

INSTALLATION GUIDELINES FOR WOODWARD GOVERNOR TYPE UG8 D/L

Before installing the governor make sure that:

1. The engine governor drive system does not show consumption and the clearances are normal.
2. The governor support surface on the engine and the lower side of governor base do not have any dents or residues of material.
3. The spherical joints and pins of the control system connection of the fuel pump linkage do not have excessive clearance (Fig.1).

ENERPAC

Attrezzature idrauliche

Centro di assistenza,
revisione e taratura
regolatori di giri



WOODWARD



ZEXEL- DIESEL KIKI
DAIHATSU - etc

OVERSPEED

Centro di revisione e
taratura



Revisione gruppi di
cogenerazione

Forniture ricambi per
attrezzature tecniche



Fig.1

Proceed with the following operations:

- Place the base gasket on the support surface between governor and engine.
- Place the governor with caution, taking care not to move the gasket and, mainly, to gently couple the governor drive shaft to its drive bushing or bevel gear on the engine.
- Make sure that the sub-base of the governor and the relative support surface on the engine come into contact without forcing
- Fit the four fixing screws of the governor base, bringing them up to contact and slightly tightening them.
- Fill the governor with oil up to the level.
- Connect the electrical connector.
- Rotate the engine with the turning gear and in the meantime tighten the four governor base fixing screws crosswise.
- With the connecting lever between the governor and the fuel pumps disconnected from the governor and then connected to the other end towards the pumps, align the governor and the injection system as follows:
 - A.** Rotate the terminal shaft (serrated) of the governor until the load index is in Pos. "0" and make sure that it never moves from that position.
 - B.** Move the fuel pump linkage in order to set pumps to the "zero" position and make sure it never moves from that position.
 - C.** Making sure that there is no change in the conditions of points "A" and "B", connect the lever to the terminal shaft of the governor and tighten.

D. Check that the speed setting index is in a position between 0 and 3. If necessary, rotate the speed setting knob counterclockwise (Fig. 2), lowering the speed setting and positioning the pointer to one of the above mentioned positions .

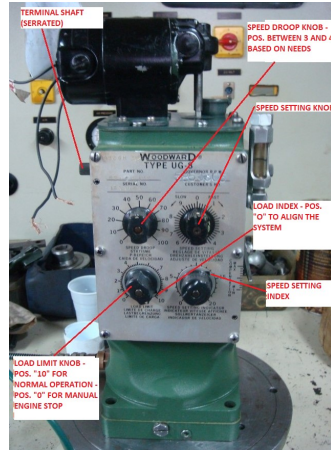


Fig.2

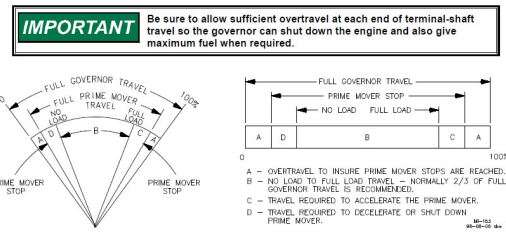


Figure 2-4: Recommended Terminal Shaft Travel

Start the engine (before starting, take into account the possibility of incorrect alignment and be ready to manually stop the engine in case of excessive acceleration).

⚠ Governor is not an overspeed protection system

After starting, with the engine running without load, the load index on the governor (see Fig. 2) must settle in a position between 1 and 2, otherwise it must be correct by acting on the swivel (see swivel Fig.1) so that this position is obtained.

If the system is unstable and the previous points 1 and 3 have been respected, check the position of the needle valve, gradually closing it until stability is achieved. The needle valve must never be closed completely and remain in a position between 1/2 and 1/8 of a turn.

N.B. A video tutorial dedicated to the calibration of the needle valve is available on the SIRTEC website: WWW.SIRTEC.COM.

When the above settings have been completed, with the engine running, carry out the following:

- Manually turn the Speed Setting knob clockwise (Fig. 2), to increase the setting until the approximate rated speed is reached.
- Then remotely, from the control panel, operate the speed setting motor to refine the required frequency, synchronize, parallel and then load the motor.

ENERPAC

Attrezzature idrauliche

Centro di assistenza, revisione e taratura regolatori di giri



WOODWARD



ZEXEL- DIESEL KIKI DAIHATSU - etc

OVERSPEED Centro di revisione e taratura



Revisione gruppi di cogenerazione

Forniture ricambi per attrezzature tecniche