

'37 - '39 TCI Chevy Rear 4-Link Kit

Installation Instructions

1-800-984-6259

www.totalcostinvolved.com

Read and understand these instructions before starting any work! SUPPORT VEHICLE WITH JACK STANDS BEFORE DOING ANY WORK!
INSTALLATION IS FOR DRIVER SIDE. REPEAT FOR PASSANGER SIDE
Welding should be done by a qualified welder!

1. Start by raising the car and supporting it with jack stands. Remove old suspension components (**Shock, Rear-end, Leaf spring etc.**). Next, remove the old shackle brackets located towards the rear of the frame.
2. We will start by installing the driver's side front 4-Link Bracket (**Part stamped "L"**). When removing the front mount hanger of the rear leaf-spring, make sure to mark the two front existing rivet holes, as these holes will be used to locate the TCI front 4-Link bracket. (**Fig. 1**). With the supplied fasteners bolt the front 4-Link bracket into place using the two middle slotted holes making sure that the bracket is pushed all the way forward towards the front of the car (**Fig. 2**). When mounted correctly the 4-Link bars will be mounted inboard of the frame. Next, you will need to drill 4 additional 3/8" holes. (**Clamping the bracket to the frame will make the drilling easier**)
 - Note: After drilling each hole, insert another bolt and tighten it to the specified torque. This will help align the bracket. Finish by tightening all hardware to the specified torque (**see note below**).
3. Before installing the rear TCI Upper Airbag & Shock Bracket you must first remove the two rivets holding the stock bump stop (**Fig. 3**). Also remove the body-mounting bolt that is located just behind the bump-stop bracket. This body mount hole will be used to locate the TCI Upper Airbag & Shock Bracket (**Fig. 4**). Next, install the TCI Upper Air-Bag & Shock Bracket using the new body-mounting bolt supplied with the kit (**3/8"-16 X 5 1/2"**). Tighten the bracket in place making sure that bracket is located in the middle of the frame rail and that the Upper Shock Bracket is mounted inboard putting the Bump-Stop toward the front of the vehicle. After bolting the bracket into place you will need to drill 4 additional 3/8" holes (**clamping the bracket to the frame will make the drilling easier**).
 - Note: After drilling each hole, insert bolt (**3/8"-16 X 1"**) and tighten it to the specified torque (**see note below**). This will help align the bracket. Follow this procedure for the remaining holes.
4. Continue installation on the passenger side. Once the installation of the brackets is complete measure the following:
 - TCI Front 4-Link bracket Center to Center: 35 1/2"
 - TCI Upper Air-Bag Center to Center: 42"

- If you are using your old rear-end TCI will provide you with the lower TCI Air Bag & 4-Link bracket. Center to Center: 35 1/2". Make sure that the lower air bag is mounted outboard of the 4-link bracket.
 - Rear-end pinion angle: 0°
(Reference from the face of the lower shock mount)
5. Next install the 90° fitting (**1/4" NPT to -4 AN**) to the air bag. Making sure to apply some type of pipe sealant to the 1/4" NPT side. Be sure to clock the fitting to the middle and away from the two mounting points.
 6. Next, mount the rear 4-bars to the frame bracket. Supporting the rear end on a jack or jack stands attach the other end of the bar to the rear end.
 7. With the air bag mounted to the top bracket, the fitting on the air bag must be pointed towards the inside of the frame rail. Fasten the lower part of the air bag to the rear end, make sure not to over extend or over-tighten the airbag. With the supplied (**3/8" -16 X 3/4"**) bolt tighten it to the specified torque (**see note below**)
 8. Once the air bag is mounted we can begin to install the shock. Start by bolting (**5/8"-18 X 3"**) the shock to the TCI Upper Air-Bag & Shock Bracket. Next, mount the lower shock (**5/8"-18 X 5"**) with the spacer (**3/4" long**) to the rear end using the center mounting hole position.

TORQUE CHART:

3/8"-16	30 lb.ft
5/8"-18	140 lb.ft
Air Bag Hex Bolt	15 lb.ft

'37 - '39 Chevy Air Bag / 4-Link Kit:

Component:	Qty.	Description
TCI Front 4-Link Bracket	1 pr. (L & R)	
Includes:	12	3/8"-16 X 1" NC Hex Bolt
	12	3/8" Flat Washer (Bracket Side)
	12	3/8"-16 Full Height Nyloc
TCI Upper Air Bag & Shock Bracket	1 pr. (L & R)	
Includes:	8	3/8"-16 X 1" NC Hex Bolt
	2	3/8"-16 X 5 1/2" NC Hex Bolt (Body Mount)
	12	3/8" Flat Washer (Bracket Side)
	10	3/8"-16 Full Height Nyloc
	2	Rubber Bump Stops (Long)
		Cut threads to 5/8" long (Upper Air Bag Mount)
	2	5/8"-18 X 2 1/2" NF Hex Bolt (Upper Shock Mount)
	4	5/8" Flat Washer (Upper Shock Mount)
	2	5/8"-18 Half Height Nyloc (Upper Shock Mount)
	2	90° Fitting 1/4NPT to -4 (Air Bag)
	6	3/8"-16 X 3/4" NC Hex Bolt (Air Bag)
	6	3/8" Lock Washer (Air Bag)
TCI Air Bag & 4-Link Axle Bracket	1 pr. (L & R)	
Includes:	2	3/4" Long Spacer 5/8 Hole (Lower Shock Mount)
	2	5/8"-18 X 5 NF Hex Bolt (Lower Shock Mount)
	4	5/8" Flat Washer (Lower Shock Mount)
	2	5/8"-18 Full Height Nyloc (Lower Shock Mount)

'37 - '39 Chevy Air Bag / 4-Link Kit (Cont.)

Component:	Qty.	Description
TCI Rear 4-Bar	4	19 3/8" Bar Length
Includes:	4	3/ 4"-16 R.H. Adjusters <small>(Frame Side)</small>
	4	3/ 4"-16 R.H. Jam Nut <small>(For Adjuster)</small>
	16	Rear 4-Link Polyurethane Bushing
	8	5/8" Rear 4-Link Bushing Sleeve
	6	5/8"-18 X 3" NF Hex Bolt
	6	5/8"-18 Full Height Nyloc
	12	5/8" Flat Washer
TCI Rear Track Bar Kit	1	34" Bar (L & R)
Includes:	1	5/8" R.H. Rod End <small>(With 1/2" Reducer Sleeve)</small>
	1	5/8" L.H. Rod End <small>(With 1/2" Reducer Sleeve)</small>
	1	5/8" R.H. Jam Nut
	1	5/8" R.H. Jam Nut
	2	Clevis
	2	5/8"-18 X 3" NF Hex Bolt
	2	5/8" Flat Washer
	2	1/2"-20 X 2" Button Head Bolt
	2	1/2" Full Height Nyloc
TCI All-American Rear Shock	1 pr.	

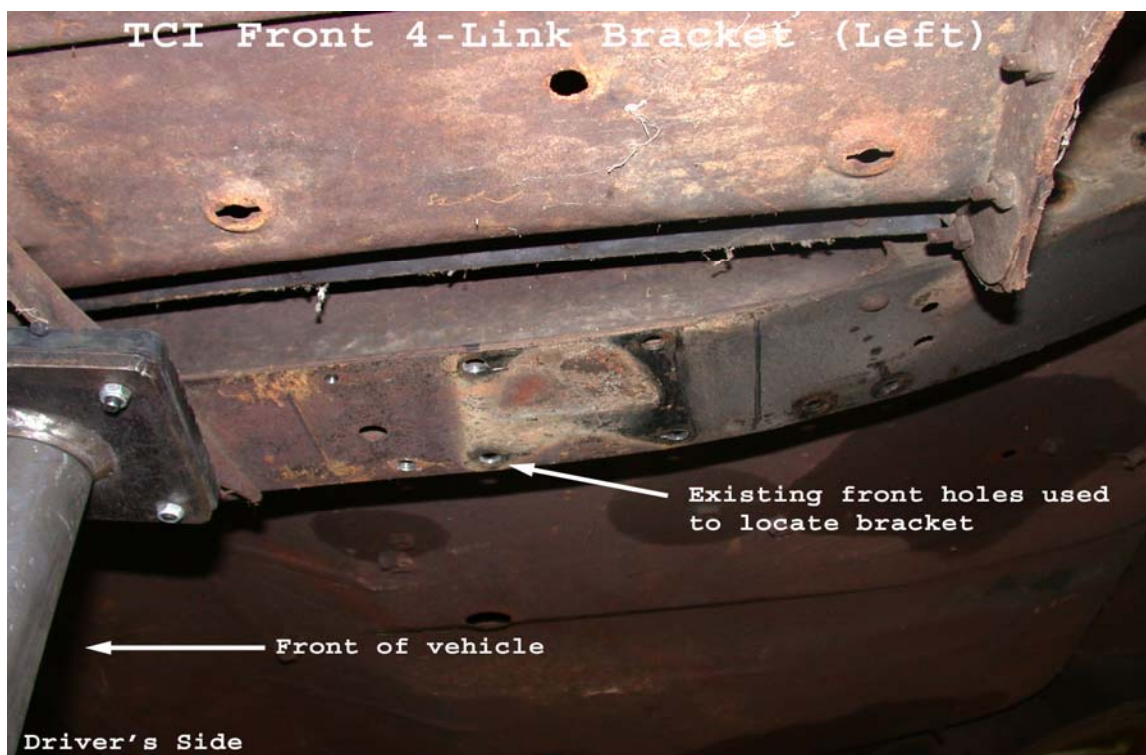


Figure 1



Figure 2

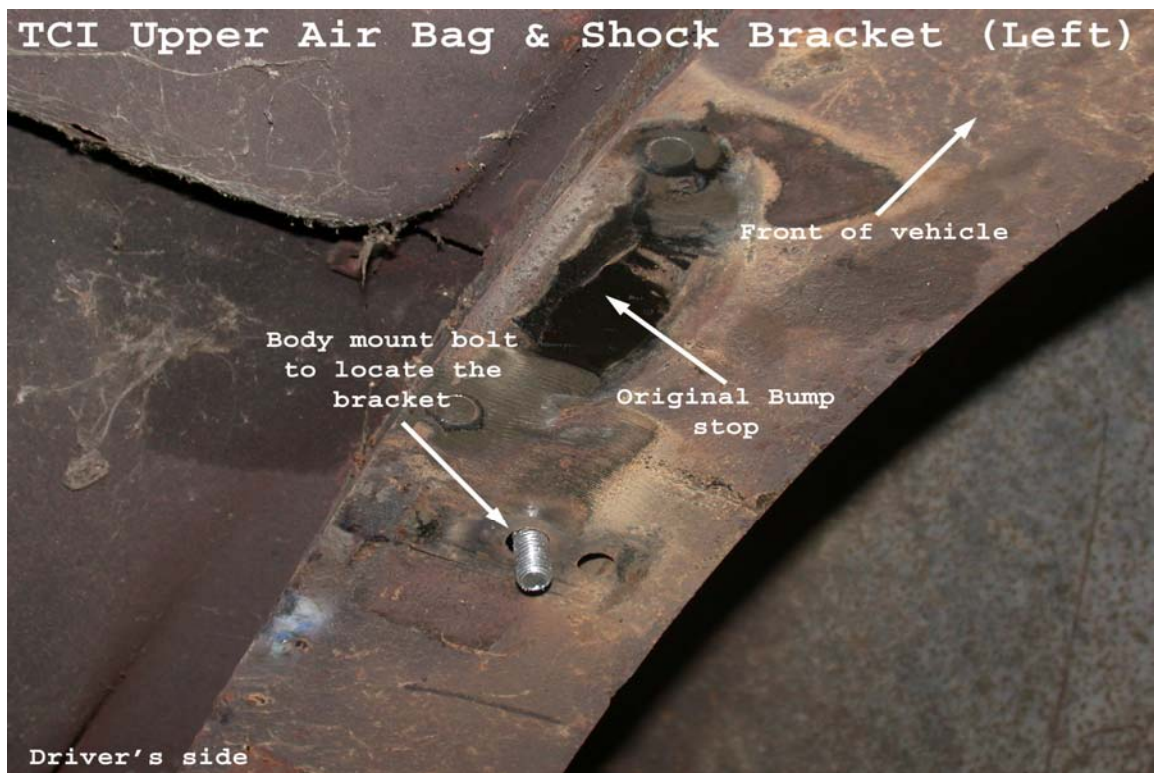


Figure 3



Figure 4