

Installation Instructions

STRUT REMOVAL TOOL

FRONT STRUT REMOVAL & RE-INSTALLATION PROCEDURES

FORD TAURUS FORD WINDSTAR MERCURY SABLE

REMOVAL PROCEDURE:

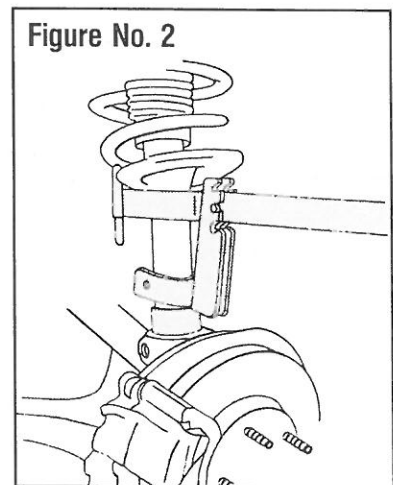
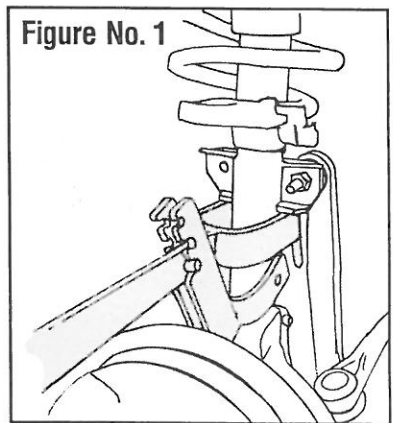
1. Raise vehicle by subframe so suspension hangs freely. Support safely.
2. Remove tire, ABS wire bracket, brake hose bracket at both strut and frame, tie rod end and sway bar bracket at strut (Use 8mm socket and 18mm box wrench to keep sway bar stud from spinning.)

3. FOR TAURUS/SABLE THROUGH 1995

Remove the pinch bolt from the knuckle. Place the base of the fulcrum around the strut body against the knuckle. Install the lever into the lowest notch of the base with the short tabs facing up under the two side ears on the strut. (see figure No. 1) Push down on the handle. As you push the knuckle downward, move lever handle toward the car door (rearward). This causes the knuckle to roll off the bottom of the strut. Move the lever up one or two notches in the fulcrum if required.

3. FOR LATE TAURUS/SABLE/WINDSTAR

Remove the nut and pinch bolt from the knuckle. Place the short collar on the knuckle. Place the fulcrum on top of the collar. Install the lever in the middle notch of the fulcrum with the long tabs facing up behind the lower spring plate. (see figure No. 2) Push down on the handle until the knuckle moves down about 3 inches. Remove lever & fulcrum as an assembly. Remove the collar from the strut. Reinstall lever & fulcrum as an assembly directly on top of the knuckle. Place the round crossbar on top of the lever underneath the sway bar bracket on the inside of the strut. (see figure No. 3) While pushing down on the lever, move lever handle toward the car door (rearward). This causes the knuckle to roll off the bottom of the strut.



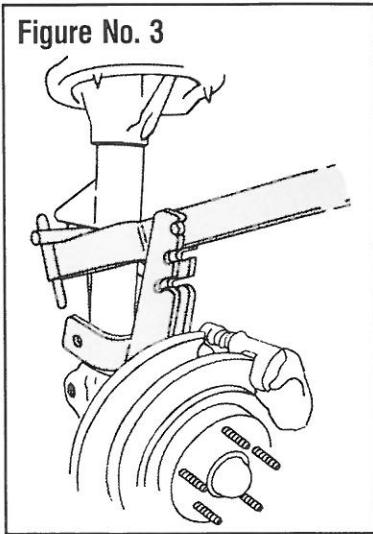
REINSTALLATION:

4. Rotate the strut about 30° toward the "toe-out" direction. Do the same with the knuckle. Roll the knuckle onto the base of the strut.
5. Insert a round prybar into the pinch bolt hole and rotate the knuckle to the proper angle to go onto the strut. (see figure No. 4) Check the alignment of the tab on the strut to the split in the knuckle. If necessary, insert the round prybar into the sway bar hole on the strut and rotate the strut to align the tab. (see figure No. 5)
6. Using a small bottle jack or screw-type jack stand, push the knuckle onto the strut until the pinch bolt can be installed. Apply Loctite to the threads, install and torque the pinch bolt to 85 ft. lbs. (115 N.m). Reinstall parts removed in step No. 2.
7. Repeat steps on other side of the vehicle as required.

REAR STRUT REMOVAL & RE-INSTALLATION PROCEDURES

FORD TAURUS MERCURY SABLE

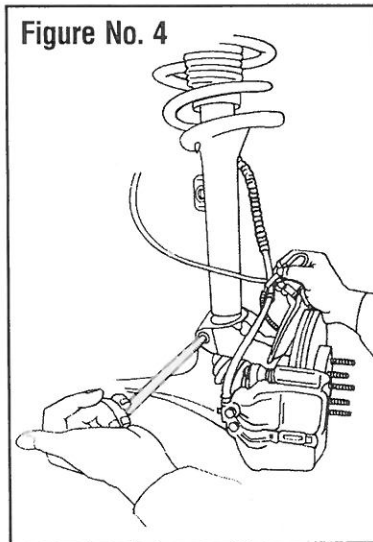
Figure No. 3



REMOVAL PROCEDURE:

1. Raise rear of vehicle by subframe so suspension hangs freely. Support safely.
2. Remove tire, lower hardware from both sway bar links, brake hose bolts (at strut and frame), and strut pinch bolt. Carefully re-position the brake line away from the strut to gain clearance for the tool if required
3. Install the tall split collar around the tab at the base of the strut with the split facing UP. Place the base of the fulcrum on top of the collar. Install the lever into the middle notch of the fulcrum with the long tabs facing up. Hook these tabs behind the lower spring plate. (see figure No. 6.)
4. Push down on the handle until the knuckle moves down about 1". Remove the tool and the collar. Place the fulcrum directly on the knuckle, install the lever into the middle notch with the short tabs facing up. Place the round crossbar across the top of the lever under the sway bar bracket on the strut. (see figure No. 7)

Figure No. 4



5. Push down on the handle until knuckle is off the strut.
6. Remove top strut hardware through interior of vehicle.

REINSTALLATION:

7. Reinstall strut through interior of vehicle.
8. Position knuckle onto bottom of the strut. Check alignment of the strut tab to the split in the knuckle. Adjust knuckle as required.
9. Using a small bottle jack or screw-type jack stand, push the knuckle onto the strut until the pinch bolt can be installed. Apply Loctite to the threads, install and torque the pinch bolt to 59 ft. lbs. (80 N.m). Reinstall parts removed in step No. 2.
10. Repeat steps on the other side of the vehicle as required.

Figure No. 5

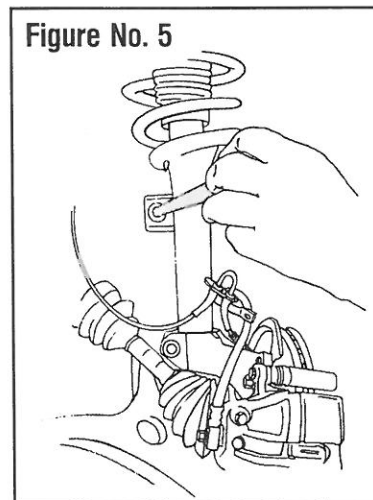


Figure No. 6

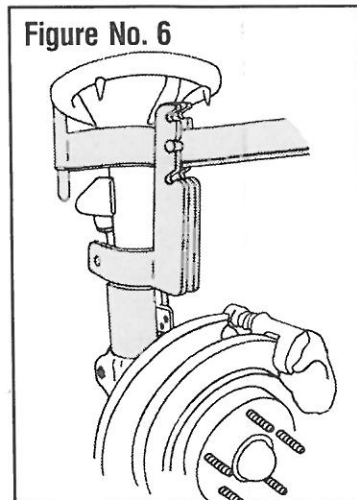
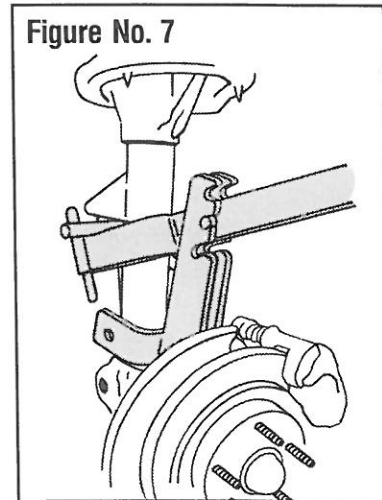


Figure No. 7



Installation Instructions

STRUT REMOVAL TOOL

FRONT STRUT REMOVAL & RE-INSTALLATION PROCEDURES

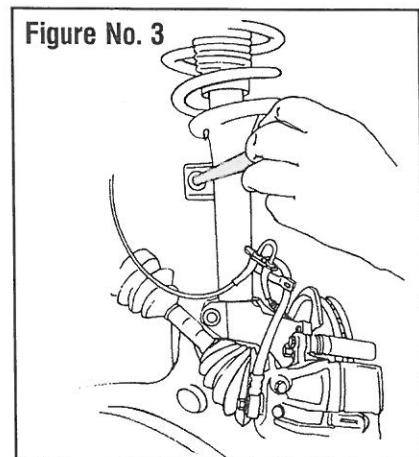
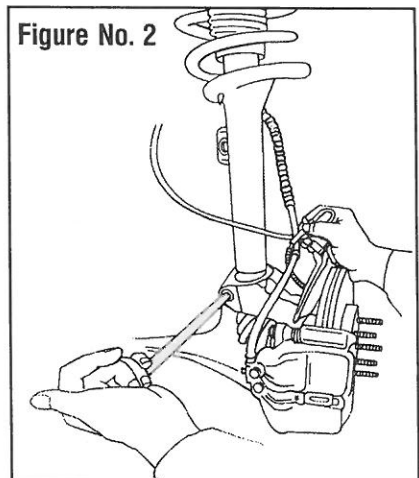
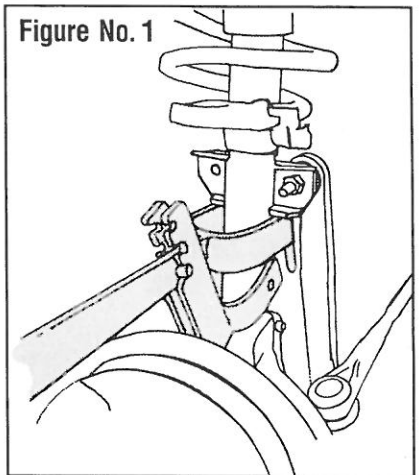
FORD CONTOUR MERCURY MYSTIQUE MERCURY COUGAR

REMOVAL PROCEDURE:

1. Raise front of vehicle by subframe so suspension hangs freely. Support safely.
2. Remove tire, ABS wire bracket, tie rod end, and sway bar bracket (at strut) (use 15mm open-end wrench on sway bar stud to keep it from spinning.)
3. Remove pinch bolt from the knuckle. Place the fulcrum against the knuckle at the base of the strut. Install the lever in the bottom notch with the long tabs facing up under the two side brackets on the strut. (See figure No.1)
4. Push down on the handle until the knuckle is off the bottom of the strut. Move the lever up one or two notches in the fulcrum as required.

REINSTALLATION:

5. Using a large prybar, pry down on the lower control arm until the strut can be inserted into the knuckle.
6. Insert a round prybar in the pinch bolt hole in the knuckle to rotate the knuckle to the proper angle to go onto the strut. (see figure No. 2) Check alignment of the strut tab to the split in the knuckle, adjust as required by inserting a round prybar into one of the two holes in the side tabs of the strut and rotate the strut. (see figure No. 3)
7. Using a small bottle jack or screw-type stand, push the knuckle onto the strut until the pinch bolt can be installed. Apply Loctite to the threads, install and torque the pinch bolt to 40 ft. lbs. (54 N.m). Reinstall parts removed in step No. 2.
8. Repeat steps on the other side of the vehicle as required.

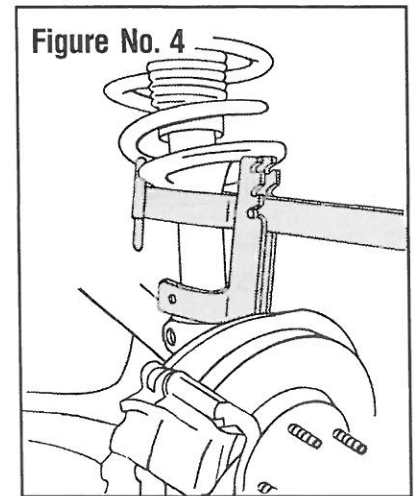


REAR STRUT REMOVAL & RE-INSTALLATION PROCEDURES

FORD CONTOUR MERCURY MYSTIQUE MERCURY COUGAR

REMOVAL PROCEDURE:

1. Raise rear of vehicle by subframe so suspension hangs freely. Support safely.
2. Remove tire, ABS wire bracket, brake hose clip (at strut), and sway bar link bolt.
3. Remove the pinch bolt from the knuckle. Place the fulcrum against the knuckle at the base of the strut. Install the lever in the bottom notch with the long tabs facing up under the lower spring seat. (see figure No.4)
4. Push down on handle until the knuckle is off the bottom of the strut. Move the lever up one or two notches in the fulcrum as required.
5. On the side being worked on, remove the two bolts holding the suspension crossmember to the body.
6. From under the fender remove 2 bolts holding top plate of strut. Remove strut from vehicle.



REINSTALLATION:

7. Install 2 bolts through top strut plate to body, torque to 20 ft. lbs. (37 N.m).
8. Position the knuckle onto the bottom of the strut. It may be necessary to loosen three bolts from the knuckle to align it to the strut, two at the lateral links and one at the trailing link. Check bottom strut tab for proper alignment to the split in the knuckle, adjust as required.
9. Using a small bottle jack or a screw-type jack stand, push the knuckle onto the strut until the pinchbolt can be installed. It may be necessary to use the round crossbar on top of the jack or stand to push equally on the front and rear bottom ears of the knuckle.
10. Install and torque suspension crossmember bolts to 92 ft. lbs. (125 N.m).
11. Apply Loctite to the threads of the pinch bolt, install and torque to 62 ft. lbs. (84 N.m). Reinstall parts removed in step No. 2, use a tie-wrap on the ABS wire bracket if equipped. Leave sway bar bolt loose until next step.
12. Lower vehicle to normal ride height and torque the three bolts loosened in step No. 8 to 66 ft. lbs. (90 N.m) and torque the sway bar bolt to 25 ft. lbs. (35 N.m).
13. Repeat steps on the other side of the vehicle as required.