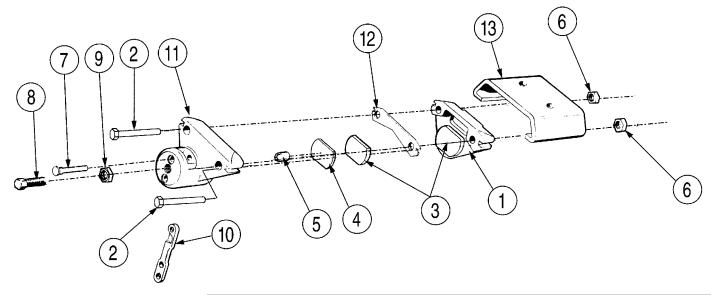




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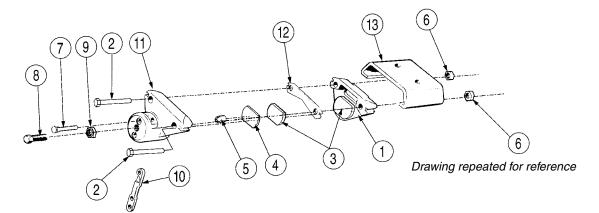
MB-1 Mechanical Caliper Disc Brake

DIE-CAST ALUMINUM HOUSING · CLOCKWISE AND COUNTER CLOCKWISE PULL 3, 6, 9 AND 12 O'CLOCK LEVER POSITIONS



	D. 11		3000-0001 12 0'Clock CW	3000-0002 12 0'Clock CCW	3000-0034 12 0'Clock CW Spaced	3000-0035 12 0'Clock CCW Spaced	3000-0009 12 0'Clock CW w/Bracket	3000-0010 12 0'Clock CCW w/Bracket	3000-0020 12 0'Clock CW Spaced w/Brac	3000-0021 12 0'Clock CCW Spaced w/Bra	3000-0003 3 0'Clock CW	3000-0004 3 0'Clock CCW	3000-0036 3 0'Clock CW Spaced	3000-0037 3 0'Clock CCW Spaced	3000-0011 3 0'Clock CW w/Bracket	3000-0012 3 0'Clock CCW w/Bracket	3000-0022 3 0'Clock CW Spaced w/Brack	3000-0023 3 0'Clock CCW Spaced w/Brac	3000-0005 6 0'Clock CW	3000-0006 6 0'Clock CCW	3000-0038 6 0'Clock CW Spaced	3000-0039 6 0'Clock CCW Spaced	3000-0013 6 0'Clock CW w/Bracket	3000-0014 6 0'Clock CCW w/Bracket	3000-0024 6 0'Clock CW Spaced w/Brack	3000-0025 6 0'Clock CCW Spaced w/Brac	3000-0007 9 0'Clock CW	3000-0008 9 0'Clock CCW	3000-0040 9 0'Clock CW Spaced	3000-0041 9 0'Clock CCW Spaced	3000-0015 9 0'Clock CW w/Bracket	3000-0016 9 0'Clock CCW w/Bracket	_	3000-0027 9 0'Clock CCW Spaced w/Brac
Item 1.	Part No. *3000-1005	Description MB-1 Anvil	1	1	1	1	1	1	1	1	6	1	1	1	1	1	1	<u>က</u> 1	ຕ 1	1	1	1	1	1	<u>ო</u>	1	1	1	1	1	1	1	1	1
	**3005-2005	MB-1 Anvil									1																		П					
2	3000-1011	Hex 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	2	2	2	2	2	2	2	2
3	*,**3000-1006	Brake Lining	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	**3000-1007	Backing 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	1	1	1	1	1	1	1	1
5	3000-1012	Actuator 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	1	1	1	1	1	1	1	1
6	3000-1008	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	2	2	2	2	2	2	2	2
7	3000-1010	Groove 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	1	1	1	1	1	1	1	1
8	3000-1013	Adjuster 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	1	1	1	1	1	1	1	1
9	3000-1009	Jam 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	1	1	1	1	1	1	1	1
10	3000-1004	Lever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	3000-1001	Brake Housing	1	1	1	1	1	1	1	1									1	1	1	1	1	1	1	1								
11	3000-1003	Brake Housing									1	1	1	1	1	1	1	1									1	1	1	1	1	1	1	1
12	3000-1030	1/4" Spacer			1	1			1	1			1	1			1	1			1	1			1	1			1	1			1	1
13	3000-1052	Floating Bracket					1	1	1	1					1	1	1	1					1	1	1	1					1	1	1	1

*Included in Kit 3000-9015 **Included in Kit 3000-9018



INSTALLATION INSTRUCTIONS

- 1. Place brake caliper on mount, connect the brake linkage.
- 2. Adjust the Adjuster Pin (#8) by turning it until it is snug and then backing off 1/2 turn. Then tighten the Jam Nut (#9).

LINING REPLACEMENT

- Back off the Adjuster Pin (#8), disconnect brake linkage and remove the brake caliper from its mount.
- 2. Remove the two Hex Head Screws (#2) and separate the caliper halves.
- 3. Remove the actuator side Lining (#3) and Backing Plate (#4) and discard.
- Remove the Actuator Pin (#5) (behind the Backing Plate) and inspect the pin, backing plate and lever for galling or cracks. If defective, these parts must be replaced.
- Grease the spherical ends of the Actuator Pin (#5) and Adjuster Pin (#8) with a good TEFLON®-additive grease and replace the Pins into the caliper housing spherical ends contacting the Lever (#10).
- 6. Place Backing Plate (#4) into housing then place new Lining (#3) on top of the plate in the housing cavity.
- 7. If using Lining Kit #3000-9001, follow next two steps.
- 8. Remove the Anvil Lining (#3) and scrape all adhesive and lining material from the Anvil (#1) pocket surface. This is done to insure that the new linings will seat properly.
- Put a small spot (about the size of a dime) of weatherstrip adhesive in the pocket on the anvil and place the lining into the recess. Press the two parts together by hand to properly distribute the adhesive.
- Be sure the Adjuster Pin (#8) is backed off completely.
 Reassemble the caliper and torque the Hex Head Screws (#2) to 24 ft-lbs (32.5 N-m).
- 11. Replace the caliper onto the mount and reconnect the linkage. When doing this, turn the Adjuster Pin (#8) until it is snug, then back off 1/2 turn. Then tighten the Jam Nut (#9). Make certain that the clearance between the disc and the friction linings is .010 to .031 inch per side.

LEVER AND HOUSING REPLACEMENT DISASSEMBLY INSTRUCTIONS

- 1. Disconnect linkage and remove caliper from its mount.
- 2. Loosen and remove the two Hex Head Screws (#2) that hold the caliper halves together.
- Remove the Lining (#3), the Backing Plate (#4) and the Actuator Pin (#5) from the Housing (#11).
- Loosen the Jam Nut (#9) and remove the Adjuster Pin (#8) from the housing.
- 5. Remove Groove Pin (#7) with drive pin punch or press.

LEVER AND HOUSING REPLACEMENT

Assembly Instructions

- Apply a good high temperature grease such as a TEFLON®-additive grease to the spherical ends of Adjuster Pin (#8) and Actuator Pin (#5).
- 2. Thread Adjuster Pin (#8) into Housing (#11) until the spherical end protrudes into the lever opening.
- 3. Install Actuator Pin (#5) into Housing (#11) (spherical end first) through the lining cavity.
- 4. Then, place the Backing Plate (#4) and Lining (#3) into the lining cavity.
- Assemble the caliper halves together reusing the Hex Head Screws (#2) and Nuts (#6), torquing them to 24 ftlbs (32.5 N-m).
- Replace the caliper onto the mount and adjust by turning the Adjuster Pin (#8) until it is snug. THEN back off 1/2 turn.
- Tighten the Jam Nut (#9) and attach the linkage to the Lever (#10).
- 8. Prior to use, test the caliper to verify that it is working.

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