

## GENERAL MOTORS

### General Motors, All

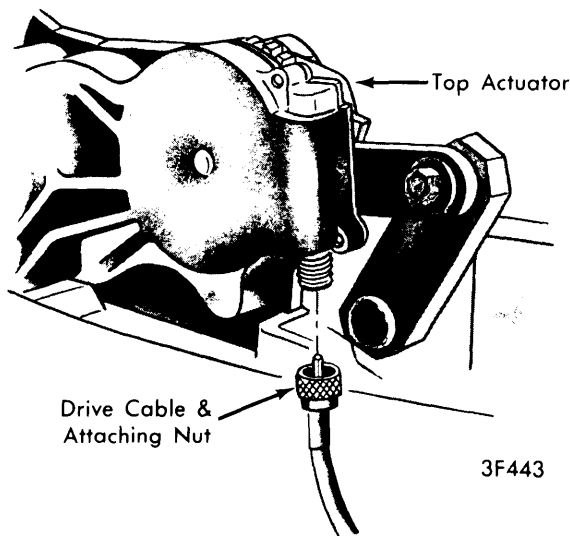
### DESCRIPTION

General Motors convertible body styles have an inward folding top. Operation of top is controlled by an electric switch on instrument panel. Top is powered by a reversible electric motor and gear reduction unit. The motor and gear reduction unit drive two cables which operate each actuator. Each top actuator contains an integral gear reduction unit with a sector gear and lever for hinge movement.

### ELECTRICAL TESTING

#### CURRENT DRAW TEST

To check current draw in the top operating circuit, disconnect black wire at circuit breaker (located at starter relay), and connect an ammeter in series in the circuit. Operate top and note readings. Current draw should be 28 Amps. while operating, and 40-50 Amps. stalled. The voltage reading should be 12.3 volts.



#### TOP ACTUATOR GEAR REDUCTION UNIT

### COMPONENT REPLACEMENT

#### RELAY

Motor relay is located on the rear seat back panel and is accessible from rear seat area. To remove relay, remove rear

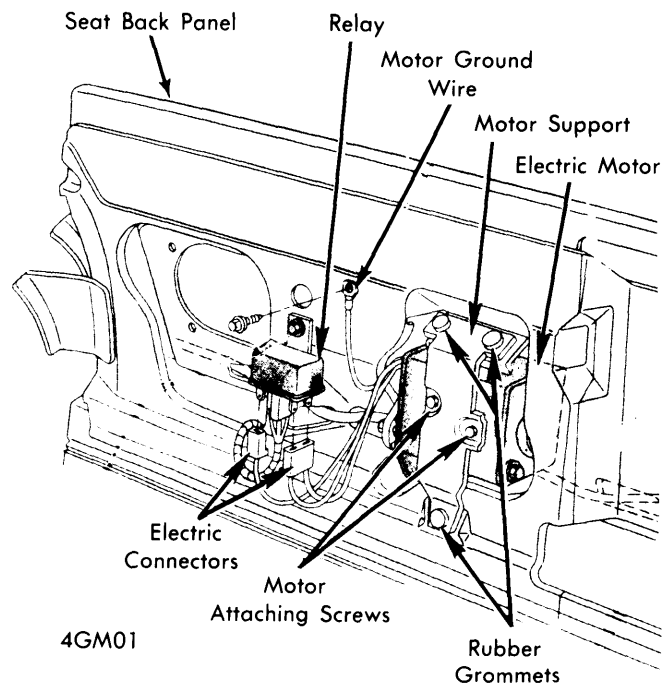
seat cushion and seat back. Disconnect drive cables at each actuator and disconnect wire connectors from relay. Remove relay screws and relay. To install, reverse removal procedure.

#### MOTOR & REDUCTION GEAR ASSEMBLY

Convertible top motor is located on the rear seat back panel. To remove motor, remove rear seat cushion and seat back. Disconnect motor ground strap and motor support grommets. Disconnect both drive cables from motor reduction unit and wire harness connector. Remove two motor-to-support attaching screws and remove motor. To install, reverse removal procedure. For ease of installation, apply a suitable solvent to grommets before installing. Check operation of motor and top before reinstalling trim.

#### ACTUATOR DRIVE CABLES

Remove rear seat cushion and seat back. Disconnect drive cable at top actuator assembly. Disconnect cable, right or left, at motor reduction gear unit. *NOTE — For removal of left cable, first remove motor from support bracket.* To install, reverse removal procedure. To aid cable engagement, push and rotate cable opening on actuator by finger or with suitable tool.



#### CONVERTIBLE TOP MOTOR & RELAY