



SERVICE BULLETIN 407 4 CYCLE
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ISSUED: May 1999

SUBJECT: Hot Restarting of Swisher String Trimmer Mowers

MODELS OR TYPES AFFECTED: LEV120-361052B

We have been reviewing some field concerns regarding hot restarting difficulties on the above model and specification engines. This condition has been found to occur on some units after heavy use. The engine does not exhibit this condition when the unit is cold.

Before performing the repair outlined, check for fresh fuel, a good spark plug and the air filter condition. Then verify with the customer that they are **not** priming the engine for restarting which can cause a flooding condition.

For this two step repair we have developed a new carburetor to address units that may experience this condition. The first step is to replace the complete carburetor with service part number **640142**, ordered from your normal source of supply.

The next step while you have the manifold off is to check the **Intake** valve lash. Our evaluations found the best hot restarting to occur when the intake valve lash is at the bottom of the tolerance (**.004 to .006 inch.**). If the lash is out of this specification it should be narrowed to the range listed. As always use proper valve seat cutting tools such as those available from Neway Mfg. Company.

When you have re-assembled the engine, check for proper governed speed which is **3200 RPM + or - 150 RPM.**

When the repair is completed file for warranty using the ESA 157 claim form.