

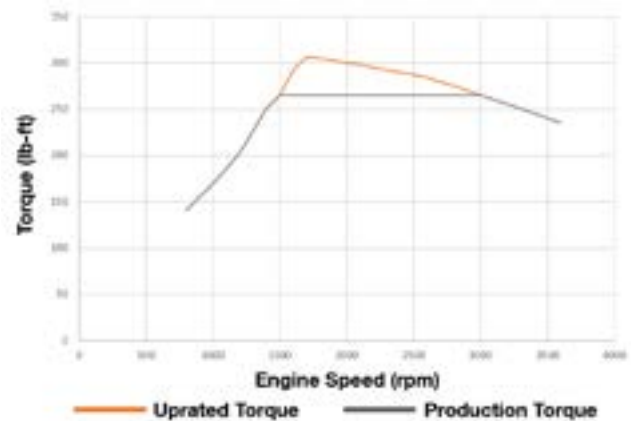


PP1 ECM CALIBRATION

Cummins Repower™ is proud to release the new PP1 ECM calibration for the R2.8 Turbo Diesel crate engine. This calibration provides multiple improvements and features with the most noticeable being a new torque curve with a peak of **310 LB-FT** at 1,800 RPM. This is a free upgrade to all existing R2.8 customers!

Operator Benefits of PP1 Calibration:

- **Transient Response Improvement**
 - Low-end acceleration improvements
- **Throttle Map Updates**
 - Optimized for both off-road and on-highway drive cycles
- **Cold Weather Improvements**
 - New grid-heater controls logic
- **Mass Air Flow-Offset Correction**
 - Auto Calibrate your Mass Airflow Sensor to correct for variations in intake plumbing with no special tools required. This is essential for optimizing your engine performance and can be performed in minutes.



How To Get The New Free Calibration For Your R2.8

To start receiving the benefits of the PP1 calibration we have 3 ways for you to get your ECM recalibrated, which must be taken advantage of between Sept 7th, 2018 and December 31st, 2018:

- 1.) Attend Cummins Cruise** – You can meet up with us at any of our scheduled Cummins Cruise stops and we'll re-flash it on site. From Sept 14th to 20th we'll be visiting 7 different cities throughout the Northwest United States in 7 days. Visit our [Facebook Event Page](#) for details or if you don't have Facebook [RSVP Now](#) to get updates via email.
- 2.) Send your ECM to Cummins** - We'll re-flash it and ship it back, at no cost to you. Simply fill out [THIS FORM](#) and we'll email you a pre-paid FedEx shipping label. Once you get the label remove your ECM, safely secure it in a box, attach the shipping label and take it to your local FedEx location. Once we receive it, we'll flash it and send it back to you. Make sure you take necessary precautions to avoid damage during shipping and please make sure the return shipping label is included in the package.
- 3.) Call and make an appointment** – Use our [Cummins Sales and Service locator](#) to find your nearest Cummins Sales and Service location and call to schedule an appointment. **Please note: Only Cummins owned Sales and Service locations** will be able to provide the calibration. Please use the above link to identify your nearest Cummins Sales and Service location.

QUICK START GUIDE

MAF-Offset Correction Feature

The MAF-Offset Correction Feature allows end users of the R2.8 crate engine to calibrate their MAF (Mass Air Flow) sensor for their specific intake configuration. Thus allowing adjustment for the correct ratio of EGR to Fresh Air for their intake setup. It is still recommended to follow installation guide regarding dimensions and routing for most accurate calibration. The calibration is initiated via the following pedal dance. **Note: Coolant temp must be > 158°F**

To perform calibration:

1. Ensure vehicle is warm, temp >158°F
 - Can be read via Murphy gage
2. Turn vehicle off for 10 seconds
3. Press Accelerator pedal to floor, key vehicle on, hold pedal down for 3 seconds
4. Release Accelerator pedal for 3 seconds
5. Press Accelerator pedal for 5 seconds and start vehicle
 - If engine speed revs up, the process did not initiate properly
 - If engine speed stays at idle, it is in calibration mode
6. Continue holding pedal to floor while engine performs calibration sequence. It will step engine speed up from idle through 3000 rpm and then reduce back to idle
7. Once complete, hold pedal down at idle for 10 seconds, then release
 - Will hear/see engine speed blip
8. Key vehicle off for at least 1 minute to save new calibration