



UI BULLETIN # 63

SUBJECT: Fast Idle Procedure for LB7 Engine

MODELS AFFECTED: GMT800 Full Size (C/K)
Pickups w/ 6.6L Duramax Engine (LB7)

MODEL YEAR(S): 2002-2003

DATE: 3/19/03

REVISION DATE:

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ADVISORY

This Bulletin is being issued to advise the Upfitter community of an alternative method to implement Fast Idle on 2002 - 2003 Full size pickups with the LB7 Duramax diesel engine. Fast Idle may be implemented as defined in UI Bulletin #53 with full PTO capability. The UF3 Fast Idle option may be ordered on 2003 Medium Duty trucks, but not on C/K Pickups. The attached procedure utilizes a Tech II Scan tool to make the ECM "think" it is in a Medium Duty truck. The procedure describes where to connect a momentary switch to the ECM and how to operate the Tech II.

NOTE:

The Tech II Scan tool is available through authorized GM Dealers.



UI BULLETIN # 63 (Cont'd)

HIGH IDLE ACTIVATION FOR FULL-SIZE (GMT800) PICKUPS WITH LB7 ENGINE

The GMT800 pickup models are not officially released with this function. For customers with one of these vehicles, the procedure described below is a method to achieve a high idle function to help with vehicle warm up. There is no engine temperature criteria to turn off this function. The procedure has been verified to work on a 2003 model year GMT800 truck. It should work on any 2002 through 2003 GMT800 pickup model with the LB7 engine option, however, engineering has not verified operation on a 2002 model.

1. **Disconnect battery power.**
2. **Wire in a momentary switch between ECM Pin J1-31 and Chassis Ground.**
3. **Reconnect battery power.**
4. **Turn ignition key from OFF to ON.**
5. **Hook up Tech II and select "F0: Diagnostics".**
6. **Select 2003 model year.**
7. **Select "Medium Duty Truck".**
8. **Select "F0: Powertrain".**
9. **Select "6.6L V-8 LB7 Diesel".**
10. **Select proper transmission.**
11. **Select "F2: Special Functions".**
12. **Select "F2: PTO Options".**

Initial Menu Screen Info: DOES NOT MATCH ACTUAL OPERATION



UI BULLETIN # 63 (Cont'd)

HIGH IDLE ACTIVATION FOR FULL-SIZE (GMT800) PICKUPS W/LB7 ENGINE (CONT.)

	<u>INITIAL TECH II READ</u>	<u>FACTORY DEFAULT</u>
PTO Fast Idle Option	Fast Idle	Stationary Preset
PTO Max Engine Speed	6375	2200
PTO Standby Speed	6375	850
PTO Max Engage Speed	6375	1000
PTO Engine Shutdown	Yes	NO
PTO Engage Relay	Yes	Yes
PTO Feedback	Yes	Yes

13. Select Change Options

- A) Select "F0: Fast Idle"
- B) Highlight "PTO STANDBY SPEED" and keep toggling the "Decrease" button until speed = 1225 RPM,
- C) Highlight "PTO ENGINE SHUTDOWN" select "NO"
- D) Highlight "PTO ENGAGE RELAY" select "NO"
- E) Highlight " PTO FEEDBACK" select "NO"
- F) Press the corresponding Tech II function button for "REPROGRAM".

Key off vehicle, wait 15 seconds, restart vehicle and repeat steps 5-12 to verify changes occurred.

Function should now work: Press switch - function "ON", then press switch - function "OFF".

NOTE:

A Brake or Clutch Pedal apply will turn off High Idle.
Vehicle must be stationary (and in "Park" for automatic transmission).

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WITH ANY QUESTIONS REGARDING THIS BULLETIN.