



## INSTALLATION INSTRUCTIONS

### ALUMINUM FRONT MOTOR PLATES

The installation of a Competition Engineering Front Motor Plate eliminates the flexing commonly found in stock style motor mounts. Additional benefits are easier engine removal and installation, the ability to relocate the engine within the chassis for better weight transfer as well as tying the front of the chassis together for better vehicle reaction times. We highly recommend the installation of a Mid-Mount Plate (See the Competition Engineering catalog for applications) and an Engine Travel Limiter (P/N: C4034) to complete your installation.

### INSTALLATION

1. Determine the desired location for the engine. Consult your sanctioning body's rulebook for guidelines and limitations.
2. Level the chassis front to rear and side-to-side. Place the engine in the desired location. Keep in mind that the drivetrain must remain in-phase to eliminate vibrations and parts breakage.
3. We suggest making a template of the plate using the shipping package. Trace the outline of the plate on the cardboard, including the mounting holes, and cut out.
4. Mount the template in place on the front of the engine. Determine where, if necessary the plate will need to be trimmed. Transfer the template modifications to the motor plate and cut out.
5. Mount the modified plate to the face of the block being sure to use gaskets and sealer at the points where water passes through the plate.  
**NOTE:** P/N: C4008 includes tie bars that connect the bottom of the plate to the block.
6. Check the position of the plate in the chassis and secure it using tabs welded to the frame or by bolting it to a structural member of the chassis.