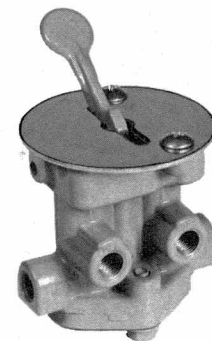


CONTROL VALVE TYPE TW-2

TW-2, TH-2, TH-3, and PE-4 Control Valves

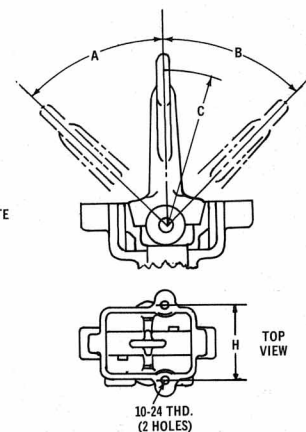
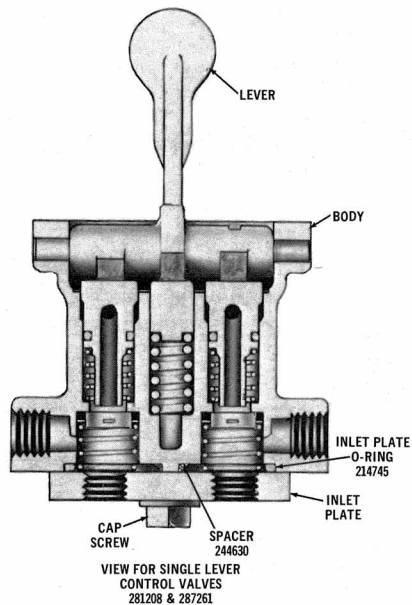
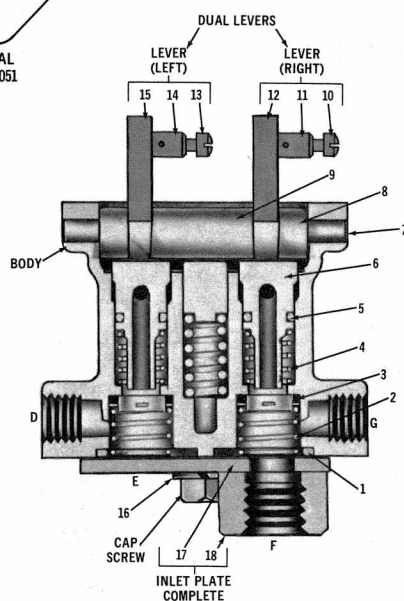
This series of control valves is similar to the TW-1, TW-3 and TW-4 except that two control valves are housed in a single body. A single cammed control lever is used to control both of the internal valves and depending upon the camming, the valve will have one or the other of these designations. The TW-2 control valve has two lever positions. The TH-2 and 3 have three lever positions. The PE-4 also has three lever positions and a "Z" shift pattern to move the lever from the first position to the third position. All of these valves are primarily used to control parking and emergency brakes.



DIAL
246776



DIAL
291051



NO.	PC. NO.	QUAN.	DESCRIPTION
1	238831	1	Inlet Plate O-Ring
2	235729	2	Valve Spring
3	249534	2	Valve
4	234833	2	Plunger Return Spring
5	214749	2	Plunger O-Ring
6	239093	2	Plunger
7	241547	1	Pin
8	245378	2	Spacer
9	245377	1	Spacer

NO.	PC. NO.	QUAN.	DESCRIPTION
See Schedule		1	Lever Complete (Right)
10	210245	1	#8-32 Oval Fil. Hd. Mach. Screw
11	234924	1	Swivel Wire Holder
12	245588	1	Lever Arm
See Schedule		1	Lever Complete (Left)
13	210245	1	#8-32 Oval Fil. Hd. Mach. Screw
14	234924	1	Swivel Wire Holder
15	245588	1	Lever Arm
16	239383	2	1/4" Lock Washer
See Schedule		2	1/4" Hex Hd. Cap Screw
See Schedule		1	Inlet Plate Complete
17	245587	1	Inlet Plate
18	232426	1	Ferrule

MAINTENANCE KIT FOR TW-2
IS PC. NO. 283540.

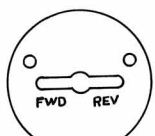
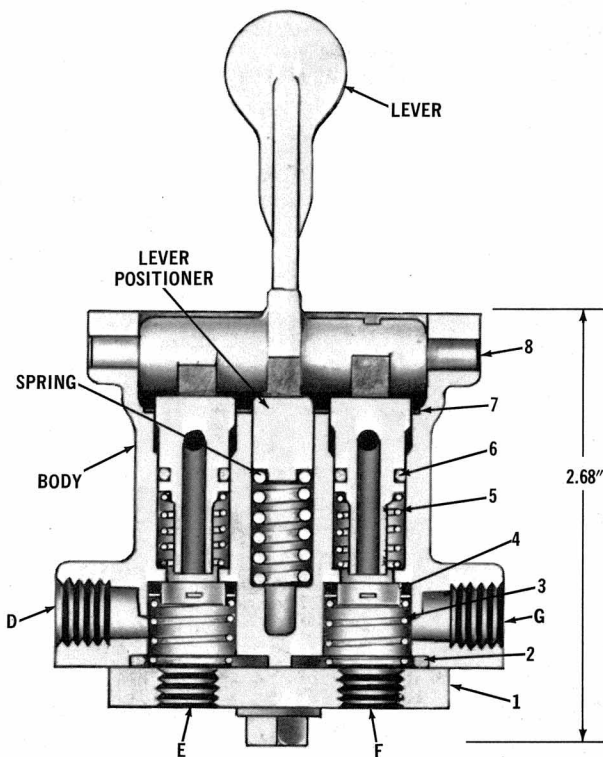
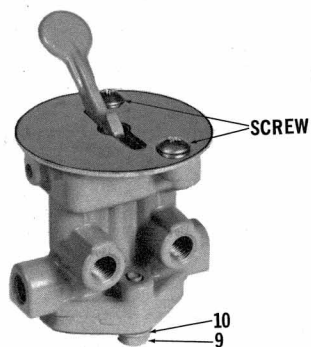
TW-2 CONTROL VALVE* PC. NO.	BASIC VALVE PC. NO.	BODY PC. NO.	LEVER TYPE	PC. NO.	DUAL LEVERS		LEVER POSITION			INLET PLATE PC. NO.	CAP-SCREW PC. NO.	A DEG.	B DEG.	C RAD.	D PIPE TH'D	E PIPE TH'D	F PIPE TH'D	G PIPE TH'D	H IN.
					LEFT PC. NO.	RIGHT PC. NO.	ONE	TWO	THREE										
281208	281206	244624	Positioning	—	281201	281202	Del'y 1 Exh. 2	—	Del'y 2 Exh. 1	281200	203117	37½	37½	.81	—	—	¼	—	1.69
A282058	280905	244633	Positioning	241933	—	—	Exh. 1 Exh. 2	—	Del'y 1 Del'y 2	244631	203198	37½	37½	2.12	—	½	½	—	1.50
B287261	287334	291062	Positioning	241933	—	—	Exh. 1 Exh. 1	—	Del'y 1 Del'y 2	245151	203198	37½	37½	2.12	½	—	—	½	1.50

A—Has Dial, 246776 with Two (2) Screw, 237032.

B—Has Dial, 291051 with Two (2) Screw, 237032.

*NOTE: Use O.E. PC. No. for REMFR. Exch.

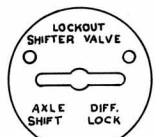
CONTROL VALVE
TYPE TH-3



DIAL
245394



DIAL
245390



DIAL
245988

NO.	PC. NO.	QUAN.	DESCRIPTION
1	245151	1	Inlet Plate
2	238831	1	Inlet Plate O-Ring
3	235729	2	Valve Spring
4	249534	2	Valve
5	234833	2	Plunger Return Spring
6	214749	2	Plunger O-Ring
7	239093	2	Plunger
8	241547	1	Pin (Press In Place)
9	203198	2	¼-20 Hex Hd. Cap Screw
10	239383	2	¼" Lock Washer

TH-3 THREE WAY CONTROL VALVE* PC. NO.	BASIC VALVE PC. NO.	BODY PC. NO.	LEVER		LEVER POSITION			LEVER POSITIONER PC. NO.	SPRING PC. NO.	MTG. PLATE PC. NO.	DIAL PC. NO.	SCREW PC. NO.	A DEG.	B DEG.	C RAD.	D PIPE TH'D IN.	E PIPE TH'D IN.	F PIPE TH'D IN.	G PIPE TH'D IN.	H IN.
			TYPE	PC. NO.	ONE	TWO	THREE													
280898	280904	245152	Centering	241546	Exh-1	Exh-1	Dely-1	NONE	NONE	241549	NONE	237072	37	37	2.12	½	-	-	-	1.69
					Dely-2	Exh-2	Exh-2													
280900	280904	245152	Centering	241546	Exh-1	Exh-1	Dely-1	NONE	NONE	NONE	NONE	NONE	37	37	2.12	½	-	-	-	1.69
					Dely-2	Exh-2	Exh-2													
281015	280914	245152	Positioning	245101	Exh-1	Exh-1	Dely-1	NONE	NONE	NONE	245390	237072	50	50	2.12	½	-	-	-	1.69
					Dely-2	Exh-2	Exh-2													
281026	280914	245152	Positioning	245101	Exh-1	Exh-1	Dely-1	NONE	NONE	NONE	245394	237072	50	50	2.12	½	-	-	-	1.69
					Dely-2	Exh-2	Exh-2													
281133	281132	245152	Positioning	281131	Dely-2	Exh-1	Exh-1	NONE	NONE	NONE	NONE	NONE	50	50	1.44	½	-	-	-	1.69
					Exh-2	Exh-2	Dely-2													
A281289	281560	245152	Positioning	245899	Exh-1	Exh-1	Dely-1	244626	244628	245675	NONE	237072	50	50	2.12	½	-	-	-	1.69
					Dely-2	Exh-2	Exh-2													
281389	281440	245152	Positioning	281442	Exh-1	Exh-1	Dely-1	NONE	NONE	NONE	NONE	NONE	50	50	1.44	½	-	-	-	1.69
					Dely-2	Exh-2	Exh-2													
A281604	281560	245152	Positioning	245899	Exh-1	Exh-1	Dely-1	NONE	NONE	NONE	245988	237072	50	50	2.12	½	-	-	-	1.69
					Dely-2	Exh-2	Exh-2													
282394	280904	245152	Centering	241546	Exh-1	Exh-1	Dely-1	NONE	NONE	246618	NONE	237072	37	37	2.12	½	-	-	-	1.69
					Dely-2	Exh-2	Exh-2													
B283042	283081	247254	Positioning	247264	Exh-1	Exh-1	Dely-1	244626	244628	NONE	NONE	245458	37½	37½	1.76	-	-	½	-	1.50
					Dely-2	Exh-2	Exh-2													
284408	280914	245152	Positioning	245101	Exh-1	Exh-1	Dely-1	NONE	NONE	235307	NONE	237072	50	50	2.12	½	-	-	-	1.69
					Dely-2	Exh-2	Exh-2													

A—Lever Does Not Have Snap Action And Is Stable In Position Nos. One and Three Only.

B—This Valve Has Inlet Plate, 245033.

*NOTE: Use Pc. No's. for REMFR. Exch.