

**INSTRUCTION SHEET
FOR
MODEL TCL4*012
TRAFFIC CLEARING LIGHT KIT**

A. GENERAL.

The Models TCL4*012 and TCLF4 are kits designed to replace either single or dual front facing end lamps with a traffic clearing light. It can only be installed on the Federal Model 22I Light Assembly.

B. UNPACKING.

After unpacking the kit, carefully check all envelopes shipping labels and tags before removing or destroying them. Ensure that the parts listed in the KIT CONTENTS LIST are contained in the packing carton.

WARNING

To avoid electrical shock, disconnect light assembly power cable before performing the installation procedure.

C. INSTALLATION.

1. Remove the two screws located at the identification plate of each dome assembly. Save the screws. Slide both dome assemblies out of the extrusion.
2. Using the two mounting holes provided in the light bar center mounting plate, install the adapter plate with two #8-32 x 1/2 Thd. Form. screws (supplied) as shown in figure 1.

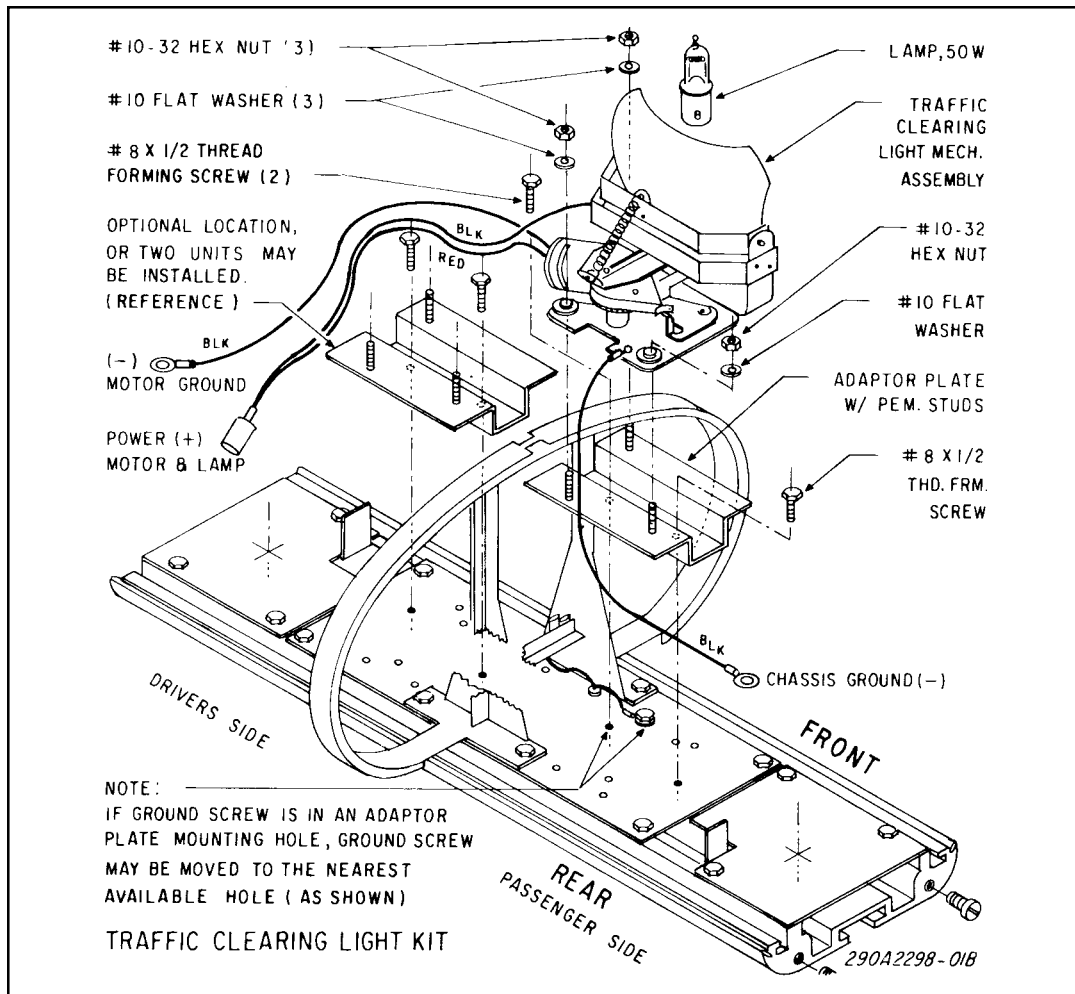


Figure 1. Installation Diagram.

3. Mount the traffic clearing light mechanism assembly to the adapter plate with three (each) #10-32 hex nuts and #10 flat washers (all supplied) as shown in figure 1.

CAUTION

When wiring, ensure that all wires are routed away from moving parts in the traffic clearing light mechanism and outboard reflectors. Use the supplied wire ties.

4. Connect the male terminal of the brown wire in the incoming cable to the female terminal of the double brown wire in the inside wiring harness (see figure 2).

5. Locate the other end of the double brown wire (refer to step 4) under one of the outboard reflector assemblies'. Connect this end to the traffic clearing light's motor and and lamp lead (+) (see figure 2).

6. Connect the traffic clearing light's motor and chassis ground leads to a good ground point in the light assembly as shown in figure 2.

7. Install the supplied lamp in the lamp socket.

8. Reinstall the dome assemblies. Secure with previously removed screws.

D. MAINTENANCE.

Lubricate all pivot and contact points of the mechanism assembly with a silicone based grease every six (6) months.

E. KIT CONTENTS LIST.

Qty.	Description	PartNo.
1AR	TCL Mechanism Assy.	8431C001
1AR	TCLF Mechanism Assy.	8431060
3	Nut, #10-32 Hex.	7059A014
3	Washer, #10 Flat	7072A020
1	Adaptor Plate Assy.	8542B471
2	Wire Tie	150A132
1	Lamp, 50 Watt	8107A119
2	Screw, #8 Thd. Form.	7011A023-08

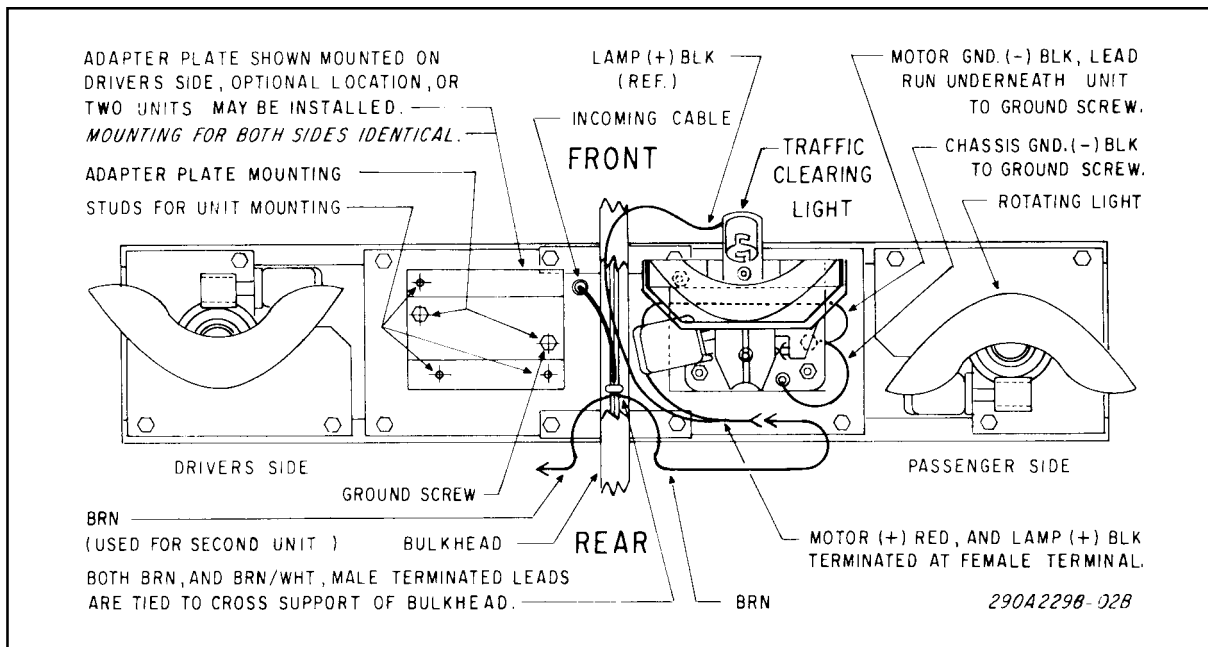


Figure 2. Wiring Diagram.