

MUSTANG EPAS INSTALL ON CROWN VICTORIA FRONT SUBFRAME

Begin by unpacking all components and making sure no parts are missing. If any parts are missing, please contact sales@range-industries.com and we will remedy the situation ASAP. See list of all parts below:

- 1X Billet 6061-T6 EPAS Mounting Bracket
- 2X Mustang Inner Tie Rods
- 2X M14 x 2.00mm x 80mm Long Flanged Bolt
- 2X M12 x 1.75mm x 35mm Long Flanged Bolt
- 2X M14 x 2.00mm Flanged Nylock Nut



Install Notes:

- Use blue (medium) Loctite or equivalent thread locker on the 2X M12 Bolts

Begin by placing the mustang EPAS rack on a bench and install the 2x inner tie rods to the rack by following the steps below:



1. Slide on rack stop rings
2. Install inner tie rods (provided) onto the rack. Use blue loctite and torque to 89 ft-lbs. Use a wrench to hold the rack side while torquing.
3. Push rack stops onto inner tie rods
4. Install boots and pinch clamps
5. Install jam nuts and outer tie rods from Crown Victoria



For installation there are two options. You can either modify the crown victoria crossmember by removing/notching the lower tabs, or you can leave as is. Removing the lower tabs is not necessary, but does make install and future service easier.

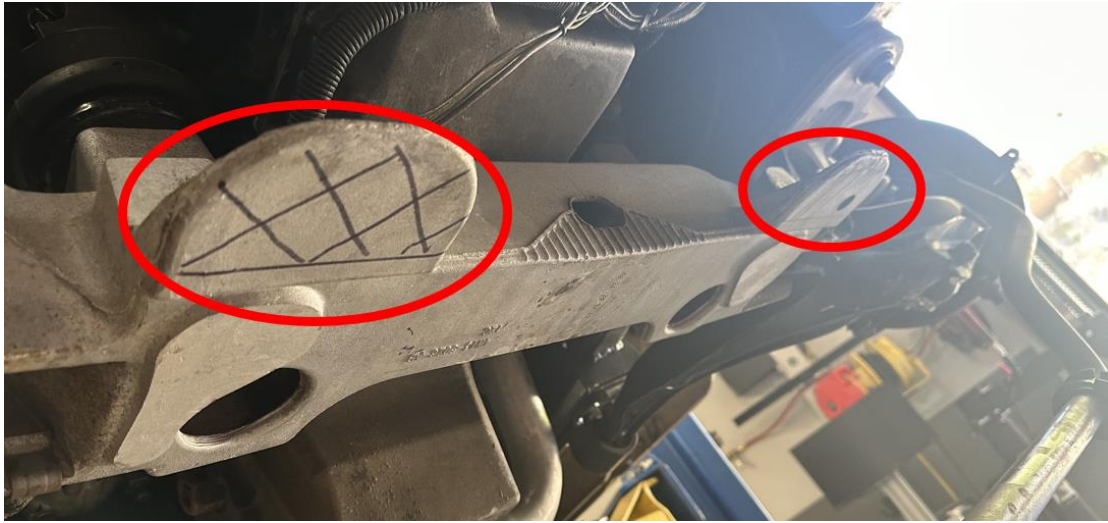
Option 1: No modification to Crown Vic Crossmember

1. Remove the sway bar to make room for installation.
2. Remove the studs that previously mounted the rack using an 8mm 6 point socket.
3. Insert the M14 bolts through the bracket and rack, and lift into place on the vehicle.
4. Hold EPAS rack up (an assistant will be helpful) and install the M12 bolts through the bracket and into the crown victoria crossmember. Use blue loctite and torque to 105 ft-lbs.
5. Install the M14 locknuts on top of the rack, torque to 148 ft-lbs while holding the bolt head with an open end wrench.



Option 2: Removing tabs from Crown Vic Crossmember

1. Remove sway bar and old steering rack studs.
2. Cut off ears on crossmember or notch as appropriate such that the M14 bolts can be inserted upward through the bracket (it may be useful to loosely install the bracket to see where the notching is required).
3. Use M12 bolts to mount bracket to crossmember. Use blue loctite and torque to 105 ft-lbs.
4. Place rack on top of bracket, insert M14 bolts from below (through the clearance cuts made earlier) and install nuts on top. Torque to 148 ft-lbs.



Finish the Install

1. Re-install the sway bar.
2. Attach tie rods to knuckles.
3. Check all joints.
4. Attaching steering shaft (same length as with the crown vic rack!)



Wiring

1. Ask for connector pigtails when buying the rack, or purchase connectors separately (check ebay or ford dealer).
2. Connect ground and power from the big connector through a fuse (OEM is 125 amps). Pin 1 ground, Pin 2 positive. Use 6 ga wire.
3. Connect an ignition wire to pin 1 on the small connector with a 5 amp fuse.

BOLT CHECK

After driving with rack installed for 25 miles, re-check hardware to ensure everything is tight.