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2.8 Duramax Tune installation instructions.

Section 1

In most cases your new AutoCal will come pre-loaded with the custom tunes that you have ordered for your vehicle. If we requested a 'read' from your ECM or TCM, please see the READ section in other instructions before proceeding!

If there are **NO EMISSIONS CODES OR MESSAGES** present, leave everything hooked up and proceed to flash the file labeled 'single'. If there are Emissions messages or codes present go to Section 2

Before you start, please make sure the battery of your vehicle is in good condition as the programming of your ECM and/or TCM can take up to 10 minutes. If need be, hook up a battery charger and turn off any accessories, radio, heater etc. in the vehicle while doing the programming.

- Locate the OBD2 cable that came with the AutoCal and connect it to the AutoCal.
- Locate the OBD2 port in the vehicle; usually it is located to the left of the steering column, just below the lower edge of the dashboard. Connect AutoCal to the OBD2 port and it will power up.

Now we are ready to load the custom tunes in your vehicle.

Make sure that the 'XXXX' in the tune file name matches the last 4 digits of your vin.

Before the programming starts, you will be prompted to license the controller; this is only needed once per vehicle.

1. Select the 'tune tool' and press the check mark button
2. Select 'F3', Program Full and press the check mark button
3. Select 'Select tune'. Select SINGLE_XXXX-AC.ctz and press check mark.
4. **TURN IGNITION TO RUN POSITION, DO NOT START VEHICLE**
5. Press check mark until you are past the warnings
6. Follow on screen instructions and wait for flashing process to complete.
7. If you used the SINGLE_XXXX-AC.ctz file, you are done
8. Unplug the 2 NOX modules, 1 particulate module and the small connector on the DEF tank Module.
9. Start vehicle and confirm that everything works as it should; it is now safe to remove any emissions equipment you want to remove.
10. If a transmission tune was purchased, this can be flashed now as well.

You have now successfully installed your custom tune.

Section 2

If there are **EMISSIONS CODES OR MESSAGES** present proceed to flash the file labeled 'Reset'.

Before you start, please make sure the battery of your vehicle is in good condition as the programming of your ECM and/or TCM can take up to 10 minutes. If need be, hook up a battery charger and turn off any accessories, radio, heater etc. in the vehicle while doing the programming.

- Locate the OBD2 cable that came with the AutoCal and connect it to the AutoCal.
- Locate the OBD2 port in the vehicle; usually it is located to the left of the steering column, just below the lower edge of the dashboard. Connect AutoCal to the OBD2 port and it will power up.

Now we are ready to load the custom tunes in your vehicle.

Make sure that the 'XXXX' in the tune file name matches the last 4 digits of your vin.

Before the programming starts, you will be prompted to license the controller; this is only needed once per vehicle.

1. Select the 'tune tool' and press the check mark button
2. Select 'F3', Program Full and press the check mark button
3. Select 'Select tune'. Select RESET_XXXX-AC.ctz and press check mark.
4. **TURN IGNITION TO RUN POSITION, DO NOT START VEHICLE**
5. Press check mark until you are past the warnings
6. Follow on screen instructions and wait for flashing process to complete.
7. **Start vehicle and leave the engine running until all Emissions related messages are gone**
8. Shut down engine as soon as messages are gone!
9. Proceed to load the file labeled SINGLE_XXXC_AC.ctz, the same way you loaded the RESET file
10. Follow all on screen instructions.
11. If messages come back, repeat the 'RESET' tune install at 3
12. Start vehicle and confirm that everything works as it should; it is now safe to remove any emissions equipment you want to remove.
13. If a transmission tune was purchased, this can be flashed now as well.