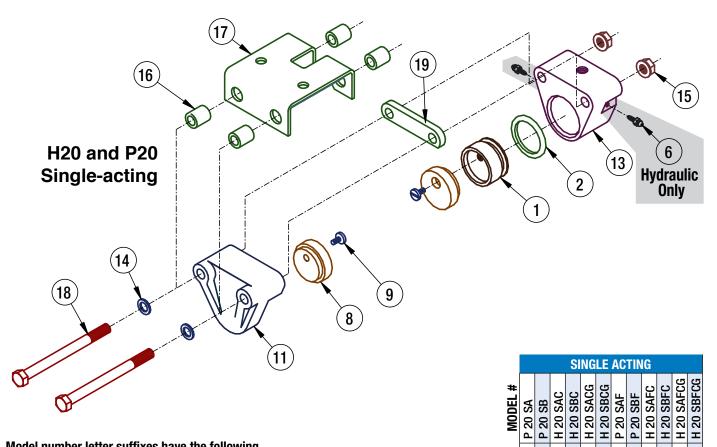
Stolomatic EXCELLENCE IN MOTION

Parts Sheet

CALIPER DISC BRAKES PNEUMATIC BRAKE P20 SERIES, HYDRAULIC BRAKE H20 SERIES

						,							
MODEL #	ASSY. #	MODEL #	ASSY. #	MODEL # A	ASSY. #	MODEL #	ASSY. #	MODEL #	ASSY. #	MODEL #	ASSY. #	MODEL #	ASSY. #
P 20 SA	0724-0000	H 20 SACG	0724-0012	H 20 SAFC 0	0724-0011	P 20 DA	0720-0000	H 20 DBC	0721-0010	H 20 DECG	0725-0011	H 20 DARC	0728-0010
P 20 SB	0722-0000	H 20 SBCG	0722-0013	H 20 SBFC 0	0722-0011	P 20 DB	0721-0000	H 20 DEC	0725-0010	P 20 DAR	0728-0000	H 20 DBRC	0729-0010
H 20 SAC	0724-0010	P 20 SAF	0724-0001	H 20 SAFCG 0	0724-0013	P 20 DE	0725-0000	H 20 DACG	0720-0011	P 20 DBR	0729-0000	H 20 DERC	0719-0010
H 20 SBC	0722-0010	P 20 SBF	0722-0001	H 20 SBFCG 0	0722-0014	H 20 DAC	0720-0010	H 20 DBCG	0721-0011	P 20 DER	0719-0000		



Model number letter suffixes have the following meanings:

"A" indicates the brake is designed to work with a 5/32" (3.97mm) thick disc.

"B" indicates the brake is designed to work with a 1/4" (6.35mm) thick disc.

"C" indicates the brake has bleeder fittings.

"D" indicates the brake has double live sides.

"E" indicates the brake is designed to work with a 1/2" (12.7mm) thick disc.

"F" indicates floating mount bracket.

"G" indicates the brake is built with EPR Seals and is DESIGNED TO BE OPERATED WITH AUTOMOTIVE BRAKE FLUID ONLY. (In brakes without the **"G"** suffix, most petroleum-based, hydraulic fluids may be used).

"R" indicates the brake has retractable piston(s).

		ASS	0724-0	22-0	24-0	0722-0	24-0	22-0	24-0	22-0	24-0	22-0	0724-0	0722-0
ITEM	PART NO.	DESCRIPTION	0	07	07	0	07	0	0	0	0	0	0	01
1.	0720-1027	Non-Retractable Piston	1	1	1	1	1	1	1	1	1	1	1	1
2.	0720-1004	O-Ring, Buna-N	1	1	1	1			1	1	1	1		
Ζ.	0760-1009	0-Ring, EPR					1	1					1	1
6.	0720-1099	Bleeder Screw			2	2	2	2			2	2	2	2
8.	0720-1024	Puck, Friction	2	2	2	2	2	2	2	2	2	2	2	2
9.	0720-1026	Pan Head Screw, 3/8" Long	2	2	2	2	2	2	2	2	2	2	2	2
11.	0724-1011	Dead Side Housing	1	1	1	1	1	1	1	1	1	1	1	1
13.	0728-1057	Housing P20S	1	1					1	1				
13.	0728-1055	Housing H20S			1	1	1	1			1	1	1	1
14.	0720-1007	Washer	2	2	2	2	2	2						
15.	0720-1008	Nut, Hex, Flanged	2	2	2	2	2	2	2	2	2	2	2	2
16.	0743-1071	Spacer Ring							4	4	4	4	4	4
17.	0724-1016	Bracket							1	1	1	1	1	1
18.	0724-1105	Hex. Hd. Bolt, Grade 8, 3-3/4"	2	2	2	2	2	2						
10.	0720-1105	Hex. Hd. Bolt, Grade 8, 4-1/2"							2	2	2	2	2	2
19.	0743-1004	Single-Acting "B" Spacer		1		1		1		1		1		1

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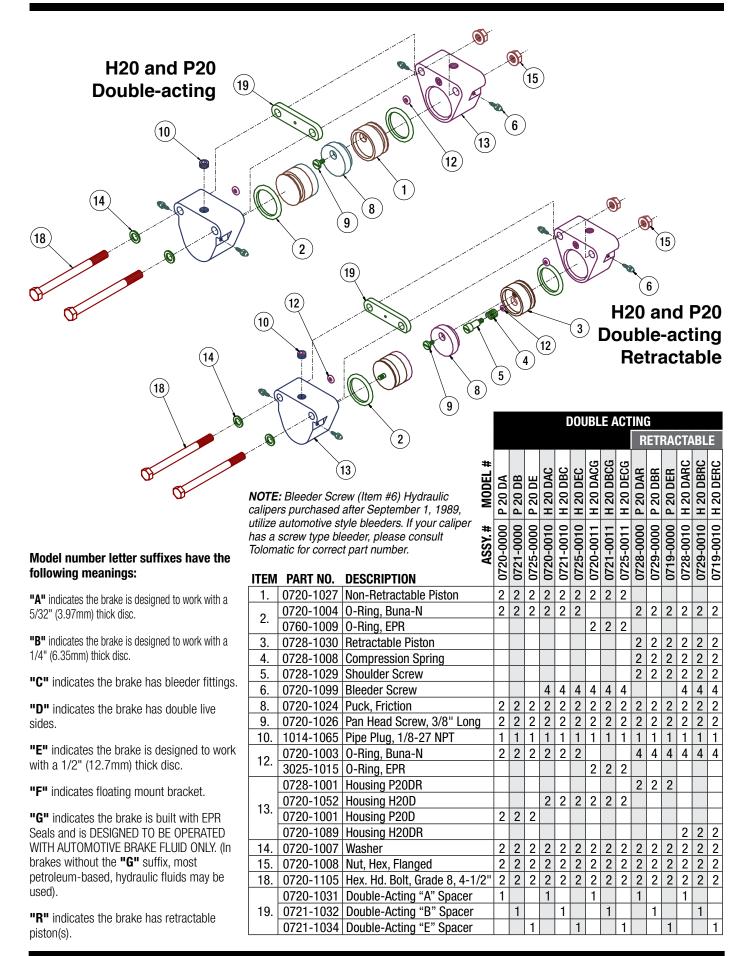
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- Installation/Maintenance Instructions 3
- Mount the Double-Acting Caliper Unit with the two SAE Grade 5 hex head bolts. See diagram for dimensions. Tighten nuts to 30 ft-lbs (40.7 N-m) on 20 series brakes. Care must be taken in mounting the calipers to be sure puck faces are parallel with the disc. Use shims if required. To prevent excessive wear, be sure disc does not rub against the pucks, when they are retracted, or against the housing.
- The floating, single-acting calipers must float freely on their brackets. Puck face should be parallel with disc faces. New calipers should be mounted with a .030-inch clearance between the floating bracket and the Dead Side Housing. Failure to do so will result in uneven puck wear and reduced torque output.
- 3. Discs must be free of dirt and grease for maximum life and braking action.
- 4. (H)(P)20D and (H)(P)20DR double-acting brakes have internal porting between the two housings making it necessary to run only one fluid line to the caliper assembly.
- 5. Pneumatically operated brakes must be connected to a source of clean, dry, filtered air at a pressure not to exceed 100 PSI (6.89 bar). The use of an in-line mist lubricator is recommended to provide a very slight amount of lubrication. Any mineral base lubricating oil compatible with Buna-N Seals may be used.
- 6. Hydraulically operated brakes may be operated at pressures up to 1000 PSI (68.9 bar) using a mineral base hydraulic fluid compatible with Buna-N Seals. If caliper has a suffix "G", use automotive brake fluid only. Also, when replacing seals, if automotive brake fluid is being used order EPR seals.
- 7. When plumbing the fluid system, use a minimum amount of pipe thread sealant on joints to prevent the sealant from entering the system.
- 8. Pressure in the brake cylinder must be relieved when the brake is off. This can be accomplished by using a three-way control valve.

Any back pressure in the cylinder will cause drag and excess heat which will result in reduced puck life. If used with master cylinders, residual pressure checks must be removed.

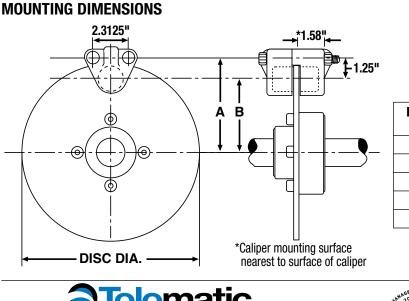
9. Hydraulically operated brakes are provided with bleeder valves. Bleeding is done by loosening one valve screw at high point of brake cylinder. Incomplete bleeding results in sluggish braking action.

NOTE: Do not pressure bleed with more than 5 PSI (.34 bar).

Use of a master cylinder with retractable brake models is not recommended.

MAINTENANCE - PUCK REPLACEMENT

- 1. Be sure no pressure is applied to the caliper during puck replacement.
- 2. Hydraulic lines do NOT need to be removed. (This will eliminate the need to bleed the lines after reinstallation for all models except double acting calipers.)
- Remove the two SAE Grade 8 Hex Head Bolts (#18). This will dismount and disassemble the caliper, exposing the Pucks for replacement. Note the positioning of any Spacers (#19) and Floating Mount Bracket Components (#16 & #17), if any, for later reassembly.
- 4. Remove the Pan Head Screws (#9) that hold the Pucks (#8) in place on each side of caliper. Remove Pucks from Housing (#13) and Dead Side Housing (#11).
- 5. Place new Pucks (#8) into Housings. Replace Pan Head Screws (#9), tighten to hold Pucks in place. (Note: Screw head will fit into recessed area of Puck. Be sure only friction material will contact disc when reassembled.)
- 6. Reassemble caliper (see drawings on pages 1 & 2 if needed) and mount caliper according to installation instructions above.



DISC DIA. (IN.)	Α	В
6.3125	3.531	2.281
8	4.375	3.125
10	5.375	4.125
12	6.375	5.125
16	8.375	7.125





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