66-67 FAIRLANE/COMET BOLT IN 4-LINK KIT

suspension steering brakes

HEXTTK12

PARTS LIST

(1) Upper Crossmember
(1) Lower Crossmember
(2) Upper Links
(2) Lower Links
(2) Bumb Stops
(1) Hardware Pack
(2) Lower Axle Brackets*
(2) Inner Axle Brackets*
(2) Bumb Stop Brackets*
(2) Axle Shock Mounts*

*Welded to housing if purchased with optional housing

Notice: Bars may require shorter length then supplied. Verify the length of the bars necessary for installation, trim to fit, then weld in bungs.

Note: Some type of Anti-Seize compound must be used on threads of ALL stainless hardware.

HARDWARE PACK

(16) ½" USS Flat Washers
(8) ½-13 Nylock Washers
(4) ⅝-11 Nylock Washers
(8) ⅝" SAE Flat Washers
(4) ⅜-16 Nylock Nuts
(2) ½-20 Jam Nuts
(8) ⅝-18 x 2-¾" HHCS, Gr. 5
(8) ⅝-18 Nylock Jam Nuts
(8) ½-13 x 3-½" HHCS, Gr. 8
(4) ½-20 Nylock Jam Nuts
(2) ⅝-11 x 5-½" HHCS, Gr. 5
(4) ½-20 x 1-¾" HHCS, Gr. 8
(2) U-Bolts, 1-¼" x 3" x ⅜-16
(2) ⅝-11 x 6-½" HHCS, Gr. 5
(2) Lower Link Spacers

ASSEMBLY

1 Prep

Support car securely on jack stands. Completely remove old rear end housing, shocks and springs. Cut old bump stop bracekts from the outside of the frame rail and grind the rail smooth. At this time, clean frame rails and under body of grease, dirt and loose rust. See Figure 2.

2 Install Brackets

If you purchased our axle housing with the brackts already installed, proceed to step 5. Although this is listed as a "bolt-in" kit, reuse of existing rear axle assemblies will require welding brackets to the old housing. Remove the old bracketry from the existing housing and prepare the axle tubes for installation of the new brackets. Using Figure 1 as a guide, tack weld all brackets to the axle housing paying particular attention to the 2 degree pinion angle recommendation and keeping the brackets parallel with each other. Once you are completely satisfied with the fit of all components, disassemble and finsish welding.

3 Install front crossmember

Install the front crossmember by slipping the end saddles over the frame rails and locating them up against the step in the body pan (some persuading with a rubber mallet may be necessary). See Figure 3. Once the crossmember is fully seated and square, drill ½" holes through the rails using the bracket holes as a guide. Using supplied ½ x 3-½" bolts, nylock nuts and washers, bolt the crossmember into place.

4 Install upper shock mount crossmember

Install the main upper shock mount crossmember by slipping the end saddles over the frame rails and locating them up against the frame rail brace. See Figure 4. The shock mounts should face the rear of the car (some persuading with a rubber mallet may be necessary). Once the crossmember is fully seated and square, drill ½" holes through the rails using the bracket holes as a guide. Using supplied ½ x 3-½" bolts, nylock nuts and washers, bolt the crossmember into place.

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5 **Install lower links & upper links**

Drill the existing front lower leaf spring holes out to ⅝" diameter. Using provided ⅝ x 7" bolts, spacers and nylock nuts, install the lower (long) links with the adjusters to the rear. Install the spacer to the outward side of the link. See Figure 5. As with the lowers, install the upper (short) links with the adjusters to the rear, using the ⅝ x 2-¾" bolts and nylock jam nuts provided. See Figure 6.

Notice: Bars may require shorter length then supplied. Verify the length of the bars necessary for installation, trim to fit, then weld in bungs.

6 **Assemble rear end housing**

Using jack stands to support the axle tubes, install the rear end housing assembly to the links with ⅝ x 2-¾" bolts and nylock jam nuts. See Figure 6 and 7. Install the bump stops to the brackets on the rear axle housing. Roughly square the rear end in the car at this time.

7 **Install coil over shocks and springs**

Use ⅝ x 2-¾" bolts and nylock jam nuts at the top and ⅝ x 5-½" bolts and nylock nuts at the bottom to install coil over shocks and springs. (Leave the adjuster nuts at the bottom of the range. Ride height will be set after the final assembly with the weight on the car.) See Figure 6.

8 **Optional sway bar**

If you purchased the optional sway bar, install at this time (refer to sway bar instructions).

9 **Wrap it up - final alignment of the rear end**

With everything tight, adjust the wheelbase to center the wheels in the wheel well openings. This can be accomplished with the adjusters on the links. Confirm proper wheelbase and fine tune as needed. Square the rear end in the chassis using the upper links to move the rear end side to side. Recheck that wheels are still centered and tire clearance is consistent left to right after each adjustment. Adjust pinion angle to start at 2 degrees down. Ride height must be set with the weight on the car. Using the adjuster nuts on the coil over shocks, adjust ride height until the lower links are level with the ground. You can fine tune the exact ride height to your liking at this time. Before driving, check tire and wheel clearance with body to be certain that sufficient room is available throughout suspension travel and body roll.

FIGURE 1

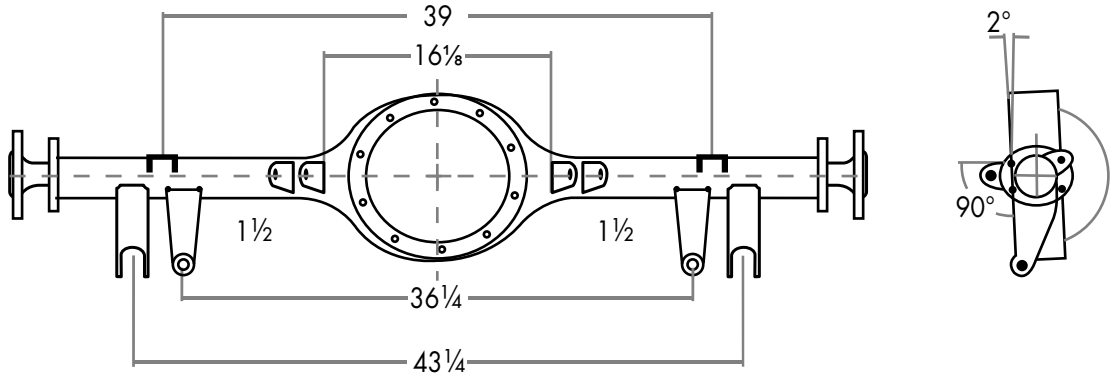

FIGURE 2

FIGURE 3

FIGURE 4

FIGURE 5

FIGURE 6

FIGURE 7

BAR SIZING & MODIFICATION

In some installation cases you may wish to relocate one or more of the mounts to a different location to increase performance, or accommodate other modifications you have made to your vehicle. As such, this kit offers trim to fit bars. Please follow the steps below to ensure proper fitment for your vehicle.

1.)Measure neededd length

2.) Cut bar xx shorter

3.) Weld end into bar