SERVICE BULLETIN

M-1101 April 25, 2000

IDLE SPEED SETTING PROCEDURE FOR FLTRSEI
WIRING DIAGRAM FOR FLTRSEI

Purpose

Normally both cold and hot idle speeds are factory set and should not require adjustment. We recently learned however, that some early production SCREAMIN' EAGLE® ROAD GLIDE®, FLTRSEI vehicles were shipped with an improperly adjusted hot idle.

Due to the performance camshafts and the 1550 Stage 2 calibration, the throttle openings required to maintain the desired hot and cold idle speeds differ from the 1450 engine. Therefore a different idle speed setting procedure is required. The following procedure will also reduce potential intake seal leaks because there is no need to run the engine without the air cleaner assembly to support the induction module.

Also on the last pages of this Bulletin, a wiring diagram for the FLTRSEI model has been provided.

IDLE ADJUSTMENT PROCEDURE

1. Refer to Section 9 of the FLT Service Manual, remove air cleaner assembly including backplate from engine.
2. Remove right saddlebag and right side cover. Connect Scanalyzer to data link connector. Cycle ignition switch ON and OFF to insure idle speed control actuator (ISC) is in proper position.
3. See Illustration. Unplug connector at the ISC.
4. Turn ignition switch ON and engine stop/run switch to RUN position.
5. Select the “Data Monitor” option on the Scanalyzer and scroll down to “TP voltage”.
6. Note and record “TP voltage” (this is hot idle setting and should be approximately 0.7 volts. Back out (turn counterclockwise) hot idle screw approximately 2 turns. “TP voltage” should now be dependent on cold idle screw and should be between 0.64 and 0.68 volts. If necessary, adjust the cold idle set screw to obtain that proper cold idle “TP voltage” of 0.64 - 0.68 volt.

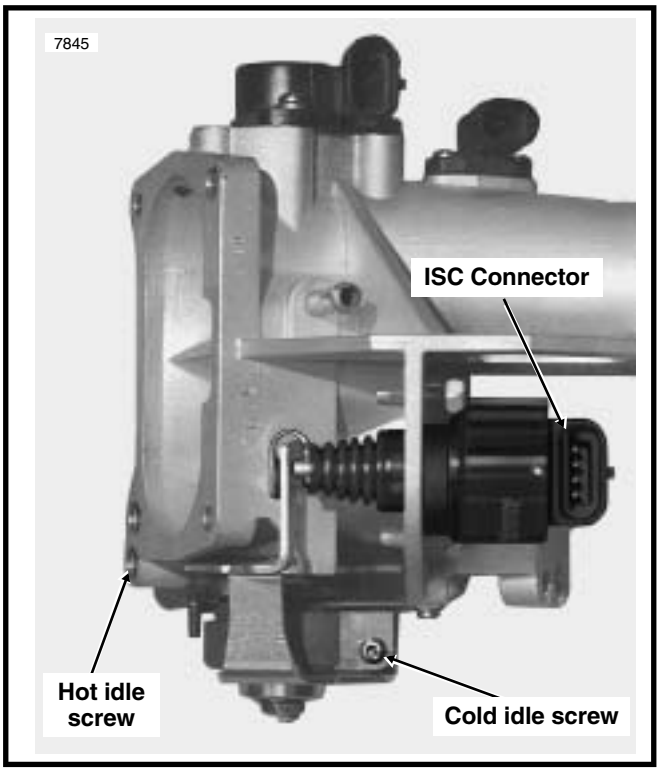

Illustration. Induction Module

NOTE

To gain access to cold idle screw in step 6, gently open throttle. DO NOT allow throttle to “snap” shut. This could cause the ISC to move and change the TP voltage. Roll throttle closed gently.

7. Return hot idle speed screw to approximately 0.7 volts.
8. Turn ignition switch OFF and wait approximately 10 seconds for ECM relay to disconnect. (ISC will stop in the extended position and the Scanalyzer screen will display “No response”).
9. See Illustration. Reconnect connector at the idle speed control actuator.
10. Install air cleaner backplate.

ROUTING	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	LEAD TECHNICIAN	TECHNICIAN NO.1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	TECHNICIAN NO. 4	RETURN THIS TO
INITIAL HERE									

11. Start vehicle and run until both engine and oil are fully warm. Using the Scanalyzer, verify that engine temperature is 284° F. (140° C.).

NOTE

A cooling fan should be directed at the engine to insure intake air temperature (IAT) does not exceed 125° F

12. Check hot idle speed. If idle speed is not 1000 RPM, adjust hot idle screw to obtain 1000 RPM.

CAUTION

To ensure proper charging at idle, maintain an idle speed of approximately 950-1050 RPM. Insufficient idle speed may drain the battery in excessive idle situations, resulting in insufficient voltage to the ECM, ignition coil and fuel pump (which can result in a variety of operating problems).

13. Turn ignition switch OFF and wait approximately 10 seconds for ECM relay to disconnect. (ISC will stop in the extended position and the Scanalyzer screen will display “No response”).
14. Remove both 5 amp and 15 amp fuses (ECM power and fuel pump) for at least 1 minute.
15. Reinstall both 5 amp and 15 amp fuses.
16. Turn ignition switch ON and wait until CHECK ENGINE light goes out.
17. Turn ignition switch OFF and wait approximately 10 seconds for ECM relay to disconnect. (ISC will stop in the extended position and the Scanalyzer screen will display “No response”).
18. Start engine and run until both engine and oil are fully warm. Using the Scanalyzer, verify that engine temperature is 284° F. (140° C.).
19. Check that hot idle speed is 950-1050 RPM, turn the Ignition/Light key Switch to OFF
20. Disconnect Scanalyzer, Install air cleaner assembly, right side cover and right saddlebag.

WIRING DIAGRAM FOR FLTRSEI

File the Wiring Diagram with your Screamin’ Eagle® Road Glide® service literature.