1. MOUNTING — (Refer to Figure One)
   Push the solenoid plunger "J" down to separate the brake shoes. The brake can then be slid over the wheel "H". The center of the wheel should be approximately 4 inches above the mounting surface. Release the plunger to allow the brake shoes to grip the wheel. Insert shims between the mounting surface and the brake base until the brake is resting solidly on the mounting surface. Then fasten the brake to the stand with mounting screws or bolts.
   NOTE — These brakes must be mounted in a horizontal position with the base below the solenoid and shoes.

2. EQUALIZE SHOE CLEARANCE
   Push the solenoid plunger "J" down to release the brake wheel "H". Loosen locknut "A", equalize clearance between the shoes and wheel "H" by turning screw "B". When adjustment is completed tighten lock nut "A".

3. READJUSTMENT FOR LINING WEAR
   As the lining wears, the clearance "E" decreases. Never permit this clearance to become zero because complete loss of braking torque will result. When the clearance "E" becomes low, readjust to 0.015" by turning nut "D". Locknut "C" prevents the shaft from rotating when this adjustment is performed. No change in torque will result from this adjustment.
   NOTE: Brake linings should be renewed before the rivets that hold the lining in place are allowed to touch the wheel face. Repeat step no. 2.

4. TORQUE ADJUSTMENT
   The brake is adjusted at the factory to provide the rated torque shown on the nameplate. To set the brake for rated torque, loosen locknut "C" and, while holding nut "D", turn bolt "G" to obtain the approximate compressed spring length specified below. Retighten locknut "C" and recheck clearance "E".
   NOTE: After any brake adjustment is made, recheck the shoe-to-wheel clearance in step no. 2.

| Size of Brake | Torque Rating | Compressed Length of Spring "E"
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>5 1/2&quot;</td>
<td>25 Lbs. Ft.</td>
<td>1 3/4&quot;</td>
</tr>
<tr>
<td>5 1/4&quot;</td>
<td>35 Lbs. Ft.</td>
<td>1 5/16&quot;</td>
</tr>
</tbody>
</table>
RENEWAL PARTS — Information Required

Parts CANNOT be sent promptly unless you include the FOLLOWING with your order: PUBLICATION NO. 17378, ITEM NO., PART NO., DESCRIPTION and COMPLETE NAMEPLATE DATA ON THE BRAKE.

10-11-12  11-13-14  15  16  17  18  20  21  22  23  24  25  26  27  28  29  30  31  32  33  34  36  37  38  39  40  41  42  43  44

SKETCH 'A'

Item No.  Description  No. Req.  Part No.

1  Switch complete (includes items 35 thru 1")  1  10-1510-4

2  Solenoid frame

3  28  Coil (Give No. on Coil)

4  Washer

5  Spring

6  Plunger guide

7  Bracket

8  1/4 helical washer

9  1/4-20x1.50 screw

10  1/4-20 hexagon nut

11  125x.75 spring pin

12  Pin

13  Pin

14  3/8 washer

15  Torque spring

16  Lever

17  Spring gland

18  Adjusting stud nut  1  15-1894

19  1/2-13 hex nut  1  916-14012

20  1/2-13 locknut  1  16-610

21  Washer

22  Pivot block

23  Torque spring

24  Cup washer

25  Adjusting bolt

26  Shoe assembly (includes items 27 and 28)

27  Flat head groov pin

28  Lining

29  Brake wheel (see below)

30  Base

31  Pin

32  .094 x .62 cotter pin

33  Pin

34  Solenoid without coil (includes items 2, 4, 5, 6, and 8)

35  Stationary contact

36  6-32x.31 bdg. Hd. screw

37  10-32x1.375 RH screw

38  Washer

39  Lockwasher

40  Movable contact

41  Spring

42  Insulator

43  "O" ring

44  Pin

45  Renewal set of linings (consists of items 27 and 28)

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

◆Give the index "H" No. when it is stamped on the wheel, or if this number does not appear on the wheel, give the complete brake nameplate data and the

PAGE 2

Cutler-Hammer  EATON

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