



Installation Instructions: Mechanical brake light switch CASCO Part number 13480MK

Thank you for purchasing CASCO's mechanical brake light switch assembly. We developed this system after many frustrating years of working with the original system consisting of a not-to-reliable switch in the hydraulic system. This unit uses a sub-micro limit switch which is quick acting and requires very little force to open the contacts.

This mechanical system is designed to operate with the original system therefore it is not necessary to remove or alter the original system in any way. In fact, the original system if working properly will act as a fail safe backup to your new mechanical system.

Please take time to read and understand these instructions fully before starting the installation.

If you have any questions about the mechanical brake light switch or it's installation please call CASCO technical service at (740) 622-9700.

1. **Disconnect battery.** When doing any mechanical or electrical work on your car it is always wise to disconnect the battery first.

Note: The two brackets "A and B" may have been shipped bolted together for safe shipping. This bolt is used on switch bracket A.

Refer to figure 1

2. Attach **switch bracket "A"** to pedal support using existing hole and supplied bolt, nut, and lock washer.
3. While holding the master cylinder brake rod eccentric bolt, carefully remove the retaining lock nut and install **switch bracket "B"** as shown.
4. Hold the eccentric bolt and replace the lock nut and tighten securely.

Refer to figure 2

5. Check brake pedal free travel adjustment to assure that it was not changed by installing bracket "B" in 4. above. Free travel should be between 5/16" and 7/16".
6. Hold the eccentric bolt securely and tighten the lock nut to 25-30 ft.-pounds torque.
7. Recheck the free travel to make sure that the adjustment did not change when the lock nut was tightened.

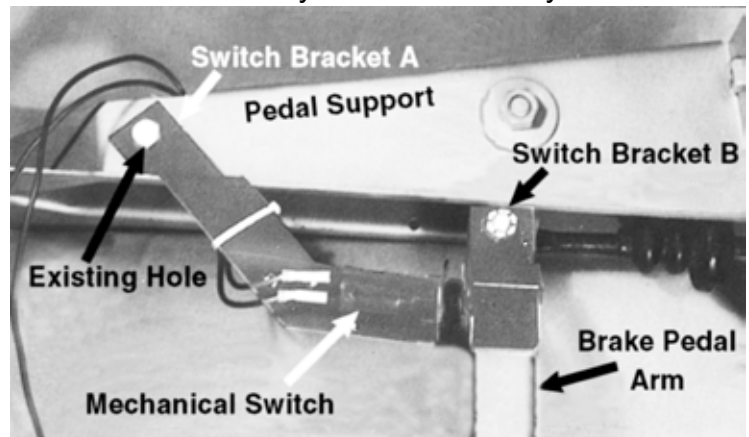


Fig. 1 Attaching Switch Brackets

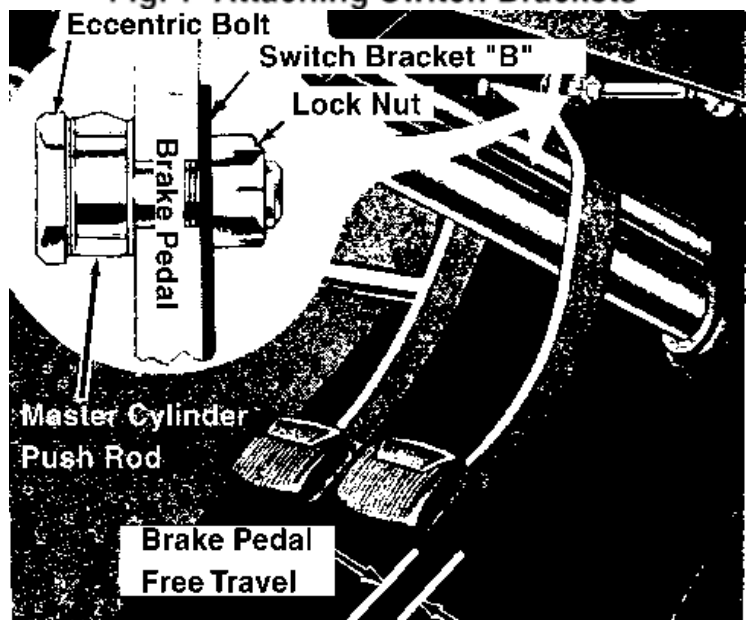


Fig. 2 Brake Pedal Free Travel Adjustment

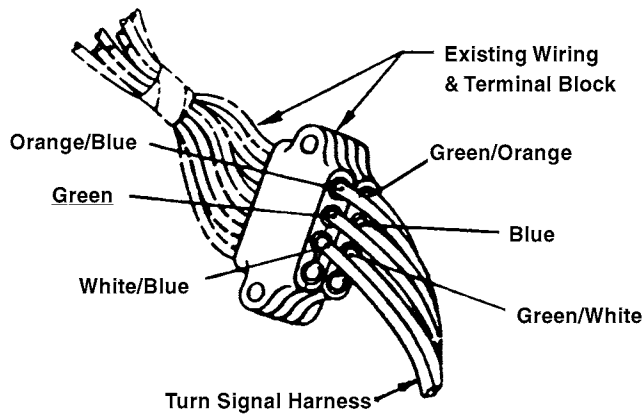


Fig. 3 Electrical Connections 55-56 T-Birds

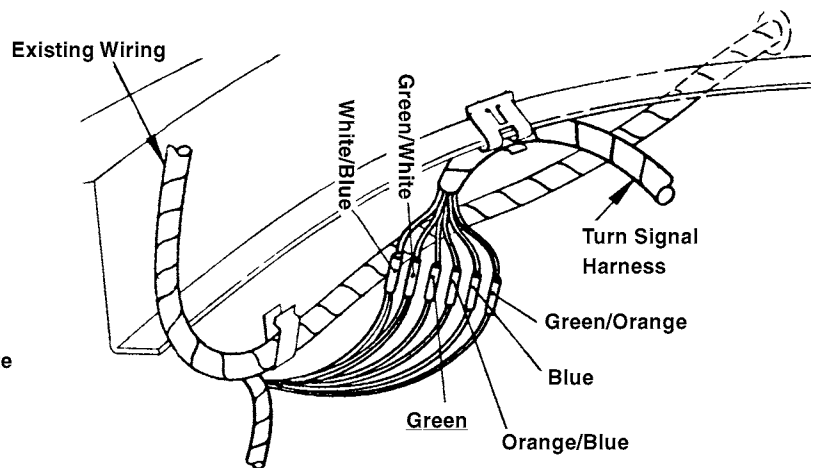


Fig. 4 Electrical Connections 57 T-Birds

8. Pass wires up through pedal support bracket as shown in figure 1.
9. Attach eyelet connector to terminal marked "A" on the back of the head lamp switch. There is usually a screw connector at this terminal. **It is important that the eyelet connector be attached to the "A" terminal only.**
10. Find the green wire in the turn signal harness (see figures 3 & 4). For 1955 and 1956 T-Birds this green wire will be plugged into a junction block as shown in figure 3. For 1957 T-Birds the green wire will be plugged into an in-line connector as shown in figure 4.
11. Unplug the existing green wire and plug it into the female socket on the new mechanical switch wire.
12. Plug male terminal of the new switch wire into the junction block (55/56) or in-line connector (57) where original green wire was attached.
13. Reconnect battery
14. Adjust the mechanical brake light micro switch by loosening the nut and bolt and sliding the switch assembly toward the switch bracket on the pedal arm. When properly adjusted, the brake lights should come on when the pedal has moved less than 1/2". When making this adjustment, make sure that the pedal is all the way up and at the end of the free travel.
15. Recheck the brake lights for proper operation before driving. 