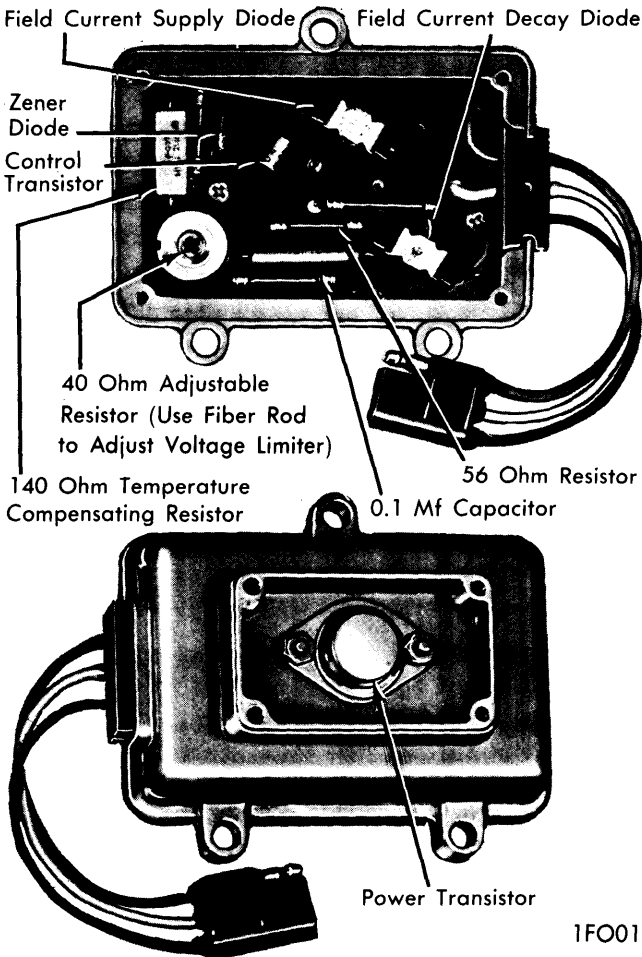


Alternator Regulators

MOTORCRAFT (AUTOLITE) TRANSISTORIZED REGULATOR

DESCRIPTION

Regulator is sealed unit using transistors and diodes rather than vibrating armature relay. Field relay is mounted separately on 1966-73 models. Regulator and field relay are one unit on 1974 models. **NOTE** - No testing procedure available for 1974 regulator at time of publication.

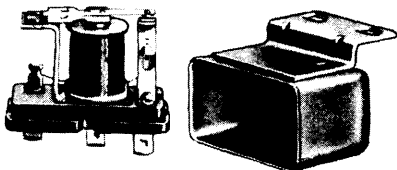


TRANSISTORIZED VOLTAGE REGULATOR (1966-73)

REGULATOR TESTING (1966-73 Models Only)

Field Relay Test - Disconnect relay connector plug. Make test connections as shown in illustration. Set field rheostat control to full counterclockwise position and turn knob clockwise until test light glows. Voltmeter will give relay closing voltage at moment test light glows. If relay closes immediately, even with field rheostat near maximum counterclockwise position, depress red button between meters and repeat test. If closing voltage is not to specifications, replace relay.

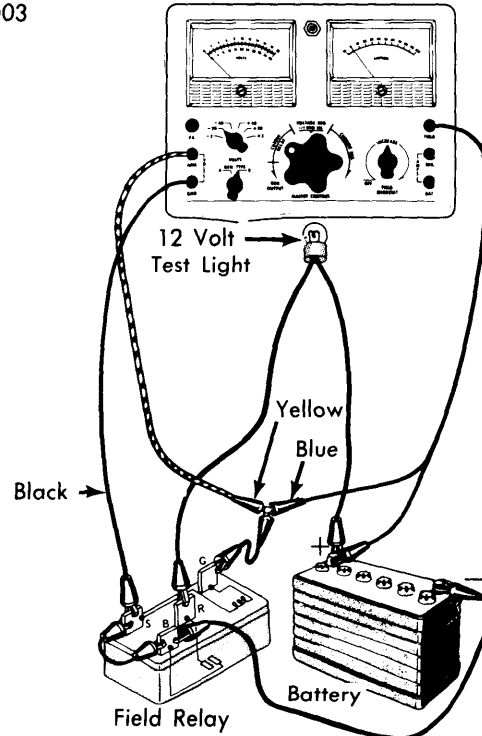
1FO02



FIELD RELAY, TRANSISTORIZED REGULATOR

Voltage Limiter Test - Test must be made with battery fully charged, regulator at normal operating temperature and with regulator operating with battery and ignition loads only. Make test connections as shown in illustration. Place transmission in neutral or "PARK" and set parking brake. Close battery adapter switch and start engine, make sure all lights and electrical accessories are off. Open battery adapter switch. Operate engine for five minutes at 2000 RPM, read voltmeter. If voltage is within specifications, voltage regulator and alternator are functioning normally.

1FO03



TRANSISTORIZED REGULATOR FIELD RELAY TEST

ADJUSTMENTS

Transistorized Regulator - Only adjustment on transistorized alternator regulator is with voltage limiter adjustment. Any adjustment must be made with regulator at normal operating temperature. Remove regulator mounting screws on 1966-73 models and remove bottom cover from regulator, on 1974 models, remove top cover from regulator. Voltage setting may be moved up or down by adjusting 40 Ohm adjustable resistor. Use suitable fiber rod as screwdriver for adjustments. Turn clockwise to increase voltage and counterclockwise to decrease voltage. Follow test procedures as outlined under Voltage Limiter Test when making adjustments.

Field Relay Specifications

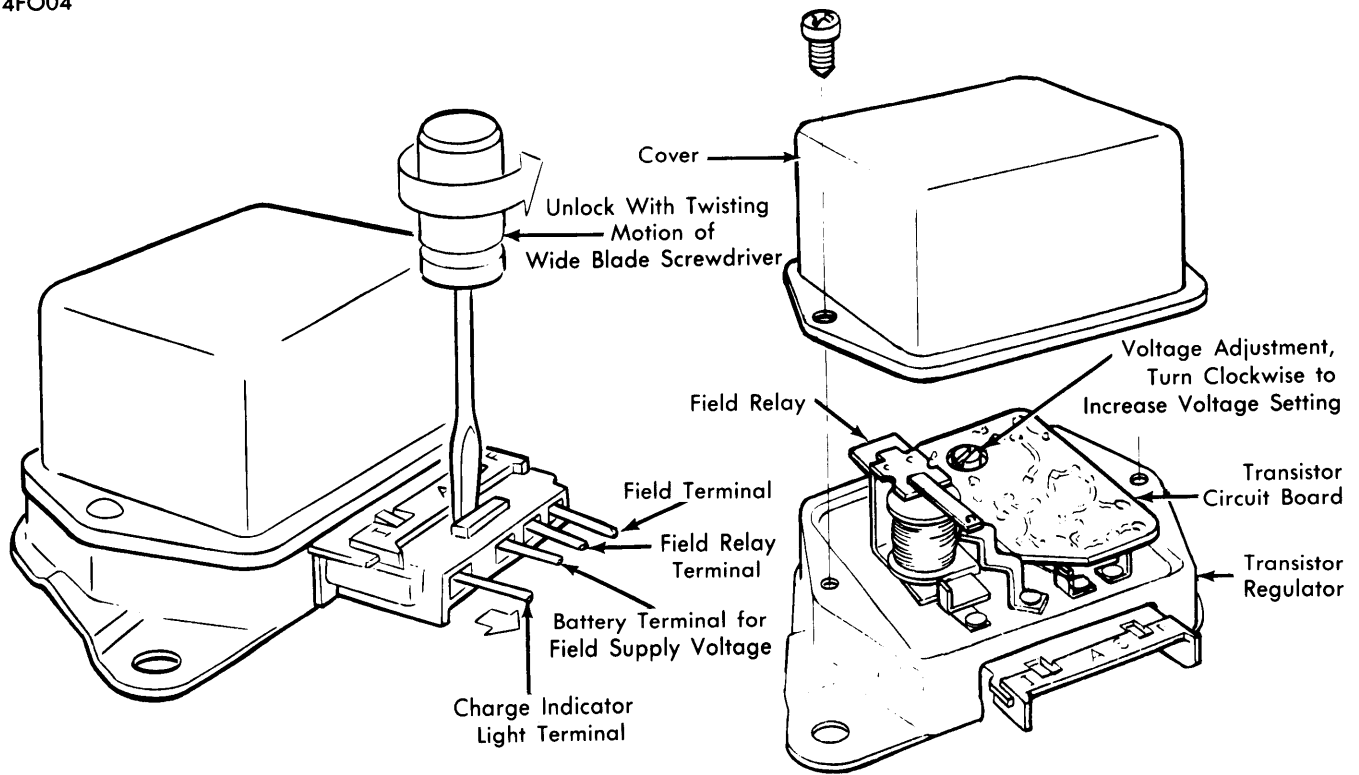
Application	Core Air Gap	Closing Voltage
All Models (1966-74).....	Sealed Unit.....	2.0-4.2

Voltage Limiter Specifications

Air Temperature	Voltage Setting
50° F.....	14.1-15.1
75° F.....	13.9-14.9
100° F.....	13.7-14.7
125° F.....	13.6-14.6

MOTORCRAFT (AUTOLITE) TRANSISTORIZED REGULATOR (Cont.)

4FO04



TRANSISTORIZED ALTERNATOR REGULATOR (1974 MODELS)