



**SERVICE
BULLETIN
504**

**EMISSION
INFORMATION
UNITED STATES ONLY**

ISSUED: July, 1999

ENGINE MODELS CONCERNED: LEV 80-333001A, 333002A, 333004A, 333006A.

D.O.M. (s) Affected: 9095 thru 9145

SUBJECT: Emissions Control System

Tecumseh Products Company, in cooperation with California Air Resource Board (CARB) and US Environmental Protection Agency (EPA) needs your assistance.

The testing of engines manufactured in compliance with these regulations has uncovered a potential emission control system problem. The area of concern (outlined below) should be inspected when equipment is received for service. A unit, **in the above DOM range** which has been repaired, will have a **Gray idle restricter cap** installed (see **Illus.**) and no additional repair is needed. If you find a **black cap** the unit will require re-work.

Should the inspection reveal the engine has not been repaired, install service kit part number 730631. This kit contains the following parts, which must all be installed to correct the problem.

CAUTION: Before performing this repair be sure to drain the fuel supply into an appropriate container.

Kit Number 730631

New Main Metering Jet #640201

New Idle Restrictor #640018

New (grey color) Restrictor Cap #640053

New Main Jet Gasket #27110A

To perform this repair, pierce the idle restrictor cap using a sharp instrument such as an awl or ice pick, then pry the cap off and unscrew the restrictor. When re-installing the idle restrictor torque it to 5-8 inch lbs, then install the **New Grey** cap on the restrictor. Remove the main metering jet/bowl nut and gasket and replace them with the **New** required parts.

After completion of the repair, file for warranty reimbursement, using the ESA 157 claim form.

