

Important

Please read these instructions carefully before installing, operating, or servicing your Stearns Brake. Failure to comply with these instructions could cause injury to personnel and/or damage to property if the brake is installed or operated incorrectly. For definition of limited warranty/ liability, contact Rexnord Industries, LLC, Stearns Division, 5150 S. International Dr., Cudahy, WI 53110, (414) 272-1100.

Caution

- Installation and servicing must be made in compliance with all local safety codes including Occupational Safety and Health Act (OSHA). All wiring and electrical connections must comply with the National Electric Code (NEC) and local electric codes in effect.
- Use of this brake in atmospheres containing explosive gases and dusts must be in accordance with NEC article 501. This brake is not suitable for use in certain atmospheres containing explosive gases and dusts. *HazLoc* inspection authorities are responsible for verifying and authorizing the use of suitably designed and installed *HazLoc* equipment. When questions arise consult local *Authority Having Jurisdiction (AHJ)*.
- 3. To prevent an electrical hazard, disconnect power source before working on the brake. If power disconnect point

is out of sight, lock disconnect in the *off* position and tag to prevent accidental application of power.

- Make certain power source conforms to the requirements specified on the brake nameplate.
- Be careful when touching the exterior of an operating brake. Allow sufficient time for brake to cool before disassembly. Surfaces may be hot enough to be painful or cause injury.
- Do not operate brake with housing removed. All moving parts should be guarded.
- Installation and servicing should be performed only by qualified personnel familiar with the construction and operation of the brake.
- 8. For proper performance and operation, only genuine Stearns parts should be used for repairs and replacements.
- After usage, the brake interior will contain burnt and degraded friction material dust. This dust must be removed before servicing or adjusting the brake.

DO NOT BLOW OFF DUST using an air hose. It is important to avoid dispersing dust into the air or inhaling it, as this may be dangerous to your health.

a) Wear a filtered mask or a respirator while removing dust from the inside of a brake.

b) Use a vacuum cleaner or a soft brush to remove dust from the brake. When brushing, avoid causing the dust to become airborne. Collect the dust in a container, such as a bag, which can be sealed off.

General Description

This series of brake is spring-set, electrically released. They contain two to five rotating friction discs (4) driven by a hub (16) mounted on the motor or other shaft.

Note: Fan-guard mounted brakes requiring IP54 & IP55 protection may require additional sealing measures beyond seals provided with

this brake. Pressurized sprays aimed at the fan and brake hub surfaces can result in fluid migration along the motor shaft and keyway, and into the brake. The use of an appropriate sealant such as *RTV* or a *forsheda* seal is advised.

Operating Principle

This series contains two or more friction discs (4) assembled alternately between the endplate (2) friction surface, stationary disc(s) (3) and pressure plate (5). The stationary components are restrained from rotating by being keyed into the endplate. With the brake released, all disc pack components are free to slide axially and the friction disc(s) to rotate.

Brake release occurs when the solenoid coil is electrically energized, causing the solenoid plunger to travel a specified distance and through a lever system, overcoming the pressure spring force. This action releases the clamping force on the disc pack, thereby allowing the friction disc(s) and brake hub to rotate.

Brake sets and torque is produced when electric current to the solenoid coil is interrupted, thereby collapsing the solenoid magnetic field. The solenoid plunger returns to its original de-energized position allowing the lever arm to move forward by virtue of the compressed torque springs. This action compresses the disc pack components which applies a retarding torque to the brake hub and ultimately restores the brake to a spring-set static condition.

Caution! While the brake is equipped with a manual release to allow manual shaft rotation, the motor should not be run with the manual release engaged, to avoid overheating the friction disc(s).

BRAKE MOUNTING Remove manual release knob. A. Push plunger down. 2 1 Remove housing screws. B. Pull manual release to hold plunger. Remove housing. C. Remove support plate screws. ු ම OPT в counterclockwise Þ counterclockwise x6 A. Position endplate on motor register.B. Insert four mounting bolts and tighten. Lift off support plate. B (4) Remove disc pack. (Torque per manufacturer specification) A. Position hub on shaft so that the inner A. Route lead wires through conduit hole. 5 6 surface is flush with motor register. B. Position support plate on endplate. Torque to: 5/16" - 156 lb-in *(18 Nm)*; 3/8" - 288 lb-in *(33 Nm)*; C. Insert six mounting screws with lockwashers; tighten to 85-100 lb-in. 1/2" - 625 lb-in (70 Nm); 3/4" - 2150 lb-in (240 Nm) B. Reassemble disc pack in reverse order of removal.3 ¢ clockwise С 0 - C x6 🖊 * For vertical bakes refer to Service Instruction Sheet 8-078-932-05. Coil Wiring Coil wiring. Refer to Replace housing. 7 8 nameplate for voltage Tighten housing screws to 298 lb-in and release knob connect line voltage here rating.' to 50 in-lb. Caution: Keep wiring away from pinch points. Single Voltage wist lines 1 & 3 voltage here ව OF lines 2 & 4 clockwise Dual Voltage Coil at Low Voltage P connect line voltage here twist lines 3 & 4 and use wire nut * For DC voltages see sheet 8-078-950-00. Dual Voltage Coil at High Voltage

General Maintenance

Warning! Any mechanism or load held in position by the brake should be secured to prevent possible injury or damage to equipment before any disassembly of the brake is attempted or the manual release knob or lever is operated on the brake. Observe all cautions listed at the beginning of this manual.

Note: Do not lubricate any part of the brake as this may cause a malfunction and/or a loss of torque.

Troubleshooting

A. If brake does not stop properly, coasts or overheats:

- 1. Check that manual release knob is not in released mode.
- 2. Check for excessively worn, charred or broken friction discs.
- 3. Check that hub has not loosened and shifted on motor shaft.
- Check that friction discs slide freely over hub. Clean hub and /or file burrs and nicks if required.
- 5. Check that stationary disc(s) and/ or pressure plate can move freely in endplate and that they are not warped from overheating.
- Check endplate slots for wear in the areas where stationary disc(s) and/or pressure plate make contact. Grooves in slots can prevent free disc movement and result in torque loss, stationary disc or friction disc breakage.
- On vertically mounted brakes, check that springs are installed correctly and that stationary disc(s) can slide freely over vertical mounting pins. Check for wear on plunger guide bracket.
- 8. Check that pressure spring nut (19) was properly tightened. Correct compressed

spring height measured to top face of support plate with new friction discs should be approximately:

Torque (lb-ft)	Compressed Spring Length
125	4-23/32
175	4-23/32
230	4-27/32
330	5-3/32
440	5-3/32
550	5-3/32

- 9. Check solenoid air gap (see page 4). Adjust if necessary.
- 10. Check that solenoid linkage can move freely. It requires approximately 18 lbs of pressure on the 125 lb-ft; 23 lbs on the 175, and 230 lb-ft; 28 lbs on 330, 440 and 550 lb-ft to seat solenoid plunger correctly functioning brake.
- 11. Check voltage reading at coil terminals against coil voltage rating.
- 12. Check that brake coil is energized at the same time as, or prior to, motor and de-energized at the same time, or after, motor.
- 13. If stopping time exceeds 1 second, or if the application requires more than five stops per minute, check the thermal requirements to stop load against the thermal capacity of the brake.
- 14. Check for excessive voltage drop in motor line when motor is started. Check wire gauge of supply line against motor starting current and solenoid inrush current. Measure voltage drop at solenoid coil terminals during maximum inrush current condition. To accomplish this, insert a block of wood, or other non-magnetic material, between solenoid plunger and frame. Block thickness should approximately

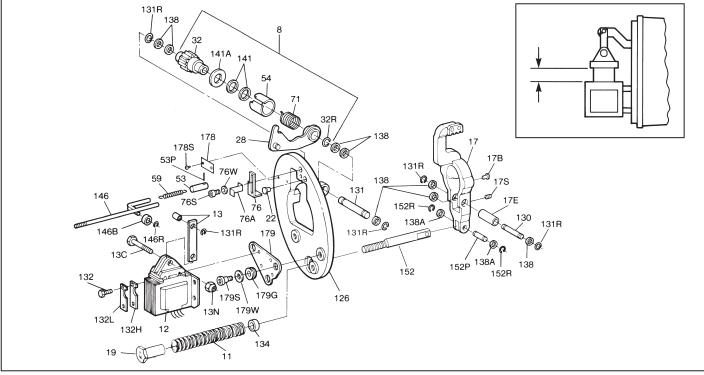
equal solenoid air gap. Energize motor and brake simultaneously, take reading and immediately shut down. This is to prevent motor, brake, or solenoid burnup.

B: If brake hums, solenoid pulls in slowly, or coil burns out:

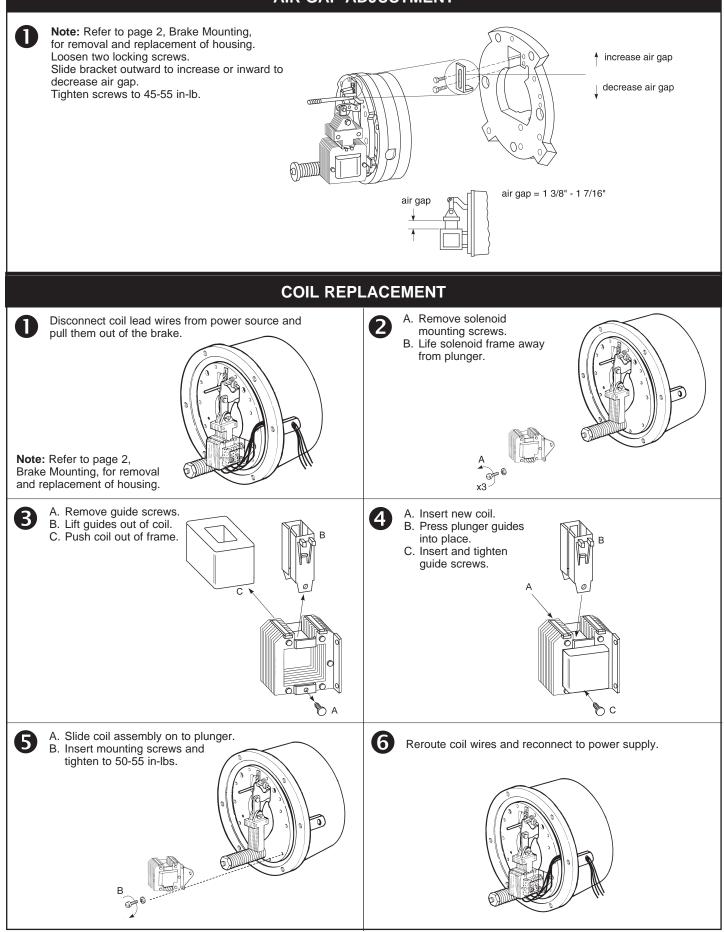
- 1. Check Items A-7, A-9, A-11 and A-14.
 - 2. Check if shading coils are broken.
 - Check for worn plunger guides or if plunger rubs on solenoid frame laminations.
 - 4. Check for worn solenoid plunger and frame.
 - 5. Check if solenoid is dirty.
 - 6. Check if solenoid mounting screws have loosened.
 - Check for worn or binding linkage. For normal pressure required to seat solenoid plunger to frame see A-10.
 - C. If brake is noisy during stopping and/ or friction discs shatter:
 - 1. Check for worn motor bearings allowing shaft runout.
 - 2. On foot mounted brakes, recheck alignment.
 - Check hub position on shaft. The outboard face of hub should protrude 3/32" to 1/8" beyond face of outboard friction disc.
 - 4. Check motor shaft endfloat. It should not exceed 0.020".
 - Check concentricity of endplate and C-face register. Alignment must be within .007" concentricity and face runout. Shaft runout should be within .002" TIR.

Vertical Brake Assembly

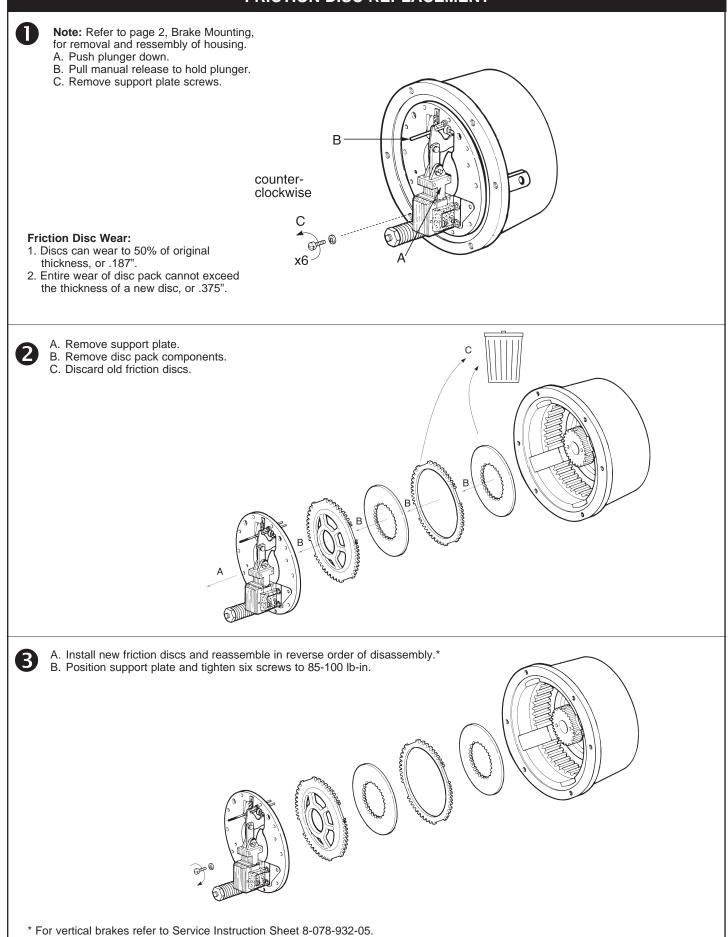
Refer to service sheet 8-078-932-05 for proper spring and spacer positions when brake is assembled for vertical orientation.



AIR GAP ADJUSTMENT



FRICTION DISC REPLACEMENT



Give part number of parts needed, brake model number and brake serial number. The brake model and serial number may identify special brakes not covered by this parts list. • When ordering hubs, specify shaft diameter (hub bore) and keyway. · Consult factory regarding support plate assembly for vertical and extra items. Enclosures are designated as follows: O = Standard E = Dust-tight, waterproof (DTWP) **General Information** 16 👩 · For vertical details, see P/N 8-078-932-05 142 and SA-701. 142S 142W ٢ 15W 15 ଛ 4 ø С 148 Optional Vertical Mounting Vertical Mounting 7S below Motor above Motor 172 171 7B 170 (DC) 170 (AC) 170W 170W 170S 170S Torque (lb-ft) 125 175 230 330 440 550 AC DC AC DC AC DC AC DC AC DC AC DC Current OEOEOEOEOEOEOEOEOEOEOEOE Enclosure 1-082-041-02 C 1-082-042-02 D 1-082-045-02 C 1-082-046-02 D 1-082-012-02 1-082-015-02 1-082-016-02 1-082-021-02 1-082-021-02 1-082-021-02 1-082-022-02 1-082-025-02 1-082-025-02 1-082-025-02 1-082-025-02 1-082-025-02 1-082-025-02 1-082-025-02 1-082-025-02 1-082-025-02 1-082-025-02 1-082-022-02 1-082-022-02 1-082-022 1-082-022 1-082-022 1-082-022 1-082-022 1-082-022 1-082-022 1-082-022 1-082-022 1-082-022 1-082-022 1-082-022 1-082-022 1-082-022 1-082-022 1-082-022 1-082-022 1-082-022 1-082-022 1-082-022 1-082-022 1-082-022 1-082-022 1-082-022 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(horizontal only) 4A 5-18-2001-00 1 1 1 1 5 Pressure plate 1 1 1 1 1 1 1 8-005-205-01 1 1 1 1 1 1 1 1 1 1 1 1 1 Pressure plate 8-005-206-01 1 · <u>1</u> · 1 1 1 1 1 1 1 1 1 1 1 7 Housing, bearing and seal assembly (cast iron) 5-07-2012-00 1 1 1 1 1 1 1 1 1 Housing, bearing and seal assembly (aluminum) 5-07-2112-00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 optiona 1 1 Housing bearing (component of Item 7) Pipe plug (drain) 9-04-0050-00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 7B 7D 9-33-0325-00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 7S Housing seal (component of Item 7) 9-02-0017-00 1 1 15 Machine screw (housing) 9-17-3216-00 15W Lock washer (housing) 9-45-1332-00 1 1 1 1 1 1 1 1 16 Hub and set screw assembly 5-16-2101-00 Hub and set screw assembly 5-16-2102-00 1 1 1 1 1 1 1 1 1 1 1 Hub and set screw assembly 5-16-2103-00 1 1 1 1 Hub and set screw assembly 5-16-2104-00 1 1 69 Gasket (housing to endplate) 8-069-203-00 1 1 1 1 1 1 1 1 1 1 Lead wire bushing (endplate) (internal connection only) 8-140-002-11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 140 1 Lead wire bushing (endplate) (internal connection only) 8-140-002-13 1 1 1 1 1 1 1 1 1 Support plate assembly (see Table 3 for components) 5-42-2071-00-09 1 1 142 Support plate assembly (see Table 3 for components) 5-42-2072-00-09 1 1 Support plate assembly (see Table 3 for components) 5-42-2073-00-09 1 1 Support plate assembly (see Table 3 for components) 5-42-2074-00-09 1 1 Support plate assembly (see Table 3 for components) 5-42-2075-00-09 1 1 Support plate assembly (see Table 3 for components) 5-42-2076-00-09 1 1 Support plate assembly (see Table 3 for components) 1 1 1 5-42-2077-00-42 1 1 1 Support plate assembly (see Table 3 for components) 5-42-2078-00-09 1 1 1 1 1 1 9-17-5016-00 142S Cap screw (support plate) 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 142W Conical spring washer (sup. plate) 1/4 I.D. x 9/16 O.D. 9-46-0006-00 148 Release knob 8-148-804-00

Information required when ordering replacement parts:

			Torque (Ib-ft)		12				75			230				30		44	40		5	50	
			Current	Α		D		AC		C	Α		DC					C	D	-			
			Enclosure	2		0	E	O E	5 0	E	0	EC) E	0	E	0		E	2 0	E			
FABLE 2 Components for	Standar		Brake Model Number →	1-082-011-02	1-082-012-02	1-082-015-02	1-082-016-02	1-082-021-02	2-025-0	2-026-0	2-031-0	1-082-032-02	2-036-0	2-041-0	2-042-0	1-082-045-02	1-082-046-02 1-082-051-02	1-082-052-02	1-082-055-02	2-056-0			
Type of Modification	Item No.	Description (most items not shown)	Part Number \downarrow	1-08;	1-08	1-08	1-08		1-08	1-08	1-08;	1-08	-08	1-08	1-08	1-08	- 080 - 080	1-08	1-08;	1-08			
	2 3 5 7	Endplate with pins Endplate with pins Endplate and oil seal assembly w/pins Endplate and oil seal assembly w/pins Stationary disc Pressure plate Pressure plate Housing and side release assembly	5-20-2001-00 5-20-2002-00 5-22-2014-00 5-22-2015-00 8-003-206-02 8-005-205-02 8-005-206-02 5-07-1002-00	1	1 1 1 1	1 1 1	1 1	1 1 1 1 1	1	1	1	1 1 2 2 1 1 1	1	1	1	1	1	1 3 1 1	1	1			
Vertical Mounting above Motor	61 62 141	Vertical mounting pin Vertical mounting pin Vertical mounting spring (red) Vertical mounting spring (white) Vertical mounting spring (blue) Vertical mounting spring (green) Vertical mounting spring (yellow) Spring spacer (brass) Spring spacer (stainless steel)	8-061-208-00 8-061-209-00 9-70-1105-00 9-70-1004-00 9-70-1005-00 9-70-1106-00 8-138-207-00 8-138-208-00	4	4 4 * *	4 4 4 *	4	4 4 4 4 * *	44	4 4 *	4	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1 4		4	4	4 4 4 4 4 4 4 4 * *	4 4 4	4 4 4 4 4 * *	4 4 4		550 lb-ft brake is not available for vertical operation.	
	170 170S 170W 171 172	Plunger guide bracket Cap screw (bracket) Lock washer (bracket) Shim (bracket) Spacer	kit 5-55-2002-00	1	1	1	1	1 1	1	1	1	1 1	1	1	1	1	1 1	1	1	1		vailable tor v	
		Release plate Screw Lock nut Spring pin Release rod	8-170-102-00 9-16-3012-00 9-40-3730-00 9-32-4055-00 8-146-201-01		1 2 1 1		1 2 2 1	1 2 1 1	2	1 2 1 1		1 2 2 1	1 2 2 1		1 2 1 1		1 2 2 1 1	1 2 1 1		1 2 2 1	-	rake is not a	
Foot Mounting	34 34S 39W	Foot mounting kit, comprised of: Foot mounting bracket Cap screw Lock washer	5-55-2022-00 8-034-205-01 9-17-1624-00 9-45-0336-00	4	1 4 4	1 4 4	4	1 1 4 4 4 4	4		1 4 4	1 1 4 4	1 4 4 4	1 4 4	1 4 4		1 1 4 4 4 4	1 4 4	1 4 4	4		a 11-al 033	
	3 5 61	Stationary disc Pressure plate (less pins - Item 61) Pressure plate (less pins - Item 61) Vertical mounting pin Vertical mounting pin Vertical mounting pin Vertical mounting pin	8-003-206-02 8-005-205-03 8-005-206-03 8-061-210-00 8-061-211-00 8-061-212-00 8-061-213-00	1	1 1 4	1 1 4	1	1 1 1 1 4 4	1	1	2 1 4	2 2 1 1 4 4		2 1 4			1 1 4	3 1 4	1				
Vertical Mounting below Motor	62 141	Vertical mounting spring (green) Vertical mounting spring (black) Vertical mounting spring (natural) Vertical mounting spring (orange) Spring spacer (brass) Spring spacer (stainless steel)	9-70-1106-00 9-70-1007-00 9-70-1008-00 9-70-1009-00 8-138-207-00 8-138-208-00	4 *	4 *	4 * *		4 4	*	*	4 4 *	4 4 4	4 4 4 *		4 4 *	4	4 4 4 4 4 * *	4	4 4 4 *	4			
	170 170S 170W 171	Plunger guide bracket (AC) Plunger guide bracket (DC) Cap screw (bracket) Lock washer (bracket) Shim (bracket)	8-170-204-00 8-170-205-00 8-350-002-00 9-45-0330-00 8-454-016-00	1 2 2 *		1 2 2 *	1 2 2 *	1 1 2 2 2 2 *	2 2	2	1 2 2 *	1 2 2 *	1 2 2 2 *	1 2 2 *	2	1 2 2 *	1 2 2 2 2 * *	1 2 2 *	1 2 2 *	1 2 2 *			-
Shaft through Housing	7 24 24L 24S	Housing, bearing and seal assembly Shaft bushing (specify bore) Set screw (shaft bushing) Shaft seal (component of Item 7)	5-07-2014-00 8-024-202-01 9-20-3004-00 9-02-0010-00		1 1 2 1		1 1 2 1	1 1 2 1	2	1 1 2 1		1 1 2 1	1 1 2 1		1 1 2 1		1 1 2 1	1 1 2 1		1 1 2 1	1 1 2 1		
Brass Parts (horizontal brakes)	3 4 5	Stationary disc Friction disc Pressure plate Pressure plate	8-003-208-01 8-004-208-00 8-005-207-01 8-005-208-01	2	1 2 1	1	2	1 1	2 2	2 1	3 1	2 2 3 3 1 1	33	2 3 1	3 1	3 1	2 3 3 4 1 1	4 1	4 1	4	5 5 1 1		
Space Heater Kit	not shown	Heater (115 volt circuit) Heater (230 volt circuit)	5-27-2006-00 5-27-2007-00	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

*As required.

		Brake Size Torque (Ib-ft)	1:	25	1	75	2	30	4	30 40 50]			Brake Size Torque (lb-ft)	1	25	17	75	23	0	33 44 55	10
		Current	AC	DC	AC	DC	AC	DC	AC	DC	;			Current	AC	DC	AC	DC	AC	DC	AC	DC
Com	e 3 (see Note) ponents of port Plate Assemblies	Assembly Part Number →	5-42-2071-00-09	5-42-2072-00-09	5-42-2073-00-09	5-42-2074-00-09	5-42-2075-00-09	5-42-2076-00-09	5-42-2077-00-42	5-42-2078-00-09		Comp	3 (continued) onents of ort Plate Assemblies	Assembly Part Number →	5-42-2071-00-09	5-42-2072-00-09	5-42-2073-00-09	5-42-2074-00-09	5-42-2075-00-09	5-42-2076-00-09	5-42-2077-00-42	5-42-2078-00-09
ltem No.	Description	Part Number ↓	5-42-	5-42-	5-42-	5-42-	5-42-	5-42-	5-42-	5-42-		ltem No.	Description	Part Number ↓	5-42-	5-42-	5-42-	5-42-	5-42-	5-42-	5-42-	5-42-
8	Solenoid lever and pinion assembly (comprised of Items 28, 32, 32R, 54, 71, 141 and 141A)	5-66-7321-00	1	1	1	1	1	1	1	1		132 132H 132L	Cap screw (solenoid mounting) Holding plate (solenoid mounting) Lock plate (solenoid mounting)	8-350-008-00 8-076-207-00 8-076-206-00	4 2 2	4 2 2	4 2 2	4 2 2	4 2 2	4 2 2	4 2 2	4 2 2
11	Pressure spring (green) Pressure spring (yellow) Pressure spring (red)	9-70-4601-00 9-70-6001-00 9-70-5801-00	1	1	1	1	1	1	1	1		134	Pressure spring spacer Pressure spring spacer Pressure spring spacer	8-134-001-02 8-134-001-03 8-134-001-05	1	1	1	1	1	1	1	1
13 13C 13N	Solenoid link and bearing assembly Cap screw (<i>solenoid link</i>) Nut (<i>solenoid link</i>)	5-55-2006-00 8-157-703-00 9-40-3732-00	1 1 1		138 138A	Bearing (washer type) Bearing (washer type)	8-138-201-00 8-138-701-00		8 2	8 2	8 2	8 2	8 2	8 2	8 2							
17 17B 17E	Lever arm assembly Pressure button Eccentric sleeve <i>(lever arm)</i>	5-17-2001-00 9-25-1908-00 8-054-201-00	1 2 1			Release rod Ball bearing <i>(release rod)</i> Retaining ring <i>(release rod)</i>	8-146-201-00 9-01-6801-00 9-03-0007-00	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1							
17S 19 22	Set screw (lever arm) Pressure spring nut Solenoid lever stop	9-20-3004-00 8-019-202-01 8-022-603-00	2 1 1		152P	Pressure spring stud Pivot pin (<i>spring stud</i>) Retaining ring (<i>spring stud</i>)	8-152-201-00 8-118-202-00 9-03-0019-00	1 1 2	1 1 2	1 1 2	1 1 2	1 1 2	1 1 2	1 1 2	1 1 2							
53 53P 59	Manual release spring tube Roll pin <i>(spring tube)</i> Release spring	8-053-201-00 9-32-4012-00 9-71-0004-00	1 1 1		159	Brake release interlock kit (standard manual release) Brake release interlock kit	5-55-2005-00	1	1	1	1	1	1	1	1							
76S	Wrap spring stop Holding plate (wrap spring stop) Cap screw (spring stop)	8-076-203-00 8-076-204-00 9-17-2812-00	1 1 2		178	(side manual release) Instruction plate Drivescrew	8-078-055-00 9-25-1303-00	1 2	1 2	1	1	1 2	1 2	1 2	1 2							
126 130 131	Lock washer (spring stop) Support plate and bearing assembly Pivot pin (lever arm) Pivot pin (solenoid lever) Retaining ring (pivot pin)	9-45-1328-00 5-26-2004-00 8-118-204-00 8-131-201-00 9-03-0020-00	2 1 1 1 5		179 179G 179S	Solenoid mounting plate Grommet (mounting plate) Shoulder screw (mounting plate) Washer (mounting plate)	9-25-1303-00 8-179-205-01 8-147-202-00 9-26-1108-00 8-138-202-00	1 3 3	2 1 3 3	2 1 3 3 3	∠ 1 3 3 3	2 1 3 3 3	∠ 1 3 3 3	∠ 1 3 3 3	2 1 3 3 3							

Note: Some brakes manufactured prior to the "-02" series had solenoid which were mounted on (4) rubber shock mounts. Conversion kits are available to replace these mounts. Kit 5-12-9595 replaces 1" diameter by 17/32" high mounts with 1/4-20 studs. Kit 5-12-9593 must replace mounts on serial numbers B-960232 through 69 and B-989748.

Table 4

1 – Bracket, mounting 1 – Mounting hardware

ltem	Desc	ription	Part Number	Torqu	e (lb-ft)		Part numbers in shaded area are for reference only.
AC B	rakes			125 175 230	330 440 550	131R 138 1900 32	8
12	Solenoid as	sembly (AC)	5-12-5529-00	1	1	© @ 32 141A 141	
12A	No. 9 coil assemlby 60 Hz	115 Vac 230 Vac 460 Vac 575 Vac 115/230 Vac 230/460 Vac		1 1 1 1 1		Support Plate Assembly	54 71 32R 138
	No. K9 coil assemlby 60 Hz		5-96-6951-33 5-96-6952-33 5-96-6954-33 5-96-6955-33 5-96-6957-33 5-96-6959-33		1 1 1 1 1 1	178 28 53P 76W 146 765 76 765 76 766 76	17 17 17 17 17 17 17 17 17 17 17 17 17 1
•oble		oil Assembl	,			13C	
Table Conte Item No.		blies and Kits Description	,	œ		132 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	126
Conte Item No.	Solenoid ass 1 – Plunger 1 – Frame 2 – Lock plat 1 – Solenoid 1 – Solenoid	bblies and Kits Description embly (5-12-5 es link cap screw link nut	5 5XX-00)			132 2 132L 132H 12 132H 12 13 132H 12 11 11 11	132 132 179G 126
Conte Item No. 12	Solenoid ass 1 – Plunger 1 – Frame 2 – Lock plat 1 – Solenoid 1 – Solenoid 1 – Cable cla	bblies and Kits Description embly (5-12-54 es link cap screw link nut amp and screw y (5-96-69XX-: guides	5XX-00)			132 2 132L 132L 132H 12 12A For brakes with	132 132

80

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131R

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