

SERVICE BULLETIN

CAB SERVICE & PARTS CORPORATION

SUBSIDIARY OF
CHECKER MOTORS
CORPORATION

NEW YORK * BROOKLINE
CHICAGO * DETROIT

#81

February 11, 1959

Subject: ELECTRICAL

Description: GENERATOR AND REGULATOR ADJUSTMENT

Generator output capacity is regulated through a voltage regulator mounted on the left side of the radiator support cradle

Whenever adjustments are required to the regulator unit, extreme care is necessary, particularly in controlling any dirt or oil accumulation on the several point surfaces.

In order to maintain the battery voltage capacity at peak efficiency, and operate all accessories, the recommended current output should be maintained at:

14.0 Volts 30 Amps
(At Hot Temperatures)

When completing adjustments, generator and regulator should be hot, and regulator cover on regulator when readings are taken. Care should also be taken to see that regulator cover gasket is intact when cover is replaced.

Procedure for adjustment of regulator is as follows:

1. Inspect battery for full charge.
2. Adjust generator belt.
3. Tighten and clean battery connectors (particularly ground strap to engine).
4. Start engine and operate until hot.
5. Clean off regulator cover outer surface.
6. Remove regulator cover.

continued

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7. Remove battery wire from regulator lug.
8. Connect tester lead to regulator lug marked "battery."
9. Connect tester lead to battery wire which has been removed from regulator lug.
10. Connect third tester lead to engine ground.

Regulator has 3 coils with points

Lower Coil: (Cut-off coil) disconnects generator circuit when engine is not running.

Center Coil: Controls amperage output.

Top Coil: Controls voltage output.

Make necessary adjustments to point spring setting to maintain the:

14.0 Volts 30 Amps output

Replace wires onto regulator.

NOTE:

The above output applies to 30 Amp Generators. On 40 Amp units voltage remains at 14.0 Volts and amperage is adjusted to 40 Amps.

By: NEW YORK SERVICE DEPARTMENT