

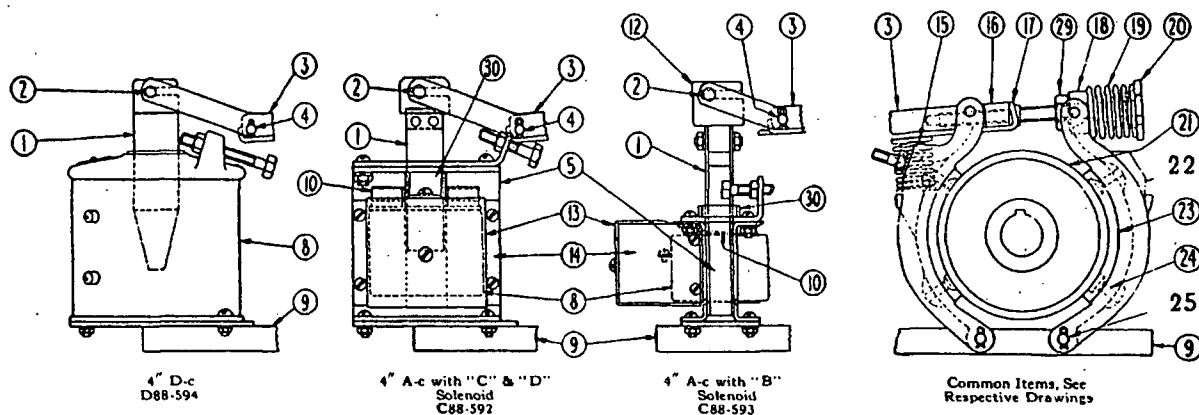
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INSTRUCTION SHEET

Bulletin 511 Type "S" Brakes — 4"



INSTRUCTIONS (See Figure 1)

1. **Mounting** — Clamp the brake on the wheel by compressing torque spring "D" (See Fig. 1) by tightening the adjusting nut "E". Insert shims between the mounting stand and the base of the brake until the brake is setting solid on base.

2. **Adjustment** — a. Compress the torque spring "D" until the desired torque is obtained. The approximate compressed length of this spring, to obtain rated torque, is given in the table below and on some brakes this length is given on small plate mounted on the pivot block, item 18. It is an approximate dimension and further adjustment may be necessary.

While making this adjustment maintain a clearance of $\frac{1}{64}$ " at "C" when the brake is applied. When the desired torque is obtained be sure that the clearance "C" is $\frac{1}{64}$ ". The security lock nut "B" will hold itself in this position.

b. Equalize the clearance between the shoes and wheel when the brake is released by setting screw "A".

3. **Re-Adjustment** — When the lining wears, the clearance "C" decreases. Never permit this clearance to become zero since complete loss of braking torque will result. When the clearance "C" becomes low, again adjust to $\frac{1}{64}$ " by turning screw "E". No change in torque will result from this adjustment if nut "B" is not changed.

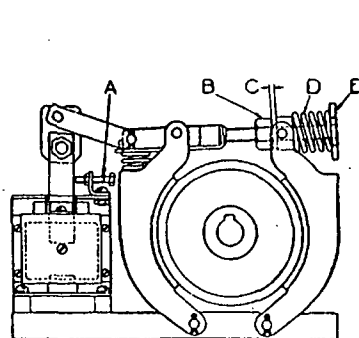
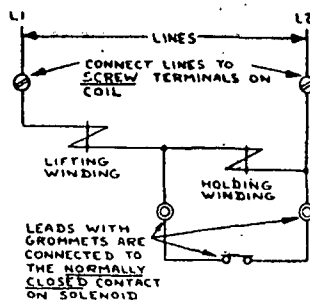


Fig. 1

CONNECTION DIAGRAM



Size of Brake	Torque Rating	Compressed Length of Spring "D"
4"	3 lbs. Ft.	$1\frac{1}{16}$ "
4"	10 lbs. Ft.	$1\frac{1}{8}$ "
4"	15 lbs. Ft.	$1\frac{3}{8}$ "