KOHLER POWER SYSTEMS

SERVICE BULLETIN

ISSUE DATE: **8/90** MODEL: **7CKM--RV, 10/12CC--Mobile, 10/12RY--Standby, 10/12.5C--Marine** SUBJECT: **Stator Leads with PowerBoost III or PowerBoost IIIE Voltage Regulator** NO.: **501**

REVISION DATE: **--**

⚠ WARNING

Hazardous voltage can cause death or serious injury. The heat sink of the voltage regulator contains high voltage. Do not touch voltage regulator heat sink when testing or electrical shock will occur. (PowerBoost III only).

Generator sets produced prior to the use of PowerBoost III and PowerBoost IIIE voltage regulators had stators with windings 33--44 and 55--66, see Figure 1. Units produced with PowerBoost III and PowerBoost IIIE voltage regulators have these windings internally connected (center tapped) within the stator. PowerBoost III (X--239753) and PowerBoost IIIE (X--278598) voltage regulators can be identified by three adjustment pots. Lead 66 is now eliminated as it is combined with lead 33, see Figure 2. Stator connects to (PowerBoost III or PowerBoost IIIE) voltage regulator using terminals 33, 44, and 55 only. Voltage regulator terminal 66 exists, but is unused as a stator connection.

Terminal 66 on voltage regulator (PowerBoost III and PowerBoost IIIE) is intended for connection of a remote rheostat in applications where fine voltage adjustment is required. The rheostat will provide a 5 Volt adjustment range. This terminal is NOT intended for connection of stator lead 66 as was done with non--PowerBoost III and IIIE models.

*Some early 7CKM--RV with PowerBoost III voltage regulators may have a stator with a separate winding 55--66 where lead 66 and 33 are externally connected. In those cases, the following NOTE is required (as stated in the 7CKM--RV Service Manual).

NOTE

If voltage regulator is removed or replaced, be sure regulator is properly reconnected to generator. Stator lead 66 (along with lead 33) must be connected to voltage regulator terminal 33 or generator damage may result.

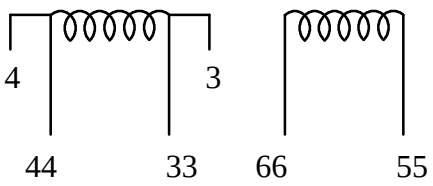

Figure 1. Stator Leads with Non--PowerBoost III/IIIE Voltage Regulator

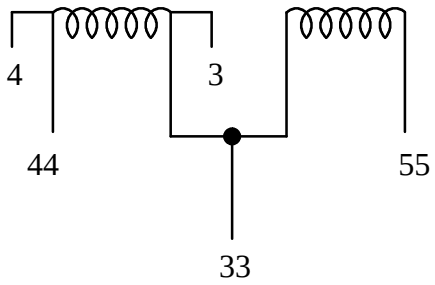

Figure 2. Stator Leads with PowerBoost III/IIIE Voltage Regulator *

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Initial Here							