

INSTRUCTION SHEET

BULLETIN 511 TYPE "S" 10" A-c Brake

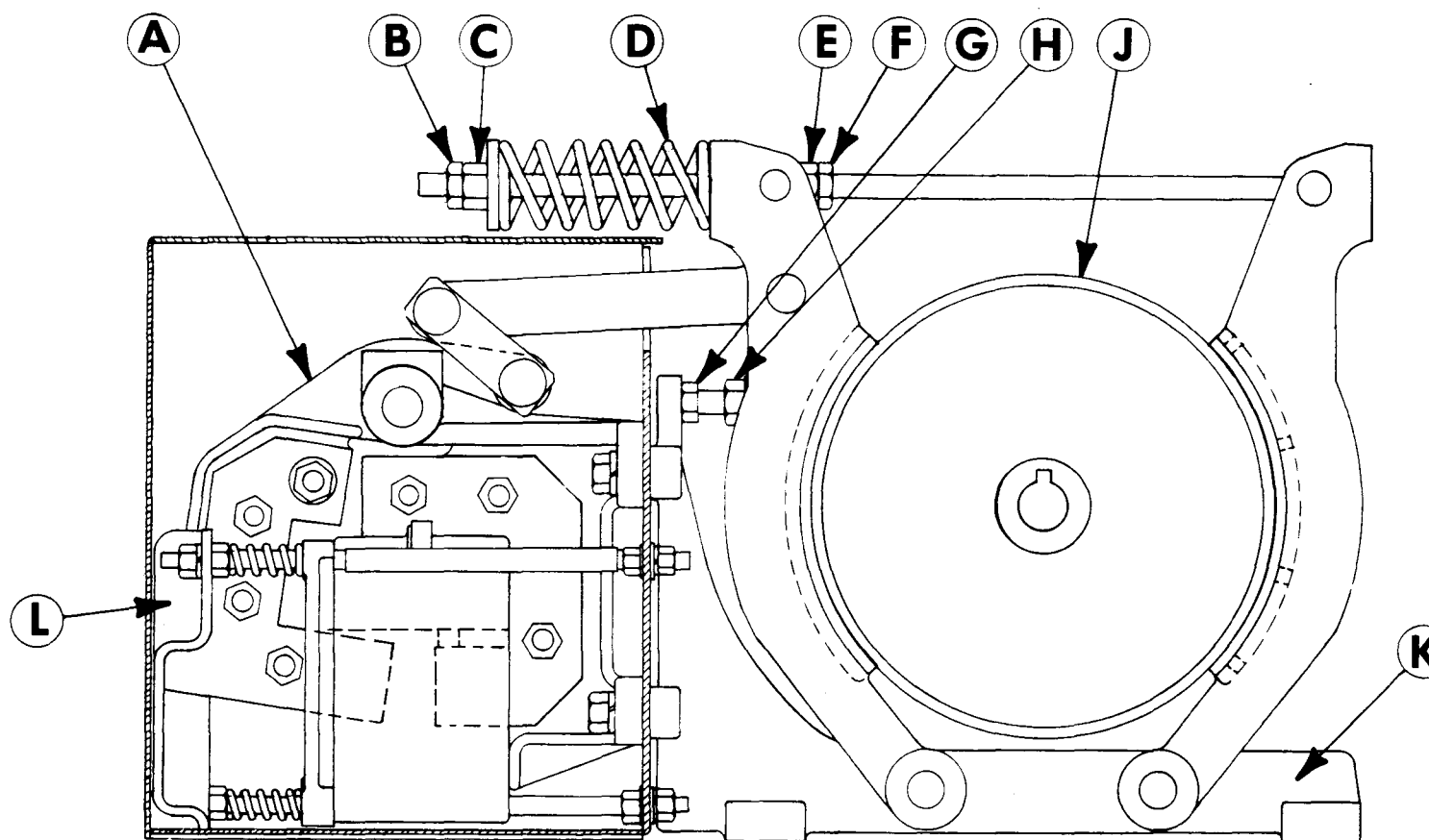


Figure One

1. MOUNTING: (Refer to Figure One)

Push the armature assembly "A" down and block in the closed position to separate the brake shoes. The brake can then be slid over the wheel "J". The center of the wheel should be approximately $7\frac{3}{8}$ inches above the mounting surface. Unblock the armature assembly "A" to allow the brake shoes to grip the wheel. Insert shims between the mounting surface and brake base "K" until the brake is resting solidly on the mounting surface. Fasten the brake to the mounting surface with mounting screws or bolts.

NOTE — The brakes **MUST** be mounted in a horizontal position with the base below the shoes.

2. EQUALIZE SHOE CLEARANCE:

Push armature assembly "A" down and block in the closed position to release brake wheel "J". Loosen locknut "H". Equalize the clearance between the shoes and wheel "J" by turning screw "G". Retighten locknut "H" when adjustment is complete.

3. READJUSTMENT FOR LINING WEAR:

As the lining wears, the clearance between the stop plate "L" and the armature assembly "A" will decrease when the magnet is deenergized. Never permit this clearance to become zero as complete loss of torque will result.

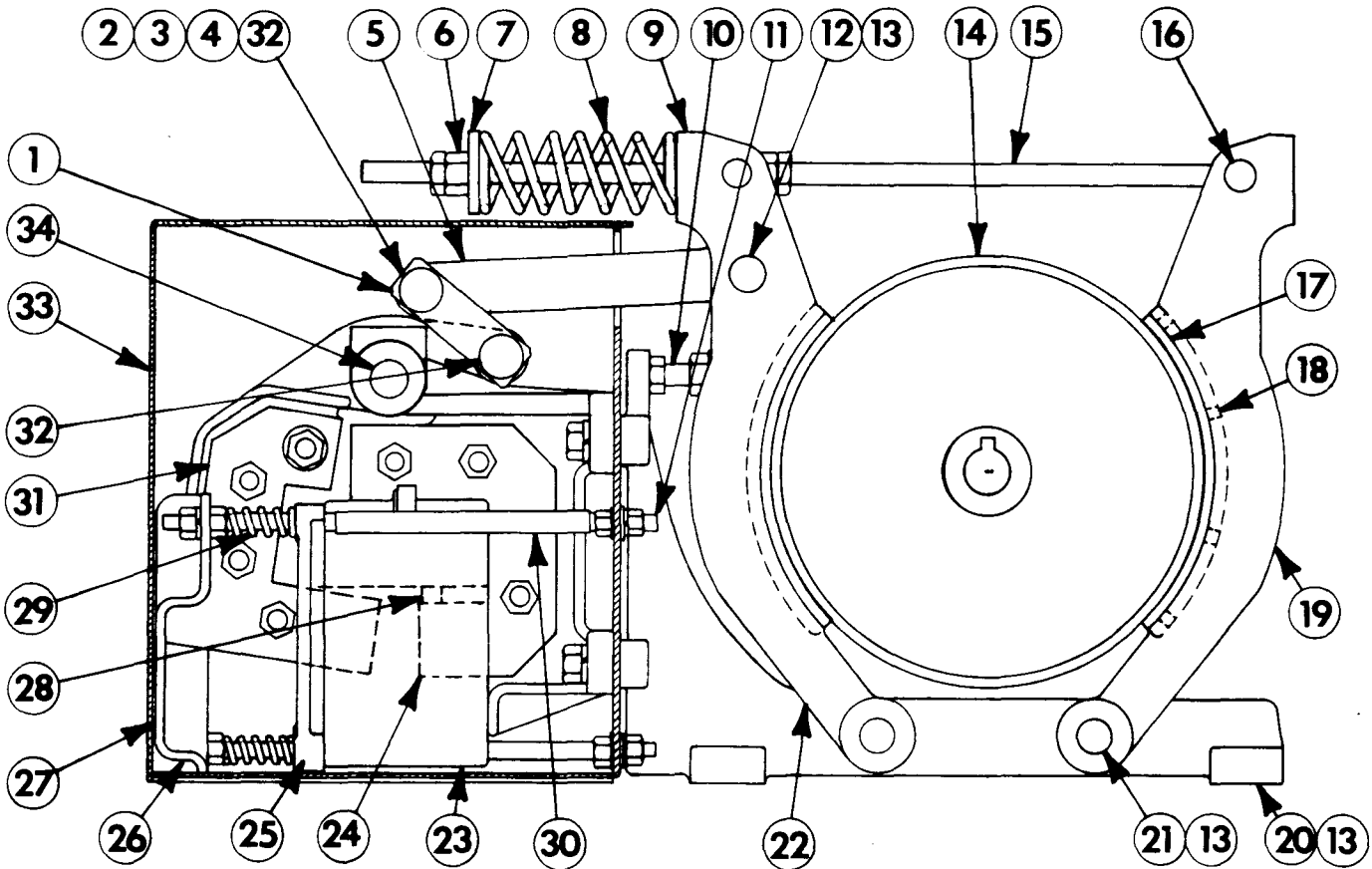
When the clearance becomes low, readjust to approximately $\frac{1}{4}$ inch by loosening locknut "F" and turning nut "E". When adjustment is completed, retighten locknut "F". No change in torque will result from this adjustment.

NOTE: Brake linings should be replaced before the rivets that hold the linings in place are allowed to touch the wheel face.

4. TORQUE ADJUSTMENT:

The brake is adjusted at the factory to provide the rated torque shown on the nameplate. To set the brake for the rated torque, loosen locknut "B" and turn nut "C" to set compressed length of spring "D" to length shown in table below. Retighten locknut "B".

Size of Brake	Torque Rating	Compressed Length of Spring "D"
10"	125 Lbs. Ft.	5"
10"	160 Lbs. Ft.	5"



RENEWAL PARTS — Information Required

Parts CANNOT be sent promptly unless you include the FOLLOWING with your order: PUBLICATION NO. 17379, ITEM NO., DESCRIPTION, PART NO. and NO. STAMPED ON THE BRAKE NAMEPLATE

Item No.	Description	No. Req.	Part No.	Item No.	Description	No. Req.	Part No.
1	Link	2	61-636	19	Brake shoe (includes items 13, 17, 18)	1	24-2146-4
2	Pin	2	13-1145-2	20	Base assembly (includes item 13)	1	17-2482
3	Spring pin	4	13-3186-2	21	Pin	2	13-1089-11
4	Washer	10	916-1121Z	▲22	Brake shoe (includes items 13, 17, 18)	1	24-2146-3
5	Bell crank (includes items 13 and 32)	1	24-2145	▲23	Magnet coil (give number stamped on coil)	1	
6	Hex nut, 1/2-13	1	915-1403Z	24	Shading coil	1	9-550-34-2
	1/2-13x5/16" high	1	915-1401Z	25	Coil clamp	1	55-721
7	Spring gland assembly	1	49-1604	26	Armature lever stop	1	18-807
▲ 8	Spring			27	Wingnut	4	15-106
	For 125 lb. torque	1	69-1104	28	Coil support block	1	77-773
	For 160 lb. torque	1	69-1109	29	Spring	2	969-1501J
9	Pressure plate	1	19-552	30	PVC tubing	2	4602-13
10	Hex head screw 1/2-13x1 3/4	1	911-5894Z	31	Magnet frame assembly	1	17-17199
11	Stud 1/2-13x12	2	14-440	32	Bushing	1	29-1829-2
12	Pin	1	13-1089-12	33	Enclosure case assembly	1	39-1405
13	Bushing	11	29-1829	34	Shld. screw 5/8-11 UNC-3A	1	11-4816
★14	Brake wheel (see below)	1		35	Renewal set of linings (consists of items 17 and 18)	1	6-166-4
15	Pull rod assembly	1	61-638				
16	Pin	1	13-506-4				
17	Brake lining only	2	48-1604-5				
18	Groove pin	24	13-4762				

★ Give Catalog "H" No. when stamped on the wheel or, if this number does not appear on the wheel, give the complete brake nameplate data and the bore and keyway dimensions.

▲ We recommend that these items be stocked. The quantity to be stocked will depend upon the total number in use.