



**COYOTE
SWAP**

FAT FENDER GARAGE

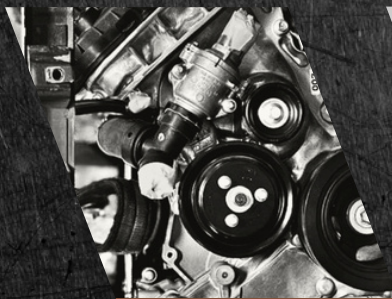
**VEHICLE
CUSTOMISATION SHOP**



INSTRUCTION MANUAL

COYOTE SWAP MOTOR MOUNT KIT

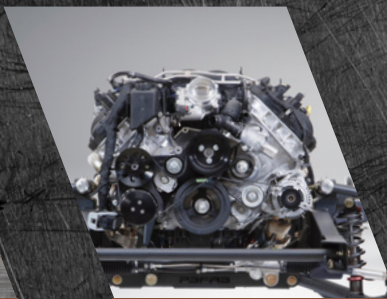
UNIVERSAL



**COYOTE ENGINE
SWAP**



**VEHICLE
RESTORATION**



**PREMIER CLASSIC
TRUCK CHASSIS**



**Contact US
480 - 621 - 6072**



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UNIVERSAL MOTOR MOUNT KIT



FFG INSTALLATION GUIDE



Package Includes:

- Left Perch
- Right Perch
- Left Motor Mount
- Right Motor Mount
- Transmission Crossmember
- Hardware



Step 1: Level

- Start out with your frame set level, left to right, and front to rear.

Step 2: Motor Mounts

- With your motor and transmission on an engine hoist, install the motor mounts to the engine block.

Step 3: Position Motor

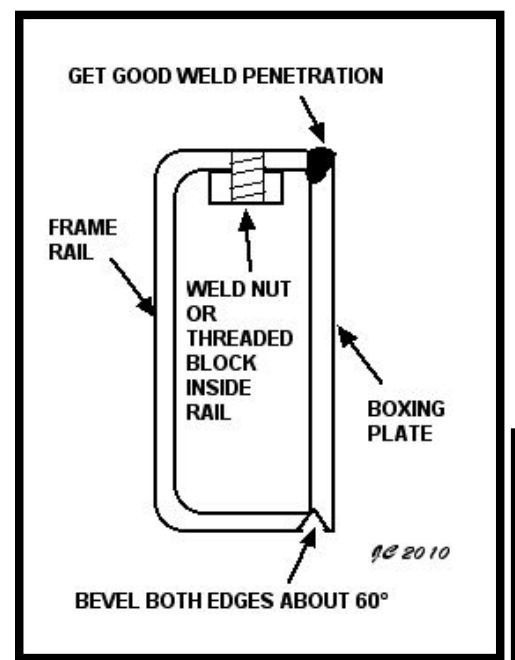
- Next, position the motor in the vehicle chassis.
- Try to keep the motor set as low as possible to avoid firewall or trans tunnel modifications.
- Use an analog or digital angle finder to set the motor at a 3-4 degree angle, front to rear.

Step 4: Take Notes

- Once you have the motor set where you want to install it, note where the motor mount perch will be installed on your frame.
- We recommend boxing your frame with a 1/8" plate to handle the torque and horsepower of the coyote motor.

This cross section of a U-channel shaped rail illustrates where the edges of the rail and boxing plate should be beveled prior to welding.

Weld should penetrate all the way through so that there is still sufficient strength after grinding the edge.



Step 5: Template

- You will need to trim the motor perches to fit. We recommend using cardboard to create a template for where the perches will fit.
- When you are satisfied with the templates fitment, use it to trim the metal perch, making sure to leave a little extra material on the edges.

Step 6: Bolt and Weld

- Bolt the perch to the motor mounts with supplied hardware.
- Confirm the fitment and tack weld them to your frame rails.

Step 7: Grease and Install.

- Grease bushings.
- Install bushings on motor mounts.



Step 8: Install Motor Mounts

- Install motor mounts to the engine.
- Install the drivers side mount using the guide hole on the left edge of the plate.
- the plate is approximately 1" below the oval hole shown in this photo.
- Not the screwdriver used to align the hole with the hole in the factory crossmember.
- Align the bottom of the mount with groove in factory crossmember.



Step 9: Drill Holes

- Use a center punch to mark the holes to be drilled.
- We used a 1/4" drill bit, then a 1/2" drill bit. Its slightly larger than the bolt to allow slight adjustment if needed.

Step 10: Driver Side Mount Plate

- Install driver side mount plate using included hardware.
- Leave loose to allow for adjustments.

Step 11: Pass. Side Mount Plate

- Install passenger side mount plate to the motor using the included hardware.
- It will hang off the motor at this point.

Step 12: Driver Side Mount Plate

- Install motor and transmission into chassis.
- Line up the motor mount bushing with the motor mount perch using the included through bolt.

Step 13: Lining up the Motor

- Lower motor into crossmembers and set the motor mount perch on the crossmember.
- The plate should sit about 3/4" below the factory oval hole, and about 1" behind the front of the crossmember.
- Mark your hole for drilling with a center punch.

Step 14: Drilling Holes

- Remove motor out of the way and drill holes for the motor mount perch.

Step 15: Mount Perches

- Mount perches to crossmember and install motor into the chassis.
- Loosely tighten the hardware to allow adjustment of crossmember installation.



Step 16: Install Crossmember

- Install crossmember to bottom of the transmission using included hardware. Align the crossmember to frame rails and secure with c clamps. drill holes in frame rail for crossmember and bolt to frame.



Step 17: Finish

- Go back and tighten all fasteners securely.



FAT FENDER GARAGE

“ We're always happy to serve you. If you have any suggestions or comments regarding our products and services, please feel free to share them with us. We will be glad to hear from you. We highly value our customers.

-THANK YOU ”



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