



ELECTRIC WIPER CONVERSION KIT FOR THUNDERBIRDS
WITH 12-VOLT SYSTEMS

This unit has been carefully engineered for quiet, proper, and reliable action. It is a two-speed unit, utilizing FOMOCO motors and switches. A circuit-breaker is built into the switch. Installation requires no permanent modifications; no holes need to be drilled. The existing wiper control knob and trim are utilized. The self-contained conversion unit replaces the vacuum motor at the same location. Oilite bearings are used throughout, assuring long life and maintenance-free operation. No lubrication is required.

Although this is a 12-volt unit, it can be used in those 1955 T-Birds that have been modified for 12-volt operation, so long as the unit is connected to a 12-volt source not to the ignition switch.

Before proceeding, carefully examine and familiarize yourself with the existing wiper unit configuration, the electrical conversion unit, and these instructions. Read and understand all the instructions and notes.

This installation requires neither special skills nor tools, only patience and manual dexterity. Although this unit was designed for the easiest possible installation, you will find that it must necessarily be placed in an already crowded area.

INSTALLATION INSTRUCTIONS

I. PREPARATION

- a. In order to avoid electric shock, blown fuses and damage to electrical systems, disconnect the positive terminal at the battery.
- b. The radio should be removed in order to provide access to the working area.
- c. Provide clearance for the electric wiper control switch. The flasher unit is mounted horizontally behind the mechanical wiper switch. Unsnap the unit from the bracket and remove the screw that secures the bracket. Relocate the bracket to a vertical position at the underside of the dash using 3/16" screw, lockwasher and nut. With the screw pointing downward through the bracket and the existing hole

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2" to the right of the edge of the hood release handle bracket, snap the flasher into the bracket.

- d. Remove flexible duct to driver's side defroster outlet.

II. REMOVAL OF VACUUM UNIT AND MECHANICAL SWITCH

- a. Loosen set-screw on side of wiper control knob and remove knob. Unscrew and remove inner chrome plated collar at the center of the bezel and remove the bezel and center lens.
- b. Remove retainer that secures wiper arms to motor. This is done by moving retainer away from the motor and toward firewall. Slip ends of arms off the motor.
- c. Remove vacuum hose between t-fitting and motor, and plug with vacuum cap supplied. NOTE: Some cars have washer systems with a cable linking the motor and the foot switch. This needs to be discarded.
- d. Remove the two nuts that secure the vacuum motor to the mounting bracket. Remove the motor and switch.

III. INSTALLATION OF ELECTRIC WIPER UNIT

- a. Press Oilite bearings provided into rubber bushings at end of arms.
- b. Holding motor unit in position, slip a flat washer and then the passenger-side arm on the upper drive pin on the motor unit. Install a second washer and carefully install the E-clip into groove at end of pin, making sure that it is fully seated.
- c. Install motor onto bracket with mounting screws and nuts.
- d. As in step "B", install the driver-side arm to the lower drive pin.

NOTE

CARS EQUIPPED WITH WINDSHIELD WASHERS

During installation, avoid interference between wiper arms and washer nozzles in cowl. When unit is in place, secured, and arms attached, check for contact between arms and nozzles. In some cases it may be necessary to slightly bend the small inlet tube away from the arms to gain clearance, using caution to avoid breaking tubes.

NOTE

ALL CARS

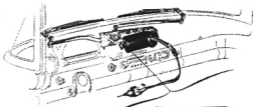
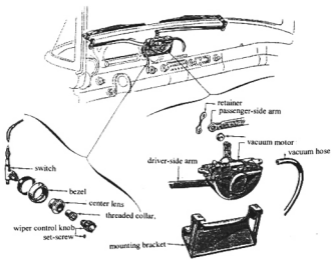
Carefully examine the area under the dash adjacent to the motor unit and arms. Make certain that no hoses, cables, wiring, or anything else is between the motor unit and the firewall and that nothing will otherwise interfere with the action of the motor unit or this wiper arms. Check the position of the firewall insulator pad in the area below the crank on the motor and, if necessary, fold or cut away a small portion of the pad.

- e. Insert switch. The switch is mounted in exactly the same manner as the original unit. Make certain that the flat portion of the shaft is aligned with the

corresponding shape of the mounting hole in the dash. Install bezel, center lens, threaded collar, and knob. Turn knob, making certain that it is in the off position (fully counter-clockwise). There are three positions.

- f. Connect the yellow single lead from the switch to the "accessory" terminal on the ignition switch.
- g. Using electrical tape, secure wiring into an out-of-the-way location under the dash.
***** It is recommended that before the next step, you remove the outside wiper arms.*****
- h. Re-connect the battery, and run the wipers through a few cycles of on-and-off. This will ensure that the system is fully operable. Check for any further interference with the under-dash operation and adjust as needed.
- i. Now, with the wipers in the off position, re-attach the outer wiper arms and again cycle the wipers to check the travel is not interfering with the stainless windshield moldings and re-adjust as needed.
- j. Replace radio and defroster duct, checking for any further interference.

You will find that by providing more dependable action, independent of engine speed and vacuum, your Thunderbird will be safer and more enjoyable to drive in less-than-perfect weather. We are certain that you will enjoy this unit as much as we have enjoyed developing it for you.



ELECTRIC WIPER UNIT



electric wiper control switch

