

PARTS & SERVICE NEWS

REF NO.

AH04516

DATE

October 11, 2004

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SUBJECT: Engine ramp generator**PURPOSE:** Old design no longer deliverable
(Old: PN 399 723 40; new: PN 907 946 40)**APPLICATION:** H 185 (SN 06079-06144); H 285 (SN 78067 – 78167)
H 455 (SN15003 – 15009)**FAILURE CODE:** DL00MA**DESCRIPTION:****1. General**

The Ramp Generator is an aid to properly starting the engine and then controlling the rate at which the engine speed is allowed to increase from low idle to high idle.

The low idle speed and ramp time is adjustable on this unit.

2. Replacing the faulty ramp generator

- Remove the old ramp generator and drill 4 new holes for mounting the new one (Refer to illustration 2).
- Change the wires like for like to the same terminals as before on the old generator.

3. Calibration procedure (illustration 2)

- The potentiometer “fuel limit” (1) has no function.
- Start the engine and check the low idle speed. It must be 800±50 RPM (refer to the documentation of your excavator).
- If necessary turn slowly the “Idle Speed” potentiometer (3) until the engine is operating at the desired idle speed.
- Now switch the engine speed to high idle (use the switch in the operators cab) and test the ramp time. It should be 4 to 5 sec. The engine should slowly accelerate up to high idle.
- If necessary adjust the ramp time by turning the “Ramp time” potentiometer (2).
- At last lock the adjustments with the corresponding counternuts.

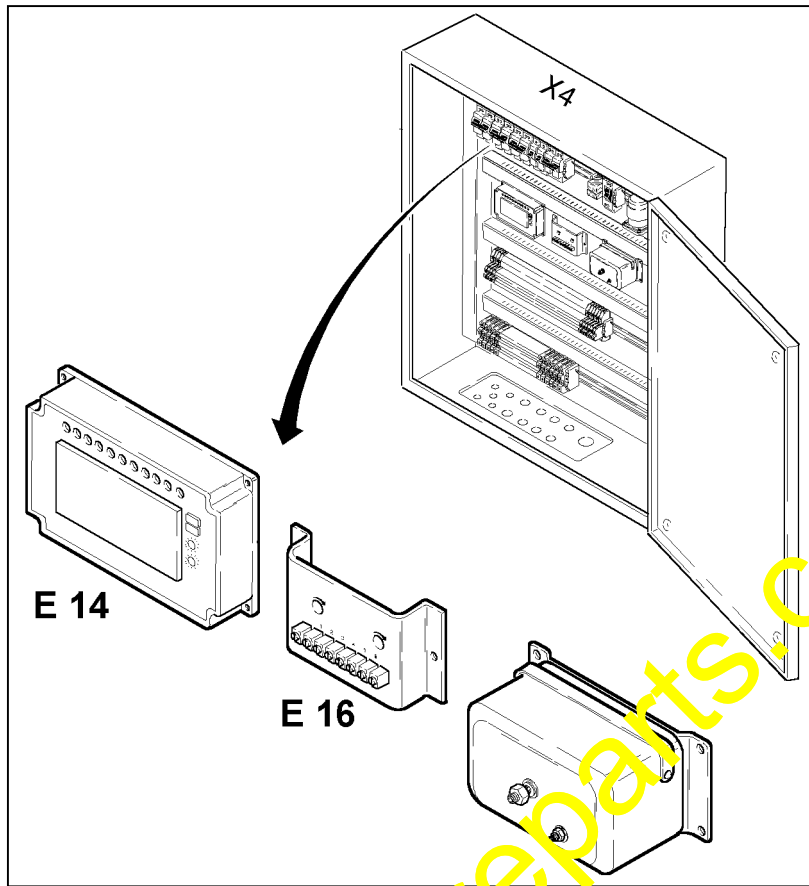


Illustration 1

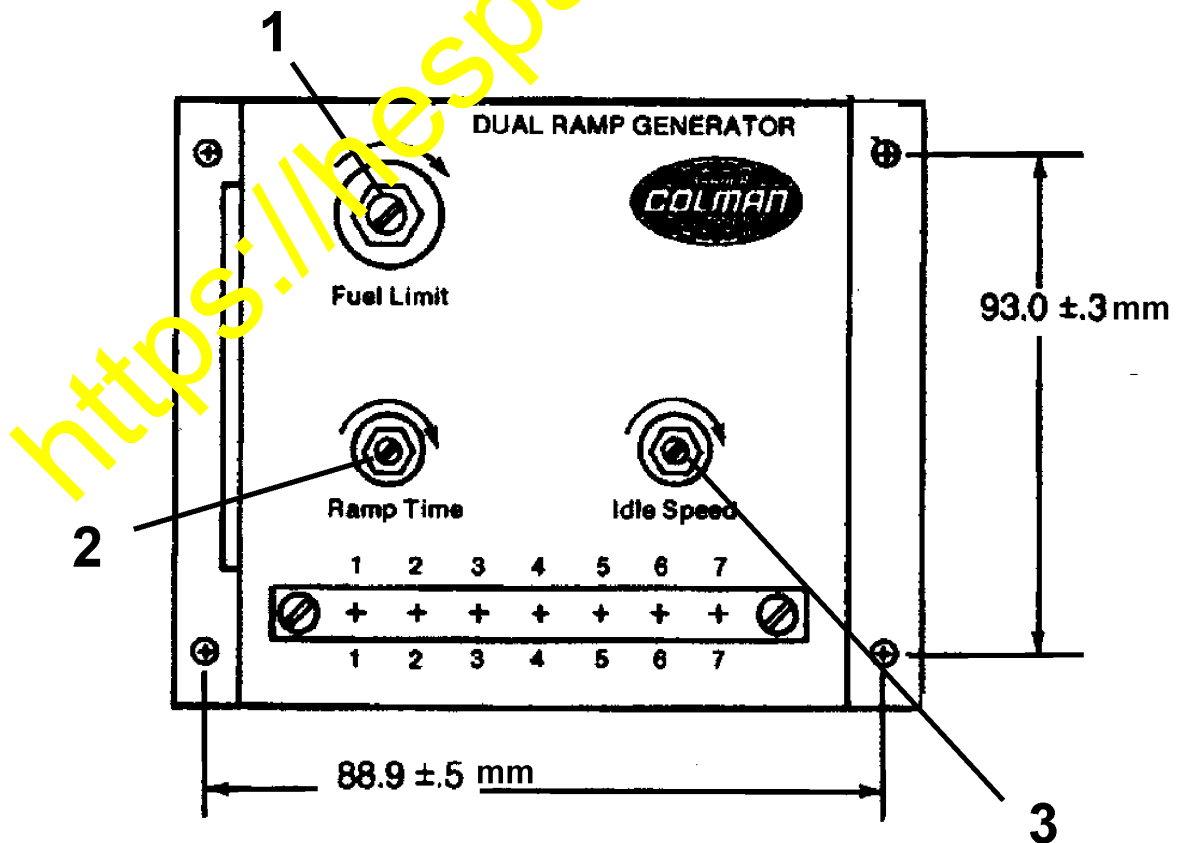


Illustration 2