1966 FISHER BODY SERVICE MANUAL

FOR ALL BODY STYLES

This publication contains the essential removal, installation, adjustment and maintenance procedures for servicing all 1966 Fisher Body Styles. All information, illustrations, and specifications contained in this publication are based on the latest product information available at the time of publication approval. The right is reserved to make changes at any time without notice.

Arrangement of the material is shown by the table of contents on the right-hand side of this page. Black tabs on the first page of each section can be seen on the edge of the book below the section title. A more detailed table of contents precedes each section, and an alphabetical index is included in the back of the manual.

FISHER BODY DIVISION
PART NO. 4226635

LITHO IN U.S.A.
AUGUST 1965

TABLE OF CONTENTS

ELECTRIC FOLDING TOP—CORVAIR

DESCRIPTION

The electric folding top assembly is actuated by a 12 volt shunt-wound motor located under the folding top compartment bag (see Fig. 11-71).

The motor is energized by a control switch mounted on the left side of the instrument panel (see Fig. 11-72). For wiring installation from engine compartment to instrument panel (see Fig. 11-73).

Checking Procedure

Failures in a circuit are usually caused by short circuits or open circuits. Open circuits are usually caused by breaks in the wiring, faulty connection or mechanical failure in a component such as a switch or circuit breaker. Short circuits are usually caused by wires from different components of the circuit contacting one another or by a wire or component grounding to the metal of the body due to a screw through the wire, insulation cut through by sharp metal edge, etc.

It may be necessary to use only one or all of the procedures outlined to locate an electrical failure in the circuit. If the location of the failure is evident follow only the steps required to check the affected wire or component. If the location of the failure is not evident, follow the procedure as outlined. Be sure to check the harness connectors for proper engagement, become familiar with the typical circuit diagram (see Fig. 11-74) and disengage drive cables at motor actuator assembly to relieve any mechanical bind.

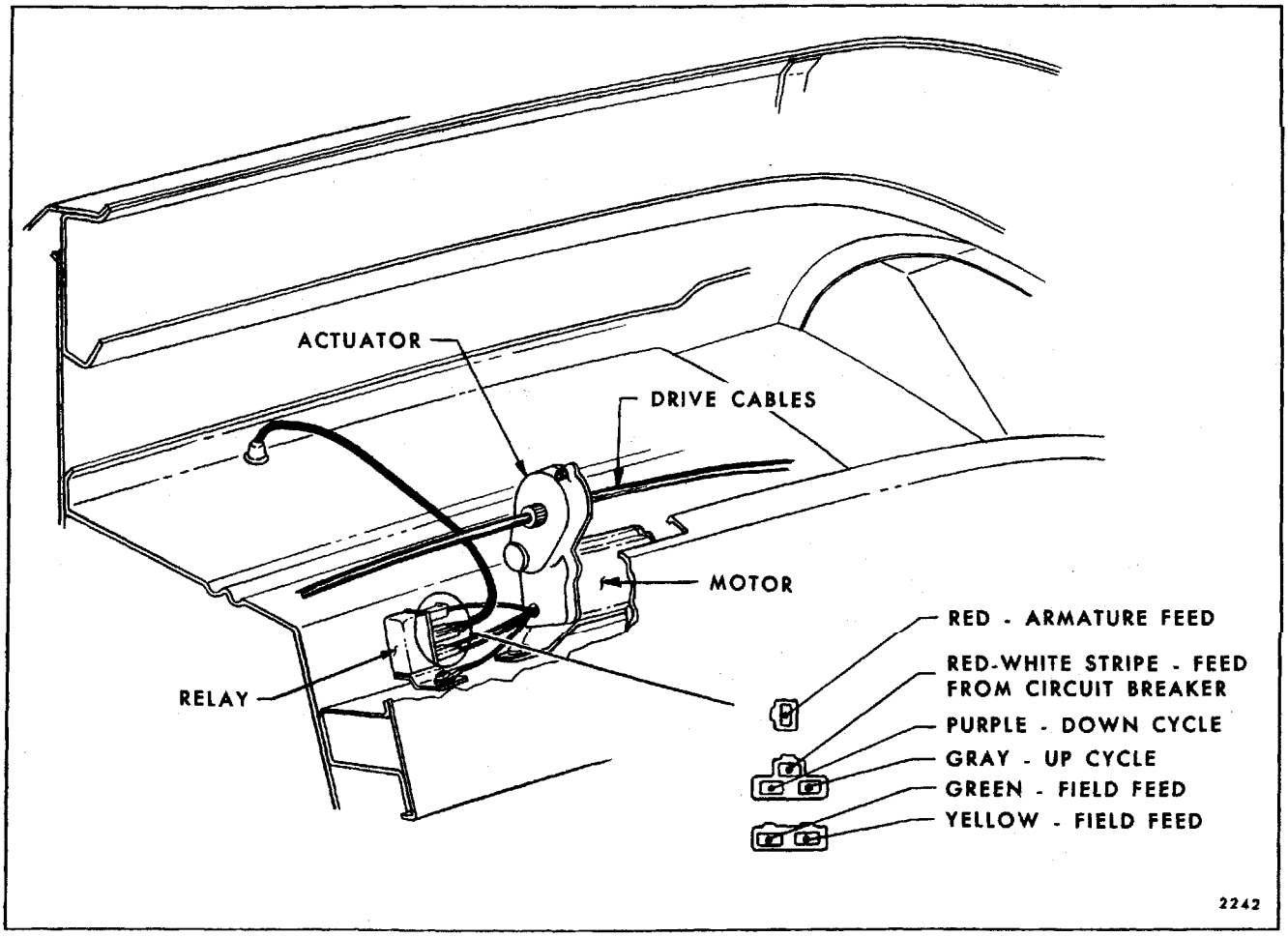


Fig. 11-71—Electric Folding Top Motor and Actuator - Corvair

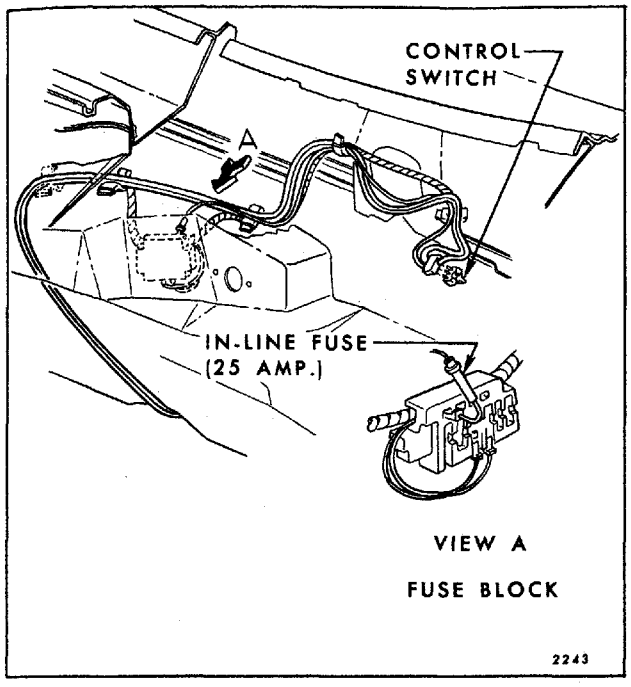


Fig. 11-72—Electric Folding Top Front End Wiring - Corvair

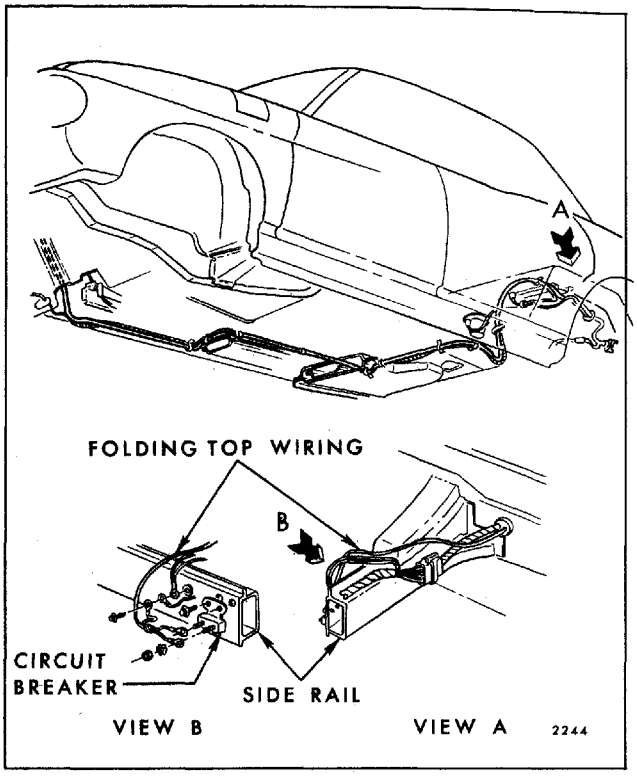


Fig. 11-73—Electric Folding Top Body Wiring - Corvair

a. Checking Feed Circuit Continuity at Circuit Breaker

1. Connect one test light lead to battery side of circuit breaker and ground other lead. If tester does not light, there is an open or short circuit in feed circuit to breaker.

2. To check circuit breaker disconnect the output feed wire (the wire opposite the power source feed to the breaker) from the breaker. Connect one test light lead to the output terminal and ground other lead. If tester does not light, circuit breaker is inoperative.

b. Checking Feed Circuit Continuity at Control Switch on Instrument Panel

1. Disengage harness connector from switch. Connect one test light lead to feed terminal of switch connector and ground other test lead to body metal. If tester does not light, there is an open or short circuit between switch and power source.

c. Checking Control Switch at Instrument Panel

1. Disengage harness connector from switch.

2. Use a #12 gauge jumper wire and insert one end into the feed terminal and the other end into one of the other terminals. Top motor should operate.

3. Repeat procedure for the other terminal. If the top motor operates with the jumper wire but does not operate with the control switch, the switch is defective.

d. Checking Feed Circuit Continuity at Relay at Motor

1. Disengage three-way connector body from the motor relay.

2. Insert one test light lead into the relay power feed connector slot on the harness, and ground other tester lead.

3. If tester does not light, there is no current at end of feed wire. Failure is caused by an open or short circuit in feed circuit.

e. Checking the Relay Assembly

1. Disconnect three leads from relay assembly. These are the wires leading from the motor to the relay. (Red, Green, Yellow, Fig. 11-71).

2. Connect one end of a jumper wire to one of the motor field feed studs on the relay and ground the other end of the jumper wire.

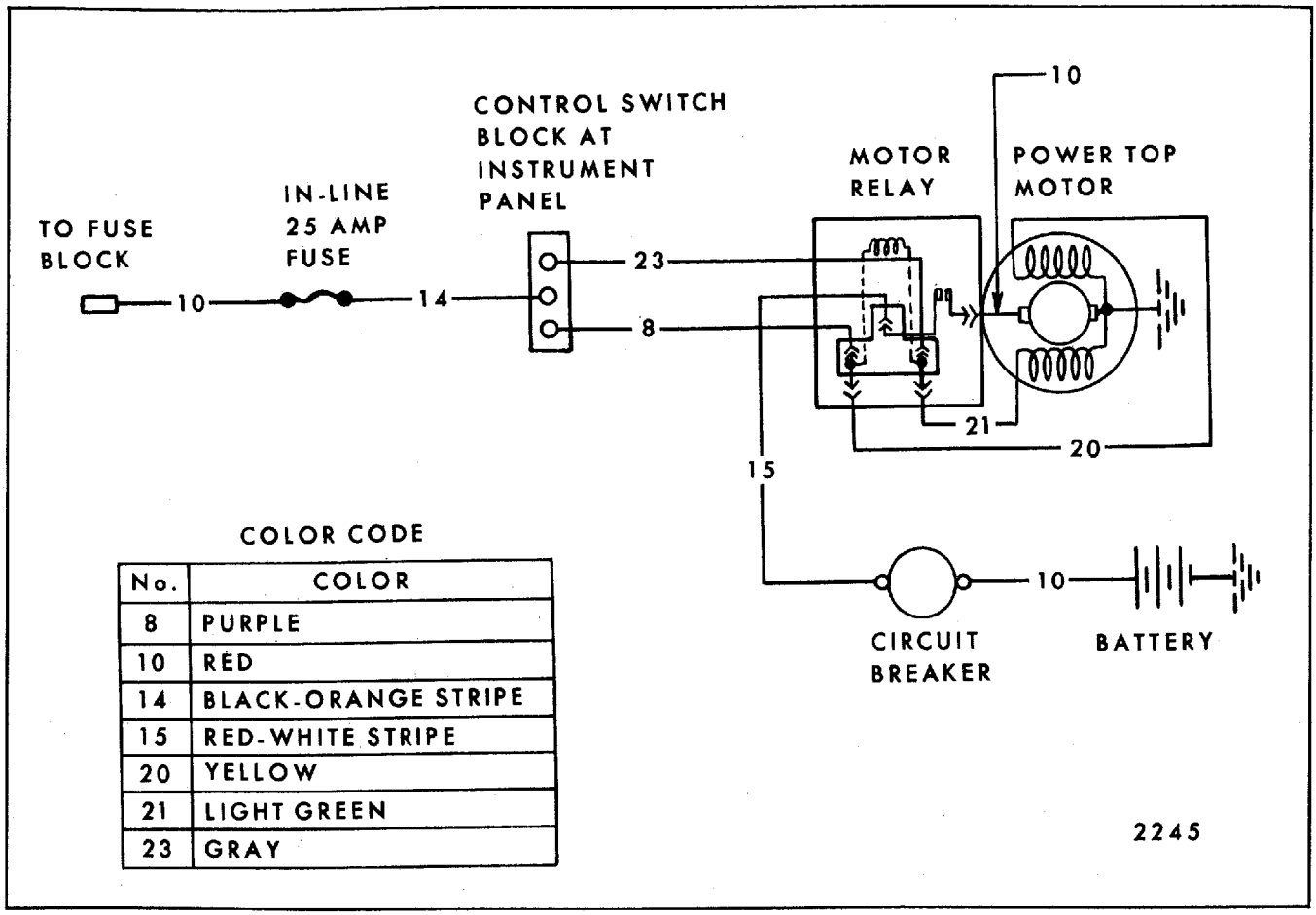
3. Connect one test light lead to motor armature feed stud on relay and ground other tester lead.

4. With jumper wire, energize the field stud which is not grounded.

CAUTION: Do not energize grounded side, if tester does not light, the relay is defective.

f. Checking the Motor Assembly

1. Disconnect motor field feed wires from motor (at relay).
2. Connect one end of a #12 gauge jumper wire to battery positive pole and other end to one of the motor field and the armature wires.
3. If motor does not operate, motor is defective. Check the remaining motor field wire in the same manner.



COLOR CODE

No.	COLOR
8	PURPLE
10	RED
14	BLACK-ORANGE STRIPE
15	RED-WHITE STRIPE
20	YELLOW
21	LIGHT GREEN
23	GRAY

Fig. 11-74—Electric Folding Top Wiring Circuit - Corvair