1/2	1/2	1/2	1/4	—	1/4	—	—	—	—	—	283307	None	None	None	—	—	AB	A	A
286771	C284760	1/2	1/2	1/2	1/2	1/4	—	1/4	—	—	—	—	—	283307	None	None	None	—	—	AB	A	A
286774	286774	1/2	1/2	1/2	1/2	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	248114	—	—	—	—	—	1/2" P.T. Exhaust		
287411	287411	1/2	1/2	1/2	1/2	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	290662	None	None	None	—	—	1/2" P.T. Exhaust		
287440	287440	1/2	1/2	1/2	1/2	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	287439	290664	290664	290664	3/8-16	.75"	1/2" P.T. Exhaust		
287564	287564	1/2	1/2	1/2	1/2	1/4	3/8	1/4	3/8	1/4	1/4	1/4	1/4	287565	291769	291769	291769	3/8-16	.94"	AB	A	A
287856	287856	1/2	1/2	1/2	1/2	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	291323	None	None	None	—	—	1/2" P.T. Exhaust		
288267	288267	1/2	1/2	1/2	1/2	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	288385	None	None	None	—	—	AB	A	A
288383	288383	1/2	1/2	1/2	1/2	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	288384	None	None	None	—	—	AB	A	A

A - AVAILABLE IN MAJOR MAINTENANCE KIT 289353.

B - AVAILABLE IN MINOR MAINTENANCE KIT 289352.

C - THIS VALVE PACKAGE IS FOR SERVICE/REMFR. EXCH. ON FIREWALL MTD. VALVES (FORD).

CONTAINS: BASIC VALVE 286771, SEALING RINGS 293561(2), 247227(2) AND 247298(6).

E-7 BASIC VALVE

COMMON SERVICE PARTS

NO.	CODE	QTY.	DESCRIPTION
1	A	1	PISTON ASSY.
2	A	1	UPPER STATIC PISTON
3	A	1	RETAINING RING
4	AB	1	INLET AND EXH. VALVE
5	AB	1	RETAINING RING
6	AB	1	O-RING RETAINER
7	AB	1	INTERIOR O-RING
8	AB	1	EXTERIOR O-RING
9	AB	1	SPRING
10	AB	1	VALVE RETAINER
11	AB	1	INLET AND EXH. VALVE
12	AB	1	O-RING
13	AB	1	O-RING
14	A	1	LOWER STATIC PISTON ASSY.
15	AB	1	O-RING
16	AB	1	PISTON RELAY SPRING
17	AB	1	INLET AND EXH. VALVE ASSY.
18	AB	1	RETAINING RING
19	AB	1	O-RING RETAINER
20	AB	1	EXTERIOR O-RING
21	AB	1	INTERIOR O-RING
22	AB	1	SPRING
23	AB	1	VALVE RETAINER
24	AB	1	INLET AND EXH. VALVE
25	AB	1	PISTON RETURN SPRING
26	AB	1	O-RING
27	A	1	PISTON

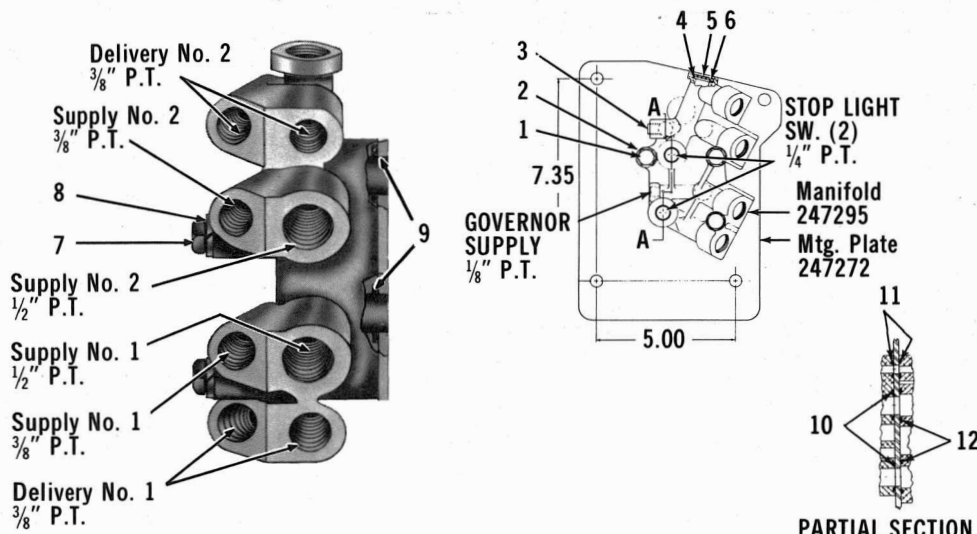
NO.	CODE	QTY.	DESCRIPTION
28	AB	1	SPRING SEAT NUT
29	AB	1	SPRING
30	B	1	STEM
31	AB	1	#10 LOCK NUT
32	A	1	SPRING GUIDE
33	A	1	SPRING SEAT
34	AB	1	RUBBER SPRING
35	AB	1	O-RING
36	A	1	RETAINING RING
37	A	1	RELAY PISTON
38	AB	1	O-RING
39	A	1	RETAINER
40	AB	2	O-RING
*	B	1	1/4" LOCK NUT
*	B	1	INNER STEM SPRING
*	B	1	OUTER STEM SPRING
**	AB	2	SEALING RING, .560" OD
**	AB	2	SEALING RING, .872" OD
**	AB	2	SEALING RING, .755" OD

* REQUIRED FOR EARLY DESIGN

** SOME E-7 BRAKE VALVES ARE MOUNTED TO A FIREWALL PLATE WITH A MANIFOLD ON THE ENGINE COMPARTMENT SIDE. THESE SEALING RINGS ARE USED TO SEAL THE E-7 VALVE AND THE MANIFOLD TO THE MOUNTING PLATE.

A- AVAILABLE IN MAJOR MAINTENANCE KIT 289353.
B- AVAILABLE IN MINOR MAINTENANCE KIT 289352.

MANIFOLD AND MOUNTING PLATE DETAILS



NO.	PC. NO.	QTY.	DESCRIPTION
1	203535	1	CAP SCREW
2	202983	1	LOCK WASHER
3	233410	1	PIPE PLUG, 1/8
4	214747	1	O-RING, 13/16 OD
5	233649	1	RETAINING RING
6	247266	1	SEALING DISK
7	232009	2	CAP SCREW
8	202983	2	LOCK WASHER
9	247298	4	SEALING RING .872 OD
10	293561	2	SEALING RING .755 OD
11	247227	2	SEALING RING .56 OD
12	247298	2	SEALING RING .872 OD

PARTIAL SECTION A-A

EXCH. ON PG. 03-I-4.

E-7 DUAL BRAKE VALVE

SERVICE PARTS
CATALOG **03-I-4**

E-7 BRAKE VALVE CONVERSION LIST O.E.M. TO SERVICE/REMFR. EXCH.

BENDIX E-7 O.E. PC. NO.	CUSTOMER IDENTIFICATION	VALVE DESCRIPTION	FOR SERVICE OR REMFR. EXCH. USE PC. NO. (BASIC VALVE ONLY)
101130	FORD-EOHT-2A270-AA	VALVE WITH PEDAL	287564
101231	NONE	VALVE WITH PEDAL	288267
101363	FORD-EOHT-2A270-BA	VALVE WITH PEDAL	287564
101382	NONE	VALVE WITH ROLLERS & PIN	287073
101473	1HC-492833-C91	VALVE WITH PEDAL	288383
101801	NONE	VALVE ONLY	101801
101813	1HC-574787-C91	VALVE WITH PEDAL	101818
101814	1HC-574788-C91	VALVE WITH PEDAL	101818
101815	1HC-572059-C91	VALVE WITH PEDAL	288383
101817	1HC-572072-C91	VALVE WITH PEDAL	101818
101818	NONE	VALVE ONLY	101818
282410	NONE	VALVE W/MANIFOLD & PEDAL	284760*
283298	YT-TROJAN-2301449	VALVE W/PIN, COTTER PINS, ROLLER PIN & ROLLER PINS	286774
183300	FORD-DOHA-2A270-C	VALVE WITH PEDAL	284760*
283301	NONE	VALVE ONLY	284760*
283864	NONE	VALVE ONLY	286773
283866	NONE	VALVE WITH PEDAL	286774
284350	NONE	VALVE WITH PEDAL	284760*
284688	NONE	VALVE ONLY	284760*
284760	NONE	VALVE WITH O-RINGS	284760*
284815	NONE	VALVE WITH PEDAL	286773
285146	NONE	VALVE WITH PEDAL	284760*
285147	NONE	VALVE W/MANIFOLD & PEDAL	284760*
285745	NONE	VALVE ONLY	286774
286699	NONE	VALVE WITH PEDAL	286774
286711	1HC-459006-C91	VALVE WITH PEDAL	288383
286712	1HC-459007-C91	VALVE WITH PEDAL	288383
286713	1HC-459008-C91	VALVE WITH PEDAL	288383
286714	1HC-459009-C91	VALVE WITH PEDAL	288383
286771	NONE	VALVE ONLY	284760*
286773	NONE	VALVE ONLY	286773
286774	NONE	VALVE ONLY	286774
286775	NONE	VALVE ONLY	286775
286898	FORD-OBS.	VALVE ONLY	286773
286899	OBS-SUP. BY 287124	VALVE WITH PEDAL	287564
286900	OBS-SUP. BY 287125	VALVE WITH PEDAL	287564
286901	NONE	VALVE ONLY	286901
287073	NONE	VALVE ONLY	287073
287124	FORD-DSTA-2A270-AA	VALVE WITH PEDAL	287564

BENDIX E-7 O.E. PC. NO.	CUSTOMER IDENTIFICATION	VALVE DESCRIPTION	FOR SERVICE OR REMFR. EXCH. USE PC. NO. (BASIC VALVE ONLY)
287125	FORD-DSTA-2A270-BA	VALVE WITH PEDAL	287564
287127	FORD-OBS.	VALVE ONLY	287127
287150	NONE	VALVE WITH PEDAL	287073
287166	NONE	VALVE WITH PEDAL	284760*
287176	FORD-75HA-2A270-AA	VALVE W/MANIFOLD & PEDAL	284760*
287254	WHITE-72001-0001	VALVE WITH PEDAL	287411
287291	NONE	VALVE WITH PEDAL	288383
287395	NONE	VALVE WITH PEDAL	287440
287396	NONE	VALVE WITH PEDAL	287440
287407	WHITE-02-7023364	VALVE WITH PEDAL	287411
287408	WHITE-02-7023363	VALVE WITH PEDAL	287411
287411	NONE	VALVE ONLY	287411
287440	NONE	VALVE ONLY	287440
287501	NONE	VALVE WITH PEDAL	287440
287564	NONE	VALVE ONLY	287564
287611	FORD-OBS.	VALVE ONLY	287611
287693	WHITE-72001-0002	VALVE WITH PEDAL	288267
287738	WHITE-72001-0001	VALVE WITH PEDAL	287411
287760	NONE	VALVE ONLY	287760
287855	WHITE-72002-0006	VALVE W/ACT. ARM	287856
287856	NONE	VALVE ONLY	287856
288038	NONE	VALVE ONLY	288038
288095	NONE	VALVE WITH PEDAL	288765
288267	NONE	VALVE ONLY	288267
288268	NONE	VALVE WITH PEDAL	288269
288269	NONE	VALVE ONLY	288269
288319	NONE	VALVE ONLY	288319
288377	NONE	VALVE WITH PEDAL	288378
288378	NONE	VALVE ONLY	288378
288383	NONE	VALVE ONLY	288383
288513	NONE	VALVE W/FUL. PIN, COTTER PINS, ROLLER PINS & ROLLERS	288383
288527	NONE	VALVE WITH PEDAL	287073
288527	NONE	VALVE WITH PEDAL	288383
288777	1HC-524932-C91	VALVE WITH PEDAL	287440
288779	OBS-SUP. BY 288862	VALVE WITH PEDAL	287440
288861	1HC-475990-C91	VALVE WITH PEDAL	288383
288862	1HC-477139-C91	VALVE WITH PEDAL	288383
288863	1HC-479537-C91	VALVE WITH PEDAL	288383
288948	1HC-526744-C91	VALVE WITH PEDAL	288383
289490	1HC-486661-C91	VALVE WITH PEDAL	288383