## STANDARD EQUIPMENT

ALTERNATOR
CHRYSLER — 2098525
RATED OUTPUT
35 AMPERES — 12 VOLTS
CIRCUIT TYPE — RBD

CURRENT OUTPUT
31.5-37.5A (MIN.) @ 15V
ENG. RPM — 1250 (Add 5 amps to obtain total output)
GEN. RPM — 3065

FIELD CURRENT DRAW
2.3A (MIN.) — 2.7A (MAX.) @ 12V
ENGINE STOPPED OR ROTATING
ALTERNATOR BY HAND
3.0A (MIN.) — 3.5A (MAX.) @ 15V 70°F.
ALTERNATOR OPERATING AT 750 RPM

BELT TENSION
NEW BELT 60 FT/LBS USED BELT 40 FT/LBS

## SPECIAL EQUIPMENT
### HEAVY DUTY AND AIR CONDITIONING

ALTERNATOR
CHRYSLER — 2098535
RATED OUTPUT
40 AMPERES — 12 VOLTS

CIRCUIT TYPE — RBD
CURRENT OUTPUT
36-42A (MIN.) @ 15V
ENG. RPM — 1250 (Add 5 amps to obtain total output)
GEN. RPM — 3065

FIELD CURRENT DRAW
2.3A (MIN.) — 2.7A (MAX.) @ 12V
ENGINE STOPPED OR ROTATING
ALTERNATOR BY HAND

3.0A (MIN.) — 3.5A (MAX.) @ 15V 70°F.
ALTERNATOR OPERATING AT 750 RPM
BELT TENSION
NEW BELT 60 FT/LBS USED BELT 40 FT/LBS

## RECTIFIER DIODE TESTING
### WITH NO. 67 BULB AND 12 VOLT BATTERY

TEST LAMP LITES ONE DIRECTION
DIODE SATISFACTORY

TEST LAMP LITES BOTH DIRECTIONS
DIODE SHORTED

TEST LAMP DOES NOT LITE EITHER DIRECTION
DIODE OPEN

**WITH DIODE RECTIFIER TESTER**
METER INDICATION 1¾A OR MORE
DIODE SATISFACTORY

METER INDICATION 1 AMP OR LESS
DIODE SHORTED

METER INDICATION ZERO
DIODE OPEN

**CONDENSER CAPACITY**
.5 MFD ± .1

## FIELD CIRCUIT RESISTANCE

IGNITION SNAP ON CONNECTOR DISCONNECTED FROM EITHER END OF BALLAST RESISTOR.
CONNECT DC VOLTMETER POS. LEAD TO BATTERY END OF POS. BATTERY CABLE, NEG. LEAD TO REGULATOR FIELD TERMINAL. WITH IGNITION SWITCH ON METER INDICATION SHOULD NOT EXCEED .55 VOLT.

## CHARGING CIRCUIT RESISTANCE

CONNECT DC VOLTMETER POS. LEAD TO ALTERNATOR BATTERY TERMINAL. NEG. LEAD TO BATTERY END OF POS. BATTERY CABLE.
WITH 10 AMP LOAD METER INDICATION SHOULD NOT EXCEED .3 VOLT

## GROUND CIRCUIT RESISTANCE

CONNECT DC VOLTMETER POS. LEAD TO NEG. TERMINAL OF BATTERY., NEG. VOLTMETER LEAD TO ALTERNATOR GROUND.
WITH 10 AMP LOAD METER INDICATION SHOULD NOT EXCEED .3 VOLT.

### UPPER CONTACT
## OPERATING VOLTAGE CHART

OPERATE ENGINE @ 1250 RPM
WITH 10 AMP LOAD FOR 15 MIN.
TO STABILIZE REGULATOR
SYSTEM

TEMPERATURE MEASURED
WITH THERMOMETER 2"
ABOVE REGULATOR

| TEMPERATURE DEGREES | SETTING VOLTS | |
|---|---|---|
| DEG. | MIN. | MAX. |
| 47° | 13.8V | 14.4V |
| 70° | 13.7V | 14.3V |
| 95° | 13.6V | 14.2V |
| 118° | 13.5V | 14.1V |
| 140° | 13.4V | 14.0V |
| 163° | 13.3V | 13.9V |

**CHARGING VOLTAGE**
13.4-14.3V

## REGULATOR
### CHRYSLER — 2098300 — 12 VOLTS — NEG. GRD.

VOLTMETER CONNECTED
POS. LEAD TO ALTERNATOR BATTERY TERMINAL.
NEG. LEAD TO ALTERNATOR GROUND.

**OPERATING VOLTAGE TEST**
RELATED TO TEMPERATURE & FULLY CHARGED BATTERY

**UPPER CONTACT SETTING (ADJUSTED BY SPRING TENSION)**
ENGINE SPEED — 1250 RPM WITH 15 AMP LOAD
REFER TO OPERATING VOLTAGE CHART SPECIFICATIONS
**NOTE:** NO CURRENT INDICATION ON TEST AMMETER WOULD INDICATE BLOWN FUSE WIRE BETWEEN UPPER CONTACT AND IGNITION TERMINAL.

**LOWER CONTACT SETTING (ADJUSTED BY AIR GAP)**
ENGINE SPEED — 2200 RPM WITH 5 AMP LOAD OR LESS
VOLTAGE SHOULD INCREASE NOT LESS THAN .2 VOLT OR EXCEED .7 VOLT AT ANY TEMPERATURE RANGE ABOVE UPPER CONTACT SETTING.

**REGULATOR SERVICING**
AIR GAP MEASURED AT HINGE SIDE OF STOP
AIR GAP — REGULATOR TEMPERATURE COMPENSATED
CONTACTS CLOSED WITH .052" GAUGE INSTALLED
CONTACTS OPEN WITH .048" GAUGE INSTALLED
LOWER CONTACT POINT GAP — .014" ± .002"

**CHARGING CIRCUIT FUSED**
UPPER CONTACTS TO IGN TERMINAL
LOWER CONTACTS TO BASE (GROUND)
FUSE WIRE NO. 2275242

**TAILORING VOLTAGE SETTING WITH NO CIRCUIT DEFECTS**
BATTERY UNDERCHARGED — RAISE SETTING BY .3V.
BATTERY OVERCHARGED — LOWER SETTING BY .3V.

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