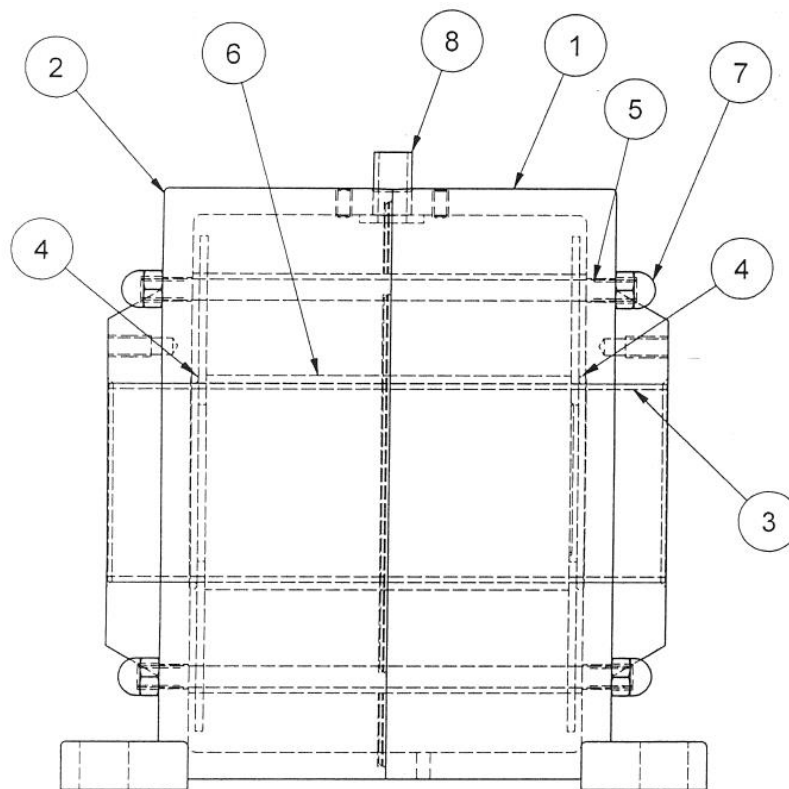
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## BRAKE COIL REPLACEMENT INSTRUCTIONS


### PROCEDURE:

**NOTE: REFERENCE TABLE 1 AND FIGURE 1 DURING REPLACEMENT. CONFIRM ELECTRICAL DATA PRIOR TO ASSEMBLY OR REPLACEMENT. ELECTRICAL DATA SHOWN IN TABLE 2.**



*Figure 1: 102/112 coil housing shown, others similar*

1. Using an ohm meter, check Coil (ITEM #6) to assure continuity. Full voltage will be applied later during brake adjustment.
2. Insert Brass Plunger Tube (ITEM #3) into one side of Housing (ITEM #1 or #2)
3. Place one O-ring (ITEM #4) over Plunger
4. Slip Insulation Bushing (ITEM #8) over Coil lead wires and insert Coil over Plunger Tube into Housing.
5. Slip second O-ring over Plunger Tube and press O-ring down against Coil.

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6. Put other half of Housing in place and secure Housing together with Housing Rods (ITEM #5) and Acorn Nuts (ITEM #7).
7. Stake the Brass Plunger Tube (ITEM #3) by striking the edge of the tube with a blunt chisel in two places on each side of the Housing. See Figure 2 for reference.

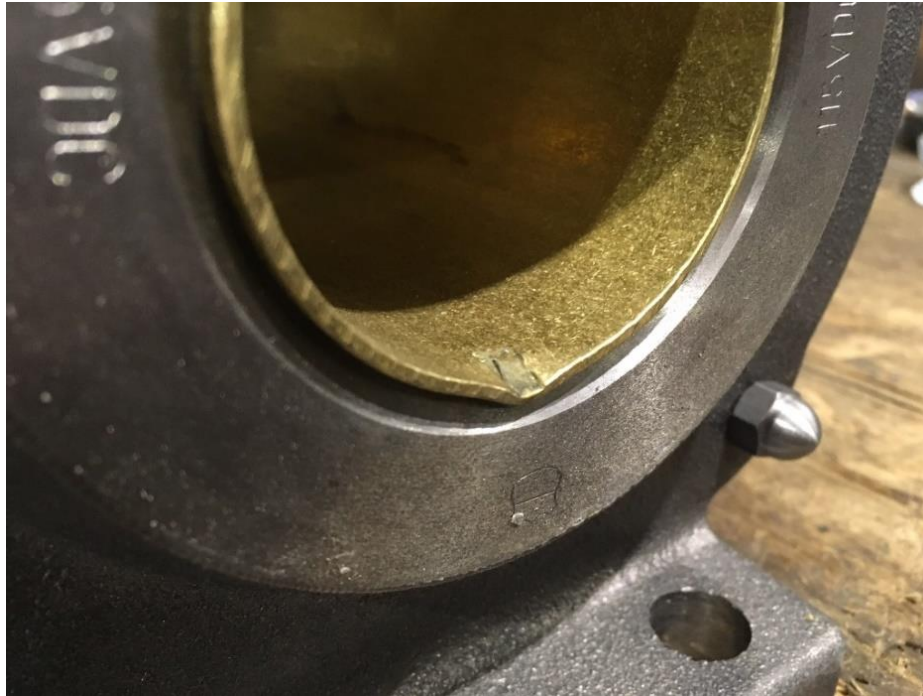


Figure 2: Brass Tube staked in one position.

ITEM	QTY	DESCRIPTION
1	1	SOLENOID HOUSING – MALE
2	1	SOLENOID HOUSING-FEMALE
3	1	PLUNGER TUBE
4	2	O-RING AS568A-142, COIL HOUSING
5	4	SOLENOID HOUSING ROD
6	1	COIL – 230 VOLT
	1	COIL – 115 VOLT
7	8	ACORN NUT
8	1	INSULATING BUSHING

TABLE 1: PARTS LIST



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Machine Model	Brake Model	Brake Style	Constant Line Voltage (VDC)	Pick Voltage (VDC)	Pick Current (Amps)	Hold Voltage (VDC)	Coil Resistance (Ohms)	Supplied
#34	#92	Disc	115	125	3.48	75	33	Optional
			<b>230</b>	<b>250</b>	<b>1.66</b>	<b>150</b>	<b>138</b>	<b>Standard</b>
#43	#90	Drum	115	125	1.63	75	71	Optional
			<b>230</b>	<b>250</b>	<b>0.82</b>	<b>150</b>	<b>280</b>	<b>Standard</b>
#44	#102	Disc	115	125	2.44	75	46.45	Optional
			<b>230</b>	<b>250</b>	<b>1.24</b>	<b>150</b>	<b>190</b>	<b>Standard</b>
#53	#100	Drum	115	125	1.63	75	71	Optional
			<b>230</b>	<b>250</b>	<b>0.82</b>	<b>150</b>	<b>280</b>	<b>Standard</b>
#54	#102	Disc	115	125	2.44	75	46.45	Optional
			<b>230</b>	<b>250</b>	<b>1.24</b>	<b>150</b>	<b>190</b>	<b>Standard</b>
#63	#110	Drum	115	125	1.63	75	71	Optional
			<b>230</b>	<b>250</b>	<b>0.82</b>	<b>150</b>	<b>280</b>	<b>Standard</b>
#64	#112	Disc	115	125	2.44	75	46.45	Optional
			<b>230</b>	<b>250</b>	<b>1.24</b>	<b>150</b>	<b>190</b>	<b>Standard</b>
#74	#120	Drum	115	125	1.38	75	84	Optional
			<b>230</b>	<b>250</b>	<b>0.73</b>	<b>150</b>	<b>313</b>	<b>Standard</b>

Table 2: Brake Coil electrical values