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YDRAULIC E 220DI SERII	BR/ ES	AKE CAST IR	DN	Models Include H220DLCI H220DLCIG H220DECI H220DECIG	d: 0735 0735 0735 0735	5-04 5-04 5-04 5-04	05 09 06 10			H2: H2: H2: H2:	20D 20D 20D 20D	ACI ACI BCI BCI	G G	0735-(0735-(0735-(0735-(0403 0407 0404 0408
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2					0735-0403	0735-0407	0735-0404	0735-0408	0735-0405	0735-0409	0735-0406	0735-0410			
	ITEM 1	PART NO. 0735-1041	DESCRIPTION		∿ 0735-0403	◇ 0735-0407	◇ 0735-0404	◇ 0735-0408	0735-0405	c 0735-0409	0735-0406	▷ 0735-0410			
	00000000000000000000000000000000000000	PART NO. 0735-1041 0720-1008	DESCRIPTION Live Side Housing Lock Nut, Flanged		+ × 0735-0403	► \2012 0407	► N 0735-0404	+ C 0735-0408	A 0735-0405	4 C 0735-0409	► 0735-0406	b b b c b c c c c c c c c c c			
2	1. 2. 3.	PART NO. 0735-1041 0720-1008 0720-1007	DESCRIPTION Live Side Housing Lock Nut, Flanged Washer		+ 5 0735-0403	+ × × 0735-0407	+ + N 0735-0404	4 5 0735-0408	4 4 C 0735-0405	4 5 0735-0409	4 5 0735-0406	+ > 0735-0410			
	ITEM 1. 2. 3. 4.	PART NO. 0735-1041 0720-1008 0720-1007 0740-1002	DESCRIPTION Live Side Housing Lock Nut, Flanged Washer Bleeder Valve		+ + > 0735-0403	4 4 5 0735-0407	+ + > 0735-0404	+ + - 0735-0408	4 4 7 6 0735-0405 7	4 4 5 0735-0409	4 4 7 0735-0406	4 4 5 0735-0410			
	1. 2. 3. 4.	PART NO. 0735-1041 0720-1008 0720-1007 0740-1002 0720-1155	DESCRIPTION Live Side Housing Lock Nut, Flanged Washer Bleeder Valve O-Ring, Buna-N		+ + > 0735-0403	+ + > 0735-0407	+ + + 5 0735-0404	7 2 0735-0408	4 4 4 4	60403 7 <th>4 4 5 0735-0406</th> <th>4 4 5 0735-0410</th> <th></th> <th></th> <th></th>	4 4 5 0735-0406	4 4 5 0735-0410			
	ITEM 1. 2. 3. 4. 5.	PART NO. 0735-1041 0720-1008 0720-1007 0740-1002 0720-1155 0720-1157	DESCRIPTION Live Side Housing Lock Nut, Flanged Washer Bleeder Valve O-Ring, Buna-N O-Ring, EPR		+ + -	F F C 0735-0407	+ + + - 0735-0404	80132-0408 4 4 4 4	7 7 7 7 7 7	60135-0409 4 4 4 4	4 4 5 0735-0406	4 4 5 0735-0410			
	ITEM 1. 2. 3. 4. 5. 6.	PART NO. 0735-1041 0720-1008 0720-1007 0740-1002 0720-1155 0720-1157 0740-1035	DESCRIPTION Live Side Housing Lock Nut, Flanged Washer Bleeder Valve O-Ring, Buna-N O-Ring, EPR Piston		4 4 5 0735-0403	4 4 5 0735-0407	4 4 5 0735-0404	2 4 4 4 4 4	4 4 5 0735-0405 4 4 5 0735-0405	4 5 0735-0409	4 4 4 4 4 4	0135-0410			
	ITEM 1. 2. 3. 4. 5. 6. 7.	PART NO. 0735-1041 0720-1008 0720-1007 0740-1002 0720-1155 0720-1155 0720-1157 0740-1035 0740-1081	DESCRIPTION Live Side Housing Lock Nut, Flanged Washer Bleeder Valve O-Ring, Buna-N O-Ring, EPR Piston Puck Assy., Segmei	nted, 220 Molded	7 7 7 7 7 7 7	5 4 5 0735-0407	7 7 7 7 7 7 7 0735-0404	2 4 4 4 4 4 4 4	2 0135-0405	2 4 4 4 4 4 4 4 4	2 4 4 4 4 4 2	0135-0410			
	ITEM 1. 2. 3. 4. 5. 6. 7. 8.	PART NO. 0735-1041 0720-1008 0720-1007 0740-1002 0720-1155 0720-1157 0740-1035 0740-1081 0720-1026	DESCRIPTION Live Side Housing Lock Nut, Flanged Washer Bleeder Valve O-Ring, Buna-N O-Ring, EPR Piston Puck Assy., Segmen Pan Head Screw	nted, 220 Molded	4 4 5 7 4 7 8 7 0735-0403	4 4 5 0735-0407	b b b c 0735-0404	2 4 4 4 4 4 4 4 4	2 4 4 4 4 4 4 4 4	60403 2 4	4 4 2 4 4 4 4 4	4 4 4 5 6 7 7 7			
	ITEM 1. 2. 3. 4. 5. 6. 7. 8. 9.	PART NO. 0735-1041 0720-1008 0720-1007 0740-1002 0720-1155 0720-1155 0740-1035 0740-1081 0720-1026 1014-1065	DESCRIPTION Live Side Housing Lock Nut, Flanged Washer Bleeder Valve O-Ring, Buna-N O-Ring, EPR Piston Puck Assy., Segmen Pan Head Screw Breather Pipe Plug	nted, 220 Molded	1 1 1 1	1 1	1 2 4 5 0735-0404	2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2 4 4 4 4 4 4 4 1 1	60132-0403 4 4 4 4 4 4 4 4 4 4 4 1	90406 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0135-0410			
	ITEM 1. 2. 3. 4. 5. 6. 7. 8. 9.	PART NO. 0735-1041 0720-1008 0720-1007 0740-1002 0720-1155 0720-1155 0740-1035 0740-1081 0720-1026 1014-1065 0733-1085	DESCRIPTION Live Side Housing Lock Nut, Flanged Washer Bleeder Valve O-Ring, Buna-N O-Ring, EPR Piston Puck Assy., Segmel Pan Head Screw Breather Pipe Plug A Spacer, 5/32" dis	nted, 220 Molded	2 4 4 4 4 1 1 1	1 1 2 4 4 4 7 1 1 1 1 1 1	1 5 7 7 7 1 7 7 7 7	2 4 4 4 4 4 4 4 1 1	2 4 4 4 4 4 4 4 4 4 4 1 1 1 1 1 1 1 1 1	2 4 4 4 4 4 1 1	90406 2 4 4 4 4 4 1	0135-0410			
	ITEM 1. 2. 3. 4. 5. 6. 7. 8. 9.	PART NO. 0735-1041 0720-1008 0720-1007 0740-1002 0720-1155 0740-1081 0720-1026 1014-1065 0733-1085 0733-1086	DESCRIPTION Live Side Housing Lock Nut, Flanged Washer Bleeder Valve O-Ring, Buna-N O-Ring, EPR Piston Puck Assy., Segmen Pan Head Screw Breather Pipe Plug A Spacer, 5/32" disc B Spacer, 1/4" disc	nted, 220 Molded	2 4 4 2 4 4 1 <th1< th=""> <th1< th=""> <th1< th=""> <th1< th=""></th1<></th1<></th1<></th1<>	2 4 4 4 4 2 4 1 1	1 0735-0404	2 4 4 4 4 4 4 1 1 1	2 4 4 4 4 4 4 2 4 1 1	60102 2 4 4 4 4 4 4 1 1	2 4 4 4 4 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1	0135-0410			
	ITEM 1. 2. 3. 4. 5. 6. 7. 8. 9. 10.	PART NO. 0735-1041 0720-1008 0720-1007 0740-1002 0720-1155 0720-1155 0740-1081 0720-1026 1014-1065 0733-1085 0733-1086 0733-1087	DESCRIPTION Live Side Housing Lock Nut, Flanged Washer Bleeder Valve O-Ring, Buna-N O-Ring, EPR Piston Puck Assy., Segmen Pan Head Screw Breather Pipe Plug A Spacer, 5/32" dis B Spacer, 1/4" disc L Spacer, 3/8" disc	nted, 220 Molded	2 4 4 2 2 4 1 <th1< th=""> <th1< th=""> <th1< th=""> <th1< th=""></th1<></th1<></th1<></th1<>	2 4 4 4 4 4 4 1 1 1	1 2 4 4 7 1 7 7 7 7	2 4 4 4 4 4 4 4 1 1	9070-22 2 4 4 4 4 4 2 4 1 1 1	60102 2 4 4 4 4 4 4 1 1	2 4 4 4 4 4 4 2 4 4 1 1	0135-0410			
	ITEM 1. 2. 3. 4. 5. 6. 7. 8. 9. 10.	PART NO. 0735-1041 0720-1008 0720-1007 0740-1002 0720-1155 0720-1155 0720-1157 0740-1035 0740-1081 0720-1026 1014-1065 0733-1085 0733-1085 0733-1088	DESCRIPTION Live Side Housing Lock Nut, Flanged Washer Bleeder Valve O-Ring, Buna-N O-Ring, EPR Piston Puck Assy., Segmei Pan Head Screw Breather Pipe Plug A Spacer, 5/32" diss B Spacer, 1/4" disc L Spacer, 3/8" disc E Spacer, 1/2" disc	nted, 220 Molded	2 4 4 4 4 1 <th1< th=""> <th1< th=""> <th1< th=""> <th1< th=""></th1<></th1<></th1<></th1<>	2 4 4 4 4 4 2 4 1 1 1	1 2 4 4 7 1 1 1 1	80400 2 4 4 4 4 4 1 1	2 4 4 4 4 4 4 2 4 1 1	6010-22 2 4 4 4 4 4 2 4 4 4 1 1 1	9070-22 2 4 4 4 4 2 4 4 4 1 1	0135-0410			
	ITEM 1. 2. 3. 4. 5. 6. 7. 8. 9. 10.	PART NO. 0735-1041 0720-1008 0720-1007 0740-1002 0720-1155 0720-1155 0720-1157 0740-1035 0740-1081 0720-1026 1014-1065 0733-1085 0733-1085 0733-1088 0733-1088 0733-1088	DESCRIPTION Live Side Housing Lock Nut, Flanged Washer Bleeder Valve O-Ring, Buna-N O-Ring, EPR Piston Puck Assy., Segmen Pan Head Screw Breather Pipe Plug A Spacer, 5/32" disc B Spacer, 1/4" disc L Spacer, 3/8" disc E Spacer, 1/2" disc O-Ring, Buna-N	nted, 220 Molded	2 4 4 4 4 1 1 1 1 1 1 1 2 2 2 3 2 1 1 1 2 2 3 2 1 <th1< th=""> <th1< th=""> <th1< th=""> <th1< th=""></th1<></th1<></th1<></th1<>	1 1 1 1	2 4 4 4 1 1 1 1 1 1	80400 2 4 4 4 4 4 1 1 1	2 4 4 4 4 4 4 2 4 1 1 2 2	6040-2 2 4 4 4 4 4 4 1 1 1	90400 2 4 4 4 4 4 1 2	0135-0410			
	Image: Non-State Image: Non-State<	PART NO. 0735-1041 0720-1008 0720-1007 0740-1002 0720-1155 0720-1155 0720-1155 0740-1081 0720-1026 1014-1065 0733-1085 0733-1086 0733-1088 0733-1088 0733-1088 0733-1088	DESCRIPTION Live Side Housing Lock Nut, Flanged Washer Bleeder Valve O-Ring, Buna-N O-Ring, EPR Piston Puck Assy., Segmen Pan Head Screw Breather Pipe Plug A Spacer, 5/32" dis B Spacer, 1/4" disc L Spacer, 3/8" disc E Spacer, 1/2" disc O-Ring, Buna-N O-Ring, EPR	nted, 220 Molded	2 4 4 4 4 4 1 1 2 2	2 0735-0407	1 2 4 4 4 2 4 1 <th>2 4 4 4 4 1 1 2 2</th> <th>2 4 4 4 4 4 1 1 2 2</th> <th>60102-2 2 4 4 4 4 4 1 1 2</th> <th>90400 2 4 4 4 4 4 4 4 1 1 2</th> <th>0132-0410 2 4 4 4 4 4 4 1 1 2</th> <th></th> <th></th> <th></th>	2 4 4 4 4 1 1 2 2	2 4 4 4 4 4 1 1 2 2	60102-2 2 4 4 4 4 4 1 1 2	90400 2 4 4 4 4 4 4 4 1 1 2	0132-0410 2 4 4 4 4 4 4 1 1 2			
	Image: Non-State Image: Non-State<	PART NO. 0735-1041 0720-1008 0720-1007 0740-1002 0720-1155 0720-1155 0720-1155 0720-1155 0740-1081 0720-1026 1014-1065 0733-1085 0733-1085 0733-1085 0733-1088 0720-1003 3025-1015 0740-1009	DESCRIPTION Live Side Housing Lock Nut, Flanged Washer Bleeder Valve O-Ring, Buna-N O-Ring, EPR Piston Puck Assy., Segmer Pan Head Screw Breather Pipe Plug A Spacer, 5/32" disc B Spacer, 1/4" disc L Spacer, 3/8" disc E Spacer, 1/2" disc O-Ring, Buna-N O-Ring, EPR Hex Head Bolt, 5.50	nted, 220 Molded	2 4 4 4 4 4 1 1 2 2	2 4 4 4 4 2 4 1 1 1 2	1 2 4 4 4 4 1 1 1 1 1 1 1 1 1	2 4 4 4 4 4 1 1 1 1 2 4	2 4 4 4 4 4 1 1 2 4	60102 2 4 4 4 4 4 1 1 2 4 4 4 4 4 4 4 4 4 4 2 4 1 2 4	9032-0406 2 4 4 4 4 4 1 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0135-0410			

NOTE: Items marked with capital letters are used only in models with those letter suffixes. Model number letter suffixes have the following meanings:

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

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

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

"I" indicates the brake is made of cast iron.

"L" indicates the brake is designed to work with a 3/8" thick disc.





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- "I" indicates the brake is made of cast iron.
- "L" indicates the brake is designed to work with a 3/8" thick disc.
- MAXIMUM BRAKE OPERATING PRESSURE IS 1500 PSI (103.4 bar).

INSTALLATION

- 1. The H220DI Brake is designed for fixed mounting. Use either casting face for mounting the brake against a fixed member with SAE Grade 8 Bolts. torquing them to 480 in-lbs (54.23 N-m).
- 2. When mounting the brake, take care to make certain the puck faces are aligned parallel with the disc.
- 3. Pressure in the brake must be released when the brake is off. Do not operate the brake with master cylinders that have a residual pressure check valve. This back pressure will cause drag and excess heat which will result in reduced Friction Puck life.
- 4. Bleeding Procedure: This caliper disc brake will bleed best when mounted at a 12 o'clock position on the disc. If mounted in another location, it will be necessary to first bleed the brake and then mount it. One bleeder valve should always be at the highest elevation of the brake. Improper bleeding will cause poor braking characteristics.

MAINTENANCE

- 1. Disconnect the brake's hydraulic connections.
- 2. Unbolt the brake from its mounting and then unbolt the brake housing.
- 3. Remove the Segmented Pucks (#7) and install the new Pucks, attaching them with Pan Head Screws (#8), applying Loctite® to the threads and torquing to 20 in-lbs (2.26 N-m).
- 4. Reassemble the brake, paying close attention to the exploded drawing on this sheet for instructions. Then, remount the brake.

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