

**Service Information System**

Shutdown SIS

[Previous Screen](#)

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New Voltage Regulator Is Now Used {4467}

SMCS - 4467

Engine:**3306B (S/N: 8NS1-UP; LRW1-UP)****3406C (S/N: 9ES1-UP; LRX1-UP)****3406E (S/N: 8AZ1-UP)****3412 (S/N: 4BZ1-UP)****3412C (S/N: 9EP1-UP; BCW1-UP; LRY1-UP)****3456 (S/N: CCB1-UP; CBX1-UP)**

Description of Change: Effective July 2003, the **VR6** voltage regulator became the standard regulator in production. This voltage regulator has the droop rheostat installed on the face of the regulator. Therefore, an external rheostat assembly is not required.

Adaptable To: The **202-8634** Voltage Regulator Gp (**VR6**) replaces the **VR3** voltage regulator in production. The **202-8634** Voltage Regulator Gp is a direct replacement for **VR3** voltage regulators that currently exist in the field. When upgrading from a **VR3** voltage regulator (equipped with the **4P-3848** Current Transformer Gp) to the **202-8634** Voltage Regulator Gp (**VR6**), refer to the procedure below. This procedure needs to be followed in order for the droop circuit to operate properly.

Replacement Procedure

1. Disconnect and remove the **7C-8760** Rheostat Assembly from the **VR3** regulator and the **9Y-9437** Transformer .
2. Label the wires that go to the connector on the **9Y-9437** Transformer .

3. Cut off the connector from the **9Y-9437** Transformer. When cutting off the connector, make the cut as close to the connector as possible.
4. Install fork terminals on the **9Y-9437** Transformer wires.
5. Disconnect the sensing leads from the **VR3** voltage regulator.

Note: The sensing leads connect to the same terminals on the **VR3** and the **202-8634** Voltage Regulator Gp (**VR6**).

6. Remove the **VR3**.
7. Install the **VR6** in place of the **VR3**.
8. Connect the sensing leads to the **VR6**.
9. Install the black wire from the **9Y-9437** Transformer to Terminal 5 or Terminal 5A on the **202-8634** Voltage Regulator Gp (**VR6**).
 - a. Connect a 1 ampere droop circuit between Terminal 5 and Terminal 6 on the **VR6** voltage regulator.
 - b. Connect a 5 ampere droop circuit between Terminal 5A and Terminal 6 on the **VR6** voltage regulator.
10. Install the white wire from the **9Y-9437** Transformer to Terminal 6 on the **VR6** voltage regulator.

For schematic and droop operation information, refer to Specifications, Systems Operation, Troubleshooting, Testing and Adjust, RENR2480, "**VR6** Voltage Regulator".