



November, 1972

SUBJECT:

MODELS:

LUCAS WIPER MOTORS

ALL MODELS

The combined parking and terminal plug switch on the latest Lucas Wiper Motors is now supplied separately and can be replaced easily in service without dismantling the motor. The replacement switch is identified by the wires from the motor having small female Lucar blade ends which connect to male blades at the back of the switch. As there are several part numbers for the switch depending upon the type of motor used, reference should be made to the various parts listings for correct ordering.

REPLACEMENT OF SWITCH

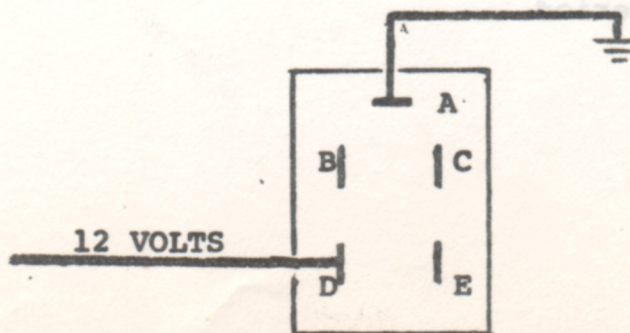
The switch is secured in position with a spring clip and normal thumb pressure applied forcing the switch away from the motor body should be sufficient for its removal. Damage will result if attempts are made to pull the switch away at right angles from the body. Connect the same wires from the motor to the replacement switch terminals and reclip switch on the wiper motor body.

CIRCUIT TESTING

With very few exceptions, wiper motors now being produced have the same terminal plug arrangement on the parking switch. The test outlined below can be done directly at the wiper motor or at the control switch if the wiper motor is not accessible.

TEST I (SLOW SPEED)

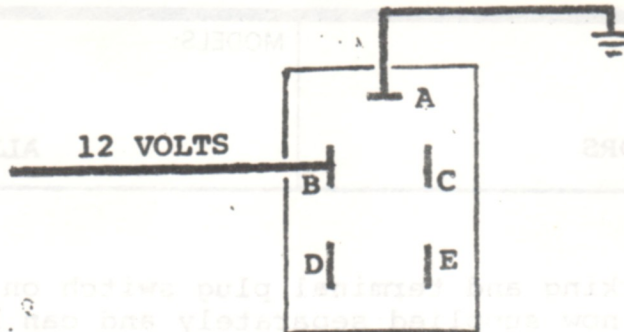
Remove wiring harness plug from motor. Ground with jumper cable terminal "A" and apply 12V hot wire to terminal "D". (Replace motor if motor does not run.)





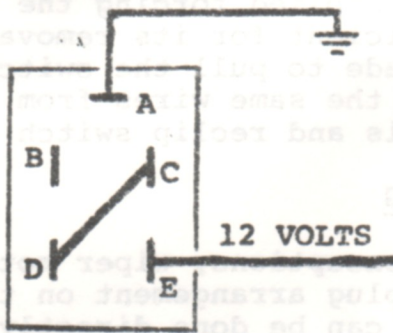
TEST II (HIGH SPEED)

Transfer 12V hot lead to terminal "B" retaining ground wire at terminal "A". (Replace motor if motor will not run.)



TEST III (PARKING)

Retain ground wire. Link with suitable jumper cable terminals "D" and "C". Connect 12V hot lead to terminal "E". Note: If gear is not in position, motor will run continuously and the parking switch plunger will have to be operated manually. If motor does not operate on Test 3, replace switch.



TESTING AT THE CONTROL SWITCH

Remove wires from switch noting correct positions on terminals and carry out tests 1 through 3 using the wiring color code as a means of identifying the correct terminal plug position. Switch replacements will be accepted on windshield wiper motors during the warranty period.

