

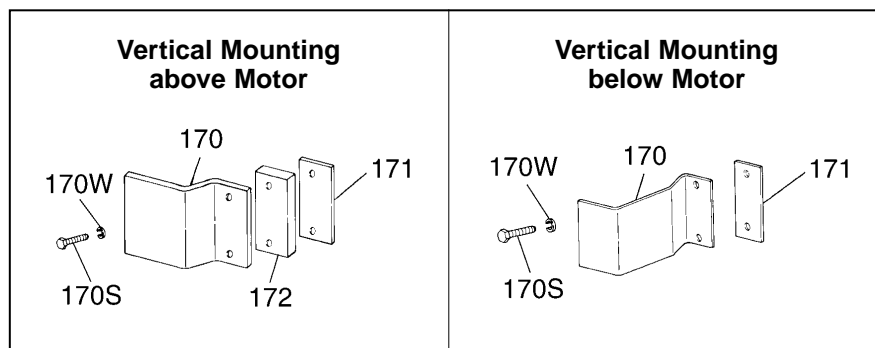
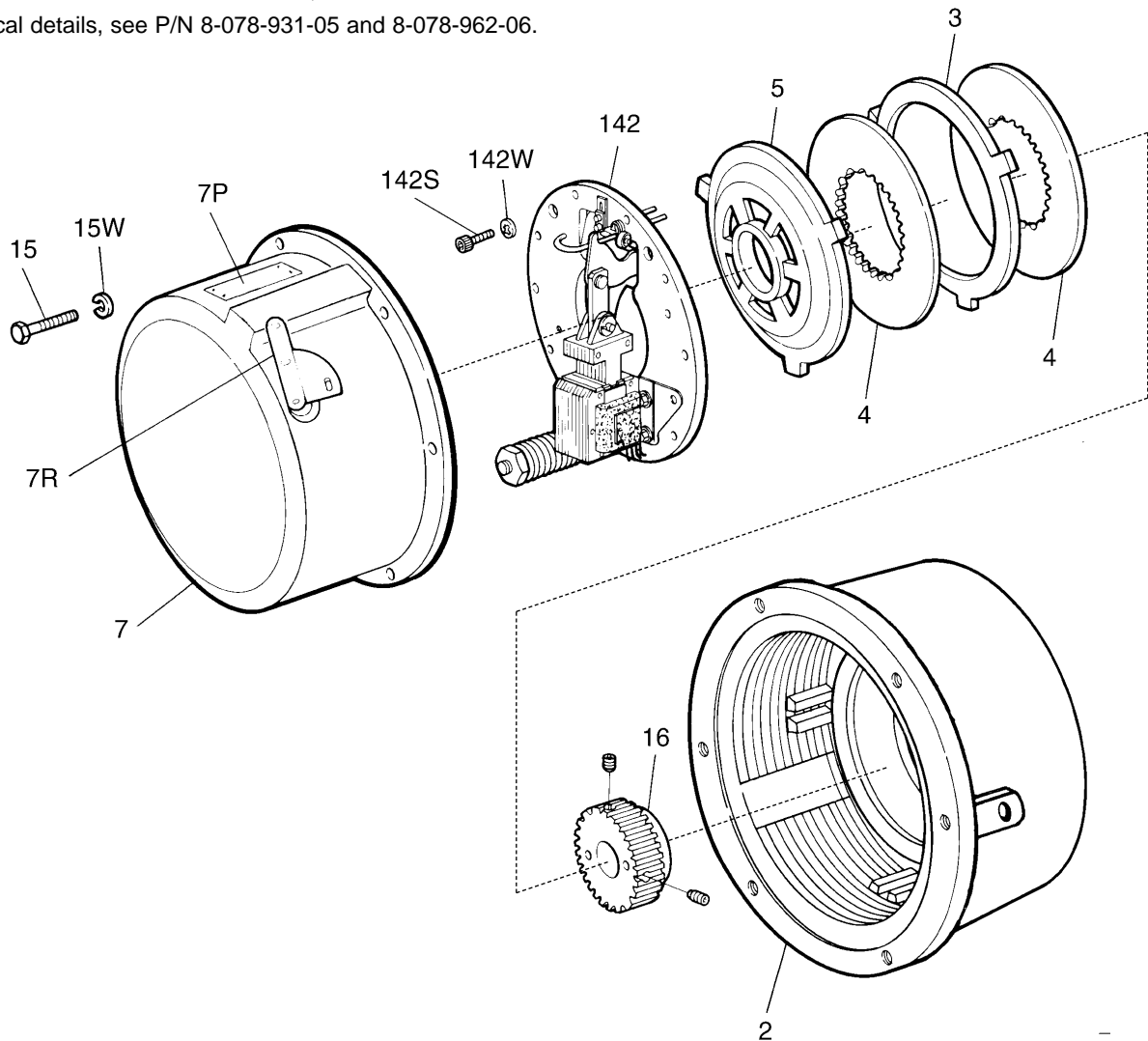
## Parts List for 81,000-02 Series Brakes (Portal Crane)

### Information required when ordering replacement parts:

- 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.

### General Information

- For installation and service instructions, see P/N 8-078-921-04
- For vertical details, see P/N 8-078-931-05 and 8-078-962-06.



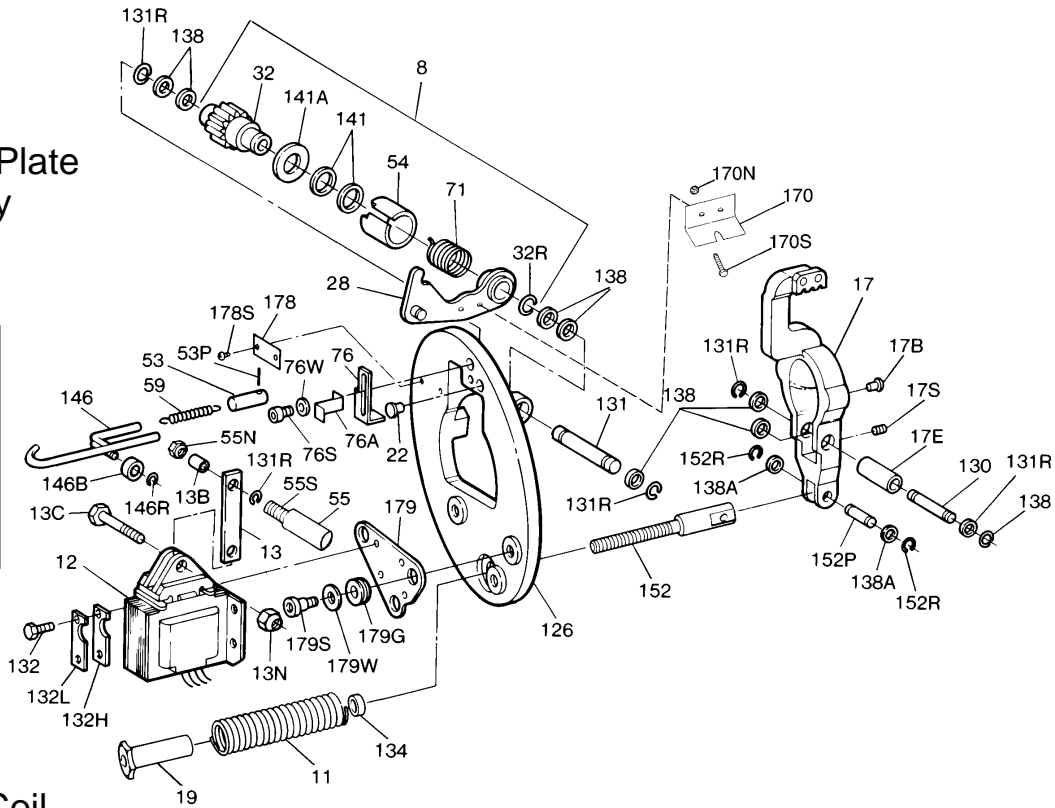
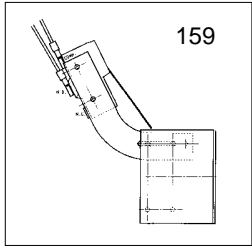


**TABLE 2**  
Components of Support Plate Assemblies

			Brake Size Torque (lb-ft)	125	175	230
			Assembly Part Number→	5-42-2071-34-09	5-42-2073-34-09	5-42-2075-34-09
Item No.	Description	Part Number ↓				
8	Solenoid lever and pinion assembly (comprised of Items 28, 32, 32R, 54, 71, 141 and 141A)	5-96-7382-00	1	1	1	
11	Pressure spring (green)	9-70-4601-00	1			
12	Pressure spring (yellow)	9-70-6001-00		1	1	
	Solenoid assembly	see Table 3	1	1	1	
13	Solenoid link	8-013-205-00	1	1	1	
13B	Bearing (solenoid link)	9-04-1001-00	1	1	1	
13C	Cap screw (solenoid link)	8-157-703-00	1	1	1	
13N	Nut (solenoid link)	9-40-3732-00	1	1	1	
17	Lever arm assembly	5-17-2001-00	1	1	1	
17B	Pressure button	9-25-1908-00	2	2	2	
17E	Eccentric sleeve (lever arm)	8-054-201-00	1	1	1	
17S	Set screw (lever arm)	9-20-3004-00	2	2	2	
19	Pressure spring nut	8-019-201-00	1	1	1	
22	Solenoid lever stop	8-022-603-00	1	1	1	
28	Solenoid lever (component of Item 8)		1	1	1	
32	Pinion (component of Item 8)		1	1	1	
32R	Retaining ring (component of Item 8)		1	1	1	
53	Manual release spring tube	8-053-201-00	1	1	1	
53P	Roll pin (spring tube)	9-32-4012-00	1	1	1	
54	Sleeve (component of Item 8)		1	1	1	
55	Actuator (component of Item 159)	8-170-211-00	1	1	1	
55N	Nut (component of Item 159)	9-40-3730-00	1	1	1	
55S	Machine screw (component of Item 159)	9-10-3040-00	1	1	1	
59	Release spring	9-71-0004-00	1	1	1	
71	Wrap spring (component of Item 8)		1	1	1	
76	Wrap spring stop	8-076-203-00	1	1	1	
76A	Holding plate (wrap spring stop)	8-076-204-00	1	1	1	
76S	Cap screw (spring stop)	9-17-2812-00	2	2	2	
76W	Lock washer (spring stop)	9-45-1328-00	2	2	2	
126	Support plate and bearing assembly	5-26-2004-00	1	1	1	
130	Pivot pin (lever arm)	8-118-204-00	1	1	1	
131	Pivot pin (solenoid lever)	8-131-201-00	1	1	1	
131R	Retaining ring (pivot pin)	9-03-0020-00	5	5	5	
132	Cap screw (solenoid mounting)	8-350-008-00	4	4	4	
132H	Holding plate (solenoid mounting)	8-076-207-00	2	2	2	
132L	Lock plate (solenoid mounting)	8-076-206-00	2	2	2	
134	Pressure spring spacer	8-134-001-02	1	1		
	Pressure spring spacer	8-134-001-03			1	
138	Bearing (washer type)	8-138-201-00	8	8	8	
138A	Bearing (washer type)	8-138-701-00	2	2	2	
141	Wrap spring spacer (component of Item 8)		*	*	*	
141A	Wrap spring sleeve spacer (comp. of Item 8)		1	1	1	
146	Release rod	8-146-201-00	1	1	1	
146B	Ball bearing (release rod)	9-01-6801-00	1	1	1	
146R	Retaining ring (release rod)	9-03-0007-00	1	1	1	
152	Pressure spring stud	8-152-201-00	1	1	1	
152P	Pivot pin (spring stud)	8-118-202-00	1	1	1	
152R	Retaining ring (spring stud)	9-03-0019-00	2	2	2	
157	DC switch kit	see Table 3				
159	Brake release interlock kit (side manual release)	5-55-2004-00	1	1	1	
178	Instruction plate	8-078-054-00	1	1	1	
178S	Drivescrew	9-25-1303-00	2	2	2	
179	Solenoid mounting plate	8-179-205-01	1	1	1	
179G	Grommet (mounting plate)	8-147-202-00	3	3	3	
179S	Shoulder screw (mounting plate)	9-26-1108-00	3	3	3	
179W	Washer (mounting plate)	8-138-202-00	3	3	3	
170	Manual release plate	8-170-105-00	1	1	1	
170S	Release plate screw	9-16-3014-01	2	2	2	
170N	Release plate nut	9-40-3730-00	2	2	2	

\*As required

## Support Plate Assembly



## Solenoid and Coil Assembly

**TABLE 3**

*Components of Solenoid and Coil Assemblies*

Item	Description	Part Number
12	Solenoid assembly	5-12-5529-00
<b>AC Brakes</b>		
12A	No. 9 coil assembly 60 Hz	115 Vac 5-96-6901-33 230 Vac 5-96-6902-33 460 Vac 5-96-6904-33 575 Vac 5-96-6905-33 115/230 Vac 5-96-6907-33 230/460 Vac 5-96-6909-33
159	Brake release interlock switch kit	5-55-2004-00
<b>DC Brakes</b>		
12A	No. 9 coil assembly	115 Vdc 5-96-6916-33 230 Vdc 5-96-6917-33
157	DC switch kit	115 Vdc 5-57-5716-02 230 Vdc 5-57-5717-02

**TABLE 4 – Contents of Assemblies and Kits**

Item No.	Description
12	Solenoid assembly (5-12-5529-00) 1 - Plunger 1 - Frame 2 - Lock plates 1 - Solenoid link cap screw 1 - Solenoid link nut 1 - Cable clamp and screw (DC only)
12A	Coil assembly (5-96-69XX-33) 1 - Coil 2 - Plunger guides 2 - Plunger guide screws
157	DC switch kit (5-57-57XX-02) 1 - DC switch 2 - Mounting screws 2 - Lock washers
159	AC switch kit (5-55-2004-00) (brake release interlock switch - N.O.) 1 - AC switch 2 - Mounting screws 2 - Lock washers
7R	Full Release kit (5-55-2007-00) 1 - Release lever 1 - Spring pin 1 - O - Ring 1 - Release handle 1 - Locking plate 1 - Assembly hardware

