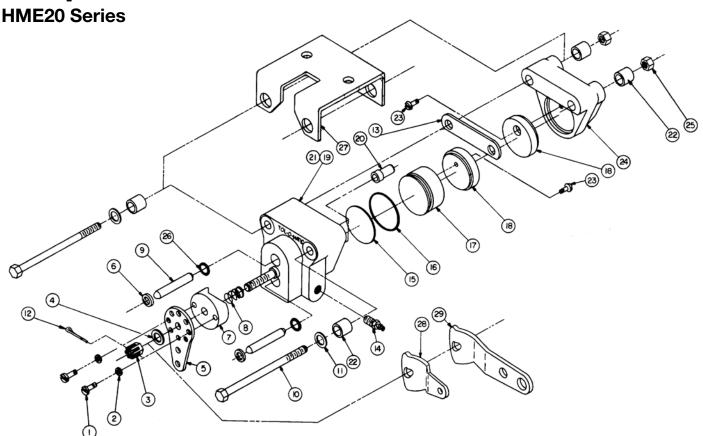


0701-0247_03

Hydraulic/Mechanical Dual Function Caliper Disc Brake



NOTE: This mechanical caliper is not self compensating for wear. It must be adjusted during initial installation and periodically thereafter throughout the Linings' life.

the Linings' life.		MAFC	MBFG	SAFC	SBFC	LAFC	LBFG	MAC	MBC	SAC	SBC	Ρ	BC	MAFC	MBFC	SAFC	SBFC(LAFC	LBFC(MACG	MBC	SACG	SBCG	LACG	LBCG	
ITEM	PART NO.	DESCRIPTION	HME20																							
1.	0707-1012	Screw	2	2					2	2					2	2					2	2				
2.	0707-1011	Lock Washer	2	2					2	2					2	2					2	2				
3.	0707-1008	Slotted Hex Nut	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4.	0701-1007	Flat Washer	1	1	2	2	2	2	1	1	2	2	2	2	1	1	2	2	2	2	1	1	2	2	2	2
5.	0707-1007	Lever Arm	1	1					1	1					1	1					1	1				
6.	0743-1038	Wiper Arm	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7.	0707-1006	Cam	1	1					1	1					1	1					1	1				
8.	0707-1004	Compression Spring	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9.	0743-1036	Actuating Pin	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	0724-1105	Bolt, HHC, 3.75"							2	2	2	2	2	2							2	2	2	2	2	2
10.	0720-1105	Bolt, HHC, 4.50"	2	2	2	2	2	2							2	2	2	2	2	2						
11.	0720-1007	Flat Washer							2	2	2	2	2	2							2	2	2	2	2	2
12.	0743-1048	Cotter Pin	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	0743-1004	Spacer 094" THK		1		1		1		1		1		1		1		1		1		1		1		1

0755-0300 0755-0310

0755-0270

0755-0260

0755-0230

0755-0210

0755-0340

0755-0360 0755-0370

0755-0330

ASSEMBLY MODEL NUMBER

G 0755-0500

G 0755-0510

3 0755-0530 G 0755-0540 0755-0560

0755-0610

0755-0660

0755-0600

0755-0570

			ASSEMBLY MODEL NUMBER																							
			C 0755-0200	C 0755-0210	3 0755-0230	3 0755-0240	3 0755-0260	3 0755-0270	0755-0300	0755-0310	0755-0330	0755-0340	0755-0360	0755-0370	G 0755-0500	G 0755-0510	G 0755-0530	G 0755-0540	6 0755-0560	G 0755-0570	G 0755-0600	G 0755-0610	3 0755-0630	3 0755-0640	3 0755-0660	3 0755-0670
			MAFC	MBFC	SAFC	SBFC	LAFC	LBFC	MAC	MBC	SAC	SBC	LAC	LBC	MAFCG	MBFCG	SAFCG	SBFCG	LAFCG	LBFCG	MACG	MBCG	SACG	SBCG	LACG	LBCG
ITEM	PART NO.	DESCRIPTION	HME20	HME20	HME20	HME20	HME20	HME20	HME20	HME20	HME20	HME20	HME20	HME20	HME20	HME20	HME20	HME20	HME20	HME20	HME20	HME20	HME20	HME20	HME20	HME20
14.	0740-1002	Bleeder Valve	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15.	0726-1003	Back Plate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	0760-1009	O-Ring, EPR													1	1	1	1	1	1	1	1	1	1	1	1
16.	0720-1004	O-Ring, Buna-N	1	1	1	1	1	1	1	1	1	1	1	1												
17.	0720-1027	Piston	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18.	0720-1024	Puck	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19. 20. 21.	0743-9000	Kit: Housing, Stud & Sleeve	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22.	0726-1015	Spacer	4	4	4	4	4	4							4	4	4	4	4	4						
23.	0720-1026	Pan Head Screw	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24.	0724-1011	Dead Side Housing	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25.	0720-1008	Lock Nut	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26.	0720-1023	O-Ring, EPR													2	2	2	2	2	2	2	2	2	2	2	2
	1014-1062	O-Ring, Buna-N	2	2	2	2	2	2	2	2	2	2	2	2										\square		\square
27.	0724-1016	Floating Bracket	1	1	1	1	1	1						_	1	1	1	1	1	1						
28.	0743-1013	Lever, Cam, 3.50"	_				1	1					1	1					1_	1_					1	1
29.	0707-1013	Lever, Cam, 1.75"			1	1					1	1					1	1					1	1		ш

Installation & Maintenance Instructions

All caliper disc brakes listed in these instructions are designed to operate on hydraulic service and as mechanically applied parking brakes.

HYDRAULIC SERVICE: If the brake model has a letter "G" in its suffix, it contains EPR seals which are compatible ONLY with automotive brake fluid. Otherwise, the brake contains Buna-N rubber seals which are compatible with petroleum-based hydraulic fluids. THE HME 20 CALIPER DISC BRAKE IS DESIGNED TO OPERATE AT A MAXIMUM PRESSURE OF 1000 PSI. (68.9 bar)

MECHANICAL SERVICE: There are limits to the maximum lever force which may be applied to the mechanical side of HME 20 Series Caliper Disc Brake. The brake models carry a model designation in the suffix ("S" for the Short or 1.75-inch lever, "M" for the Machined Cam lever and "L" for the Long or 3.5-inch lever).

The maximum lever force which may be applied to ("S" and "M" suffix models is 450 lbf (2,001.7 N). The maximum lever force which may be applied to "L" Suffix models is 225 lbf (1,000.9 N).

INSTALLATION: For models without floating mounting brackets, use two Grade 5 bolts and tighten to 22 ft-lbs (29.83 N-m) of torque. For models with floating mounting brackets, secure the floating mount with 3/8-inch Grade 5 bolts to a sturdy support. These bolts must also be tightened to 22 ft-lbs (29.83 N-m). Care should be taken that the friction puck faces

remain parallel to the disc face and that the disc is clean of any dirt or grease.

The proper clearance between the friction pucks and disc should be .010 inch minimum on each side to a maximum of 0.031 inch per side with new friction pucks. Use the Mechanical Adjustment Nut (#3) to set the proper clearance.

Connect the hydraulic pressure supply line to the 1/8-inch NPT fitting and use the Bleeder Valve (#14) to eliminate any trapped air in the line or in the brake housing.

NOTE: The model HME20 Series Brake will bleed best with the brake mounted at the 4 to 5 o'clock position on the disc with the Bleeder Valve (#14) on top.

Once the brake is connected and bled, be certain that all pressure is removed when the brake is off. Residual or back pressure will cause the brake to drag, reduce puck life and cause heat buildup. If the brake is to be used with a master cylinder, be certain that any residual check valves are removed.

ADJUSTMENTS: The only adjustments that will be required will be the mechanical adjustment. The puck clearance should be checked and readjusted if the total clearance exceeds .070 inch (1.78 mm).



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