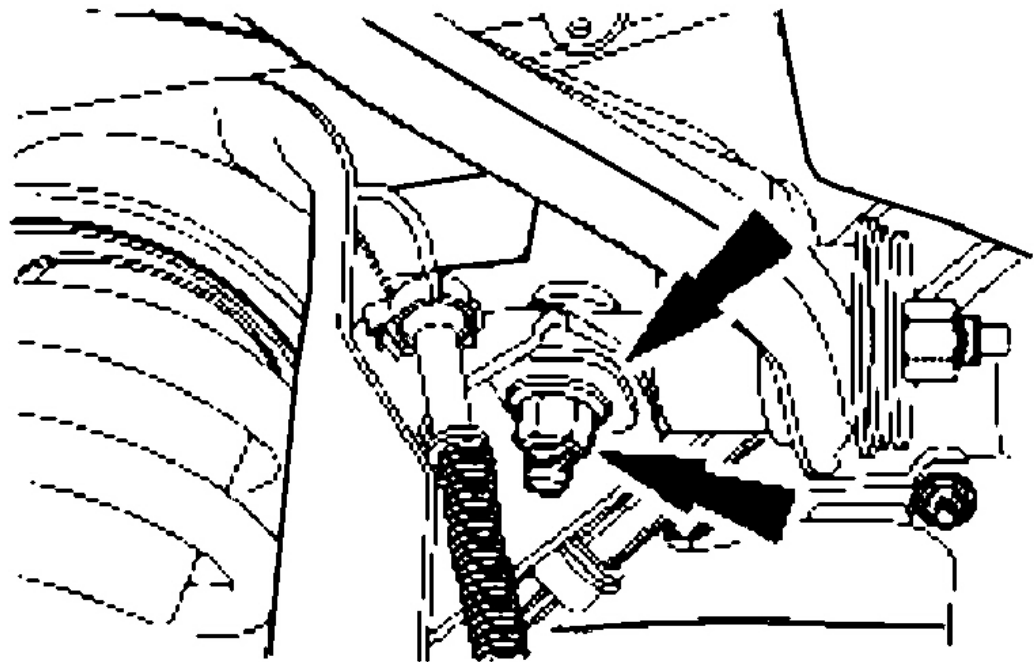


GENERAL PROCEDURES

WHEEL ALIGNMENT

Front Camber and Caster Adjustment

NOTE: The upper arm-to-frame mounting bolts have set shims that must be replaced with washers (W-705040-S900) to allow for adjustment of the arm in the frame slot. The vehicle should be supported by the lower arm to ease movement of the upper arm in the slot.



G03180143

Fig. 17: Installing Washers And Nuts
Courtesy of FORD MOTOR CO.

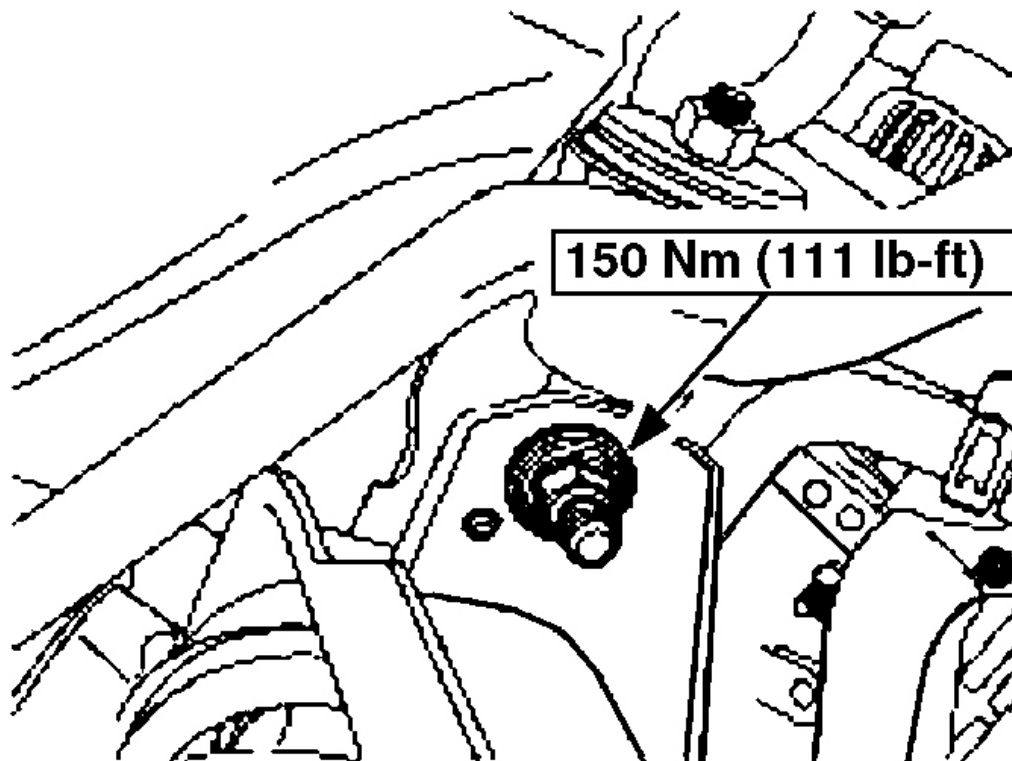
- 1. Remove the nuts and the shims.
 - Discard the nuts and shims.
 - Install new washers (W-705040-S900) and nuts and snug the nuts.
- 2. To adjust the caster and camber, refer to the following chart.
 - Make adjustments that require moving the front and the rear of the upper arm equally.

CASTER AND CAMBER ADJUSTMENT CHART

Adjustment	Front of Upper Arm	Rear of Upper Arm
Increase caster	Out	In

Decrease caster	In	Out
Increase camber	Out	Out
Decrease camber	In	In
Increase caster and camber simultaneously	Out	-
Decrease caster and camber simultaneously	In	-

3. Tighten the nuts.

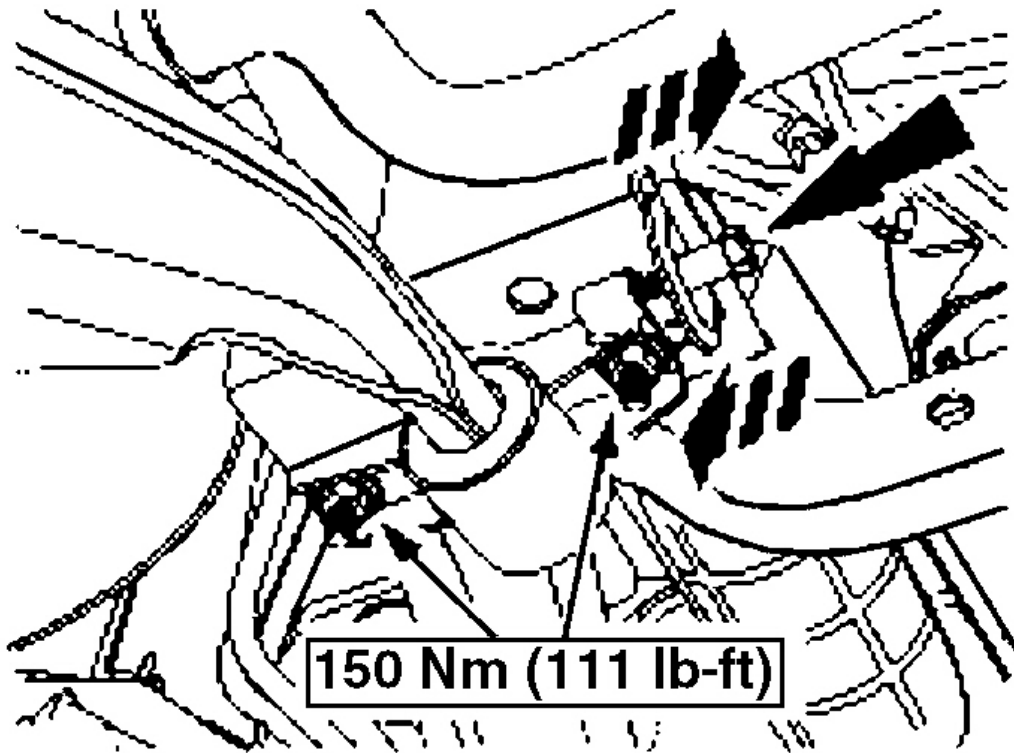


G03180144

Fig. 18: Tightening Nuts

Courtesy of FORD MOTOR CO.

NOTE: A caster split adjustment can be made by turning an adjustment bolt located on the RF lower arm rearward frame mounting.



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Fig. 19: Adjusting Bolt Clockwise To Decrease RH Caster Or Counterclockwise To Increase RH Caster

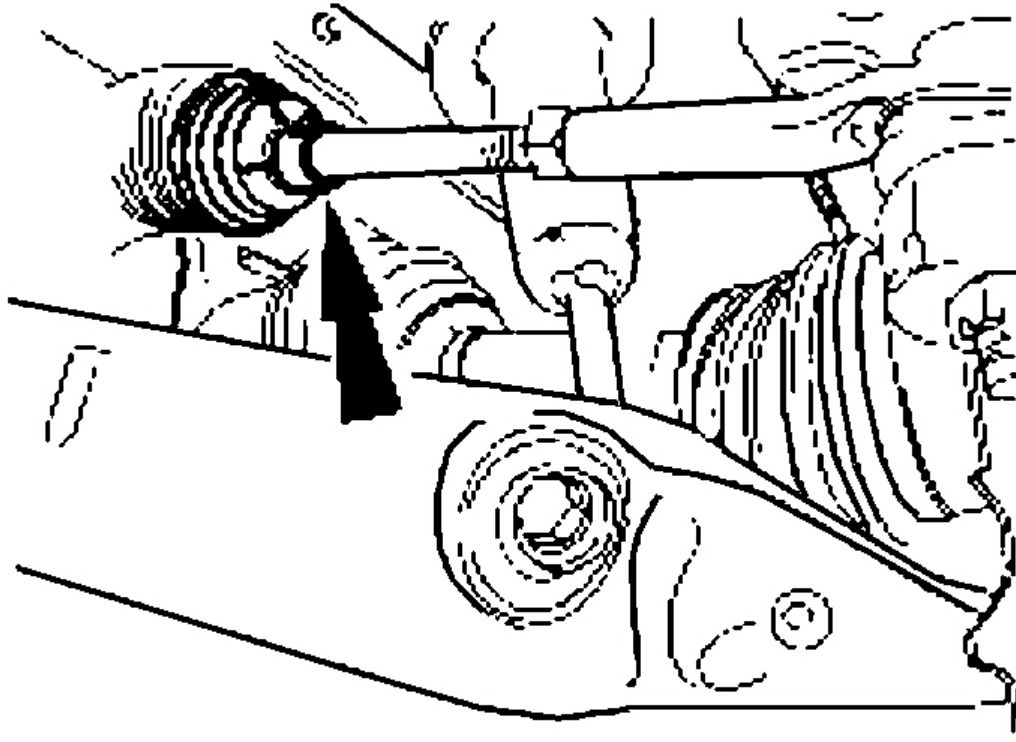
Courtesy of FORD MOTOR CO.

4. Loosen the nuts and adjust the bolt clockwise to decrease the RH caster or counterclockwise to increase the RH caster.
5. Check and, if necessary, adjust the front toe.

Front Toe Adjustment

1. Start the engine and center the steering wheel.
2. Turn the engine off, and hold the steering wheel in the "straight ahead" position using a suitable holding device.

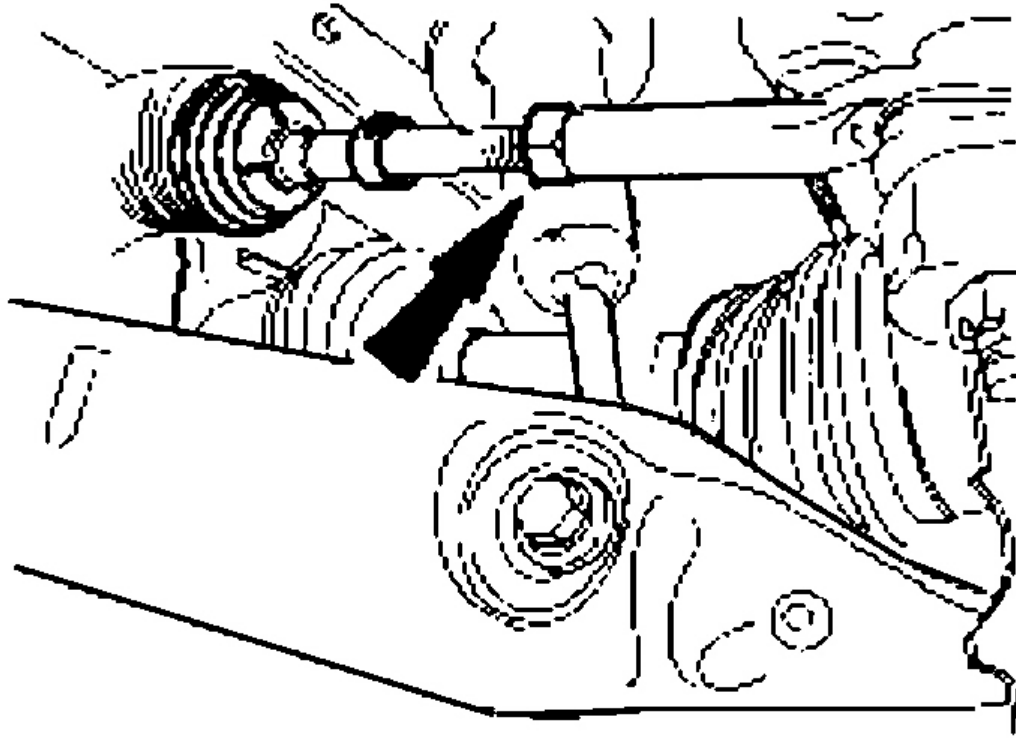
NOTE: Do not allow the steering gear bellows to twist when the front wheel spindle tie-rod (3280) is rotated.



G03180146

Fig. 20: Removing Clamps
Courtesy of FORD MOTOR CO.

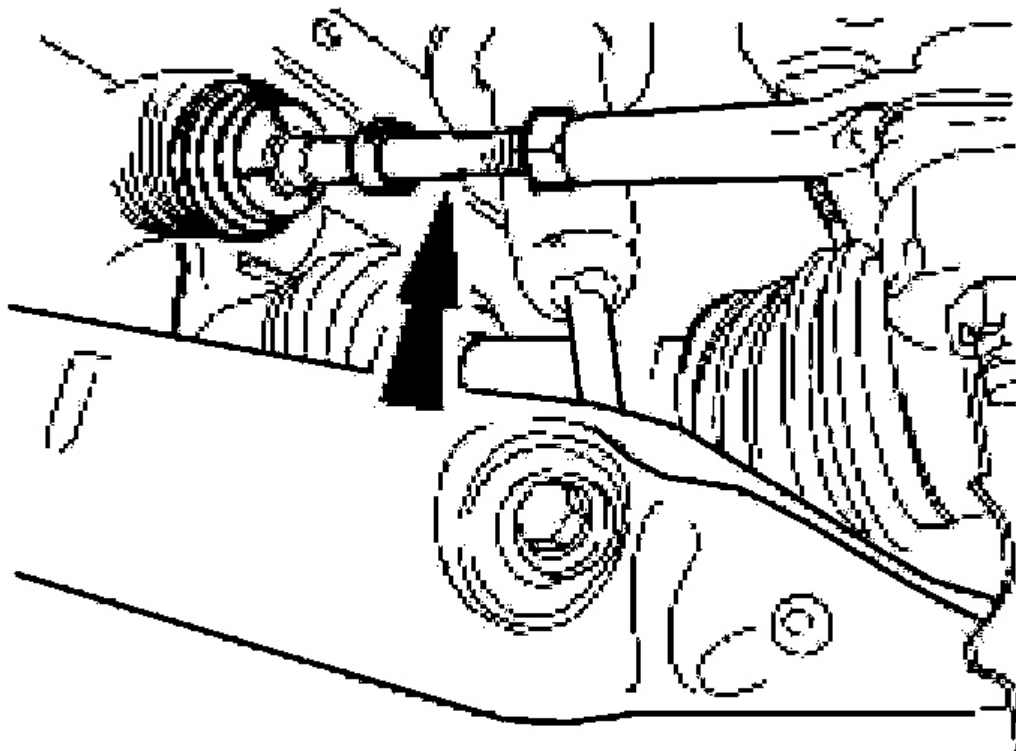
3. Remove the clamps.
4. Loosen the nuts.
 - Clean and lubricate the nut(s) and front wheel spindle tie-rod threads.



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Fig. 21: Loosening Nuts
Courtesy of FORD MOTOR CO.

5. Rotate the front wheel spindle tie-rods.



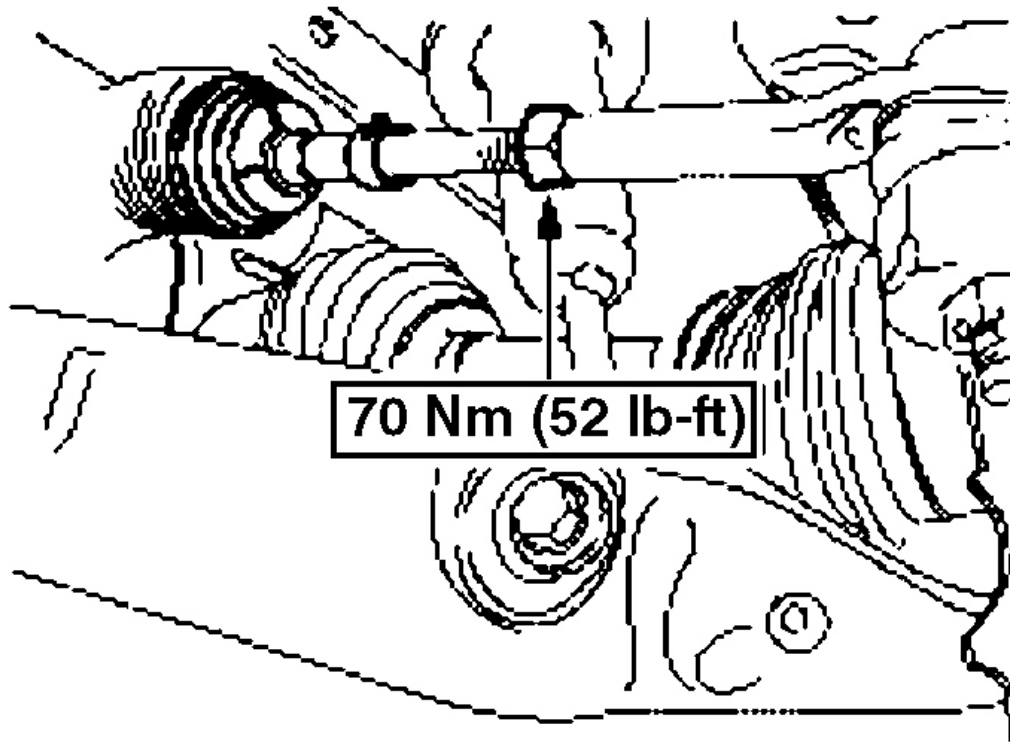
G03180148

Fig. 22: Rotating Front Wheel Spindle Tie-Rods
Courtesy of FORD MOTOR CO.

6. Start the engine and recenter the steering wheel.
 - Recheck the toe settings and adjust if necessary.

CAUTION: Make sure to hold the tie-rod end stationary with a wrench while tightening the nut or damage to the boot can occur.

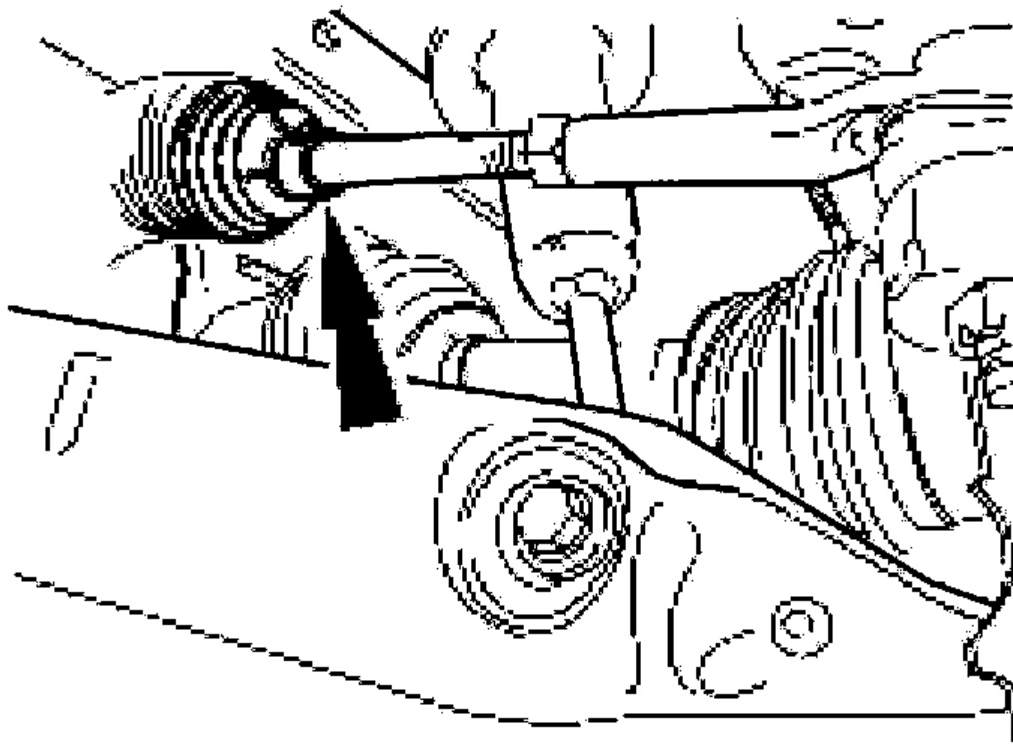
NOTE: Make sure that the toe settings are not disturbed while tightening the nuts.



G03180149

Fig. 23: Tightening Nuts
Courtesy of FORD MOTOR CO.

7. Tighten the nuts.
8. Install the clamps.

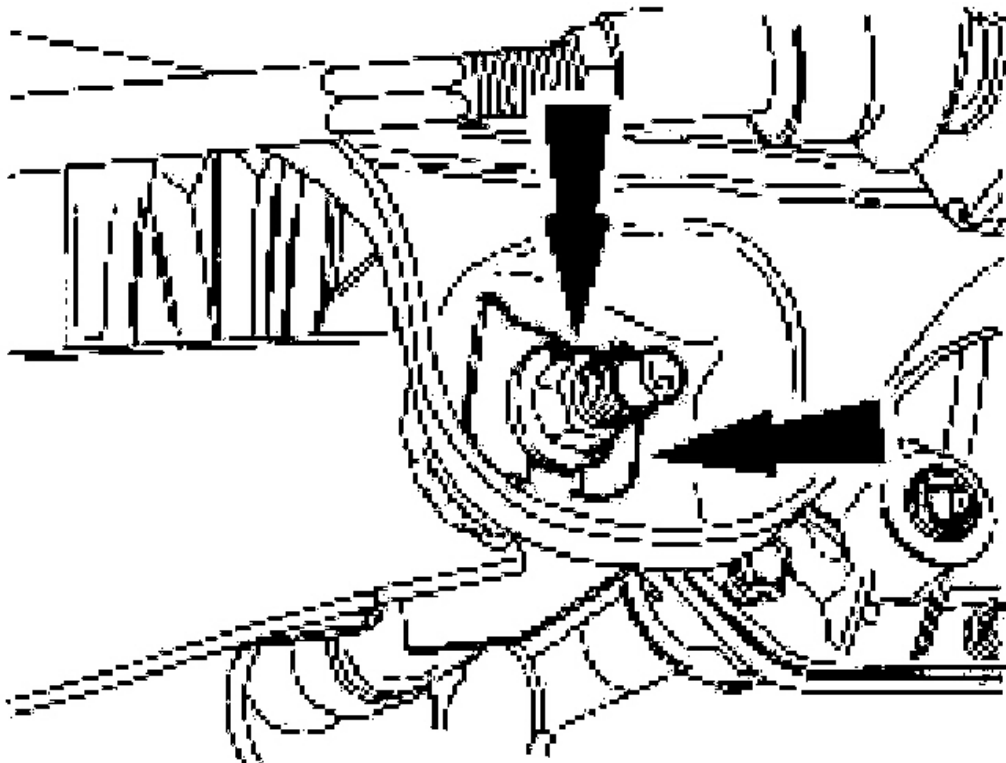


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Fig. 24: Installing Clamps
Courtesy of FORD MOTOR CO.

Rear Camber Adjustment

NOTE: The lower arm rearward mounting bolt has a set shim that must be removed and replaced with a washer (W-705040-S900) to allow for the adjustment of the arm in the frame slot.

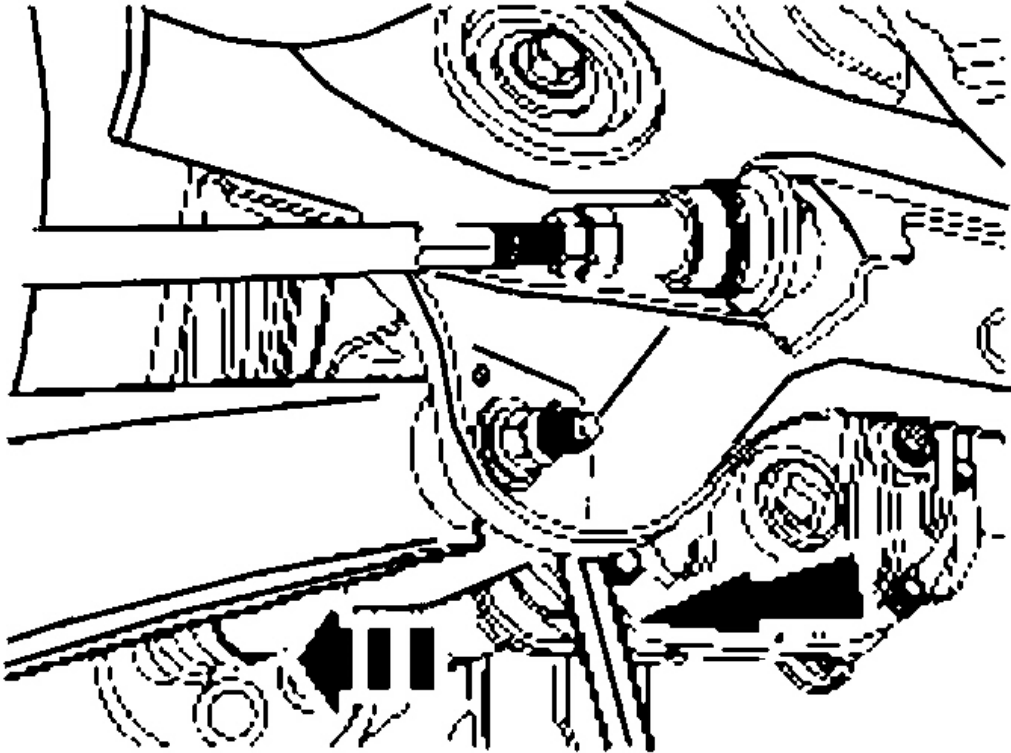


G03180151

Fig. 25: Installing Washer And Nut
Courtesy of FORD MOTOR CO.

1. Remove the nut and the set shim.
 - Discard the nut and set shim.
 - Install the washer (W-705040-S900) and the nut and snug the nut.

NOTE: **A prybar may be used between the lower arm and the frame pocket to aid in moving the arm outward.**

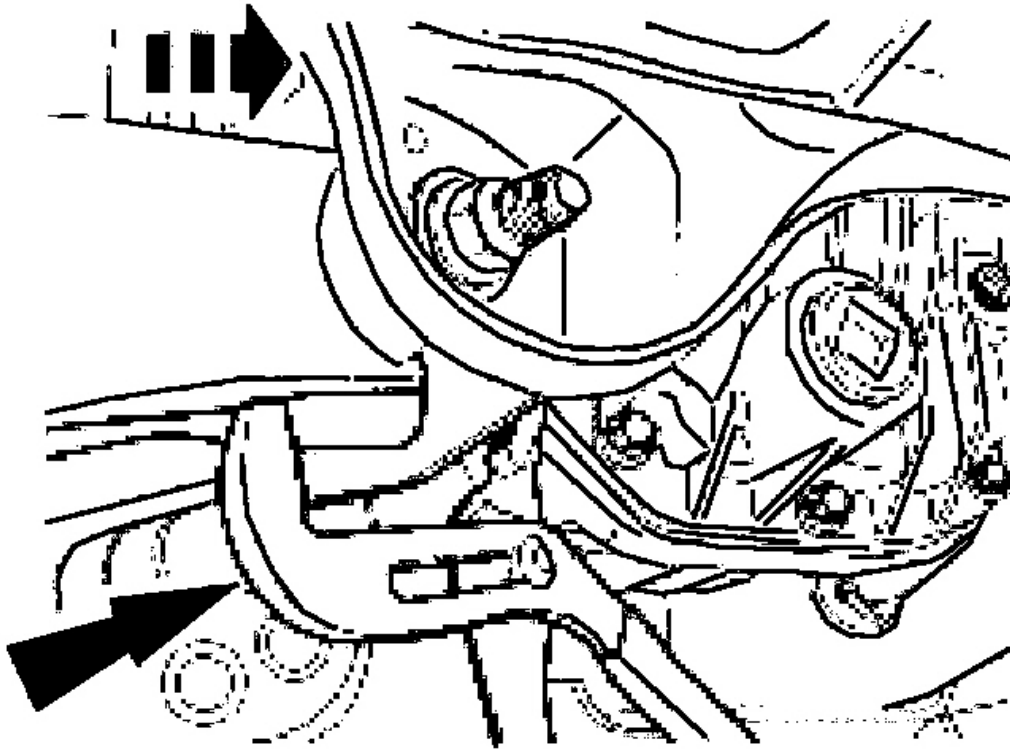


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Fig. 26: Moving Lower Arm Outward To Decrease Camber
Courtesy of FORD MOTOR CO.

2. To decrease the camber, move the lower arm outward.

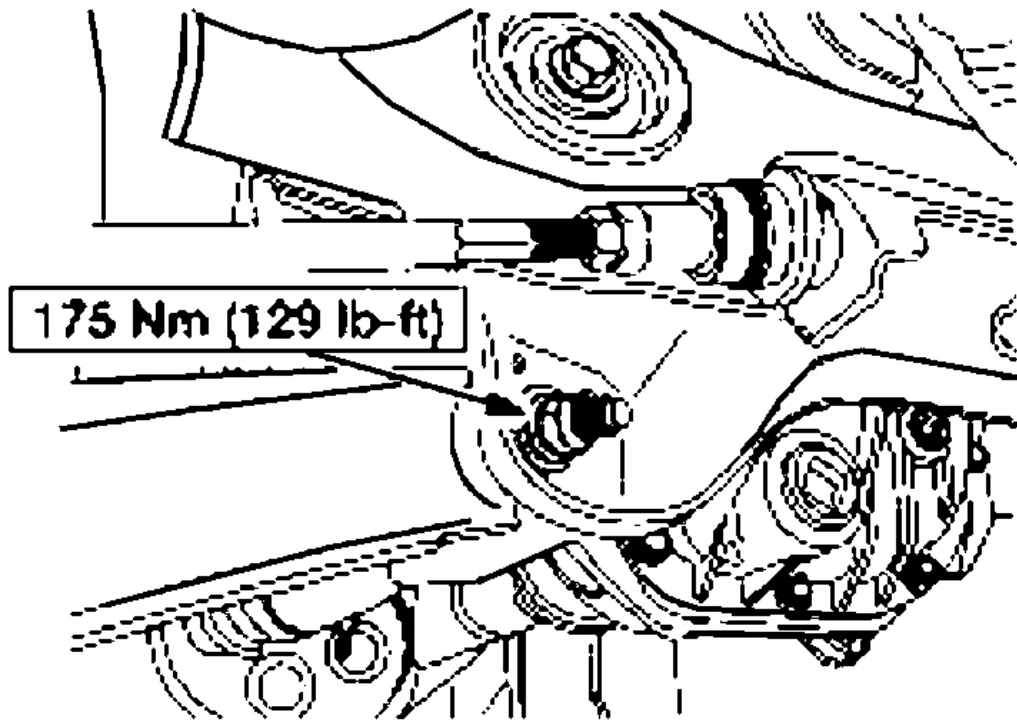
NOTE: Adjustable pliers may be used to aid in moving the arm inward.



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Fig. 27: Moving Lower Arm Inward To Increase Camber
Courtesy of FORD MOTOR CO.

3. To increase the camber, move the lower arm inward.
4. Tighten the nut.



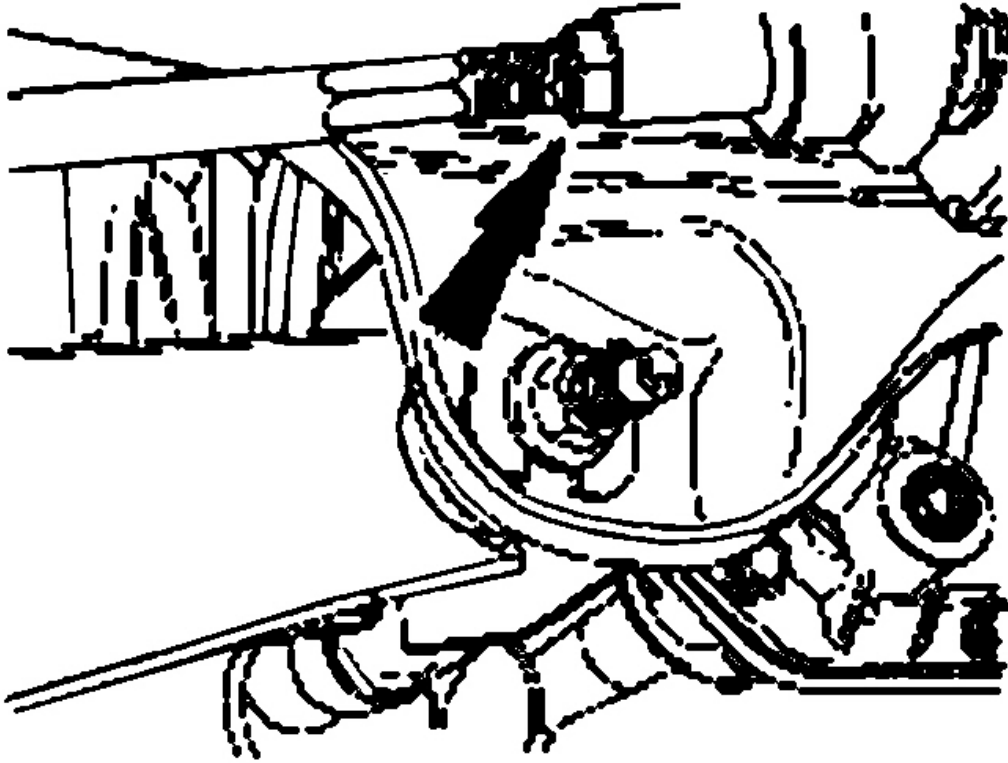
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Fig. 28: Tightening Nut
Courtesy of FORD MOTOR CO.

5. Check and, if necessary, adjust the rear toe.

Rear Toe Adjustment

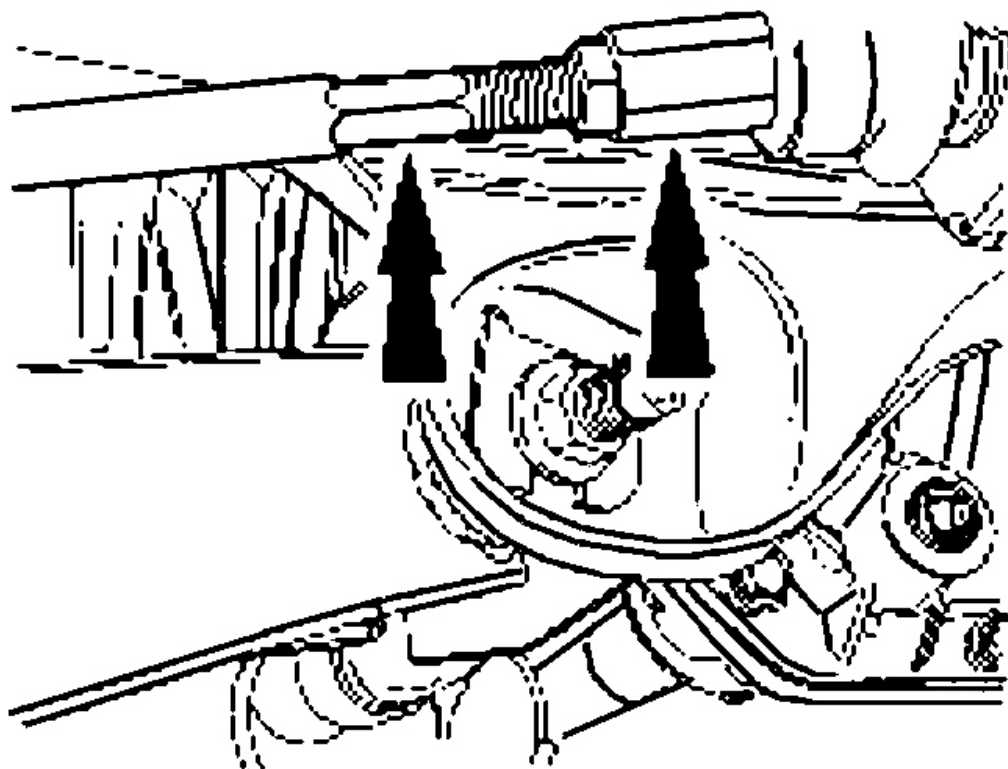
1. Start the engine and center the steering wheel.
2. Turn the engine off, and hold the steering wheel in the "straight ahead" position using a suitable holding device.
3. Loosen the nuts.
4. Clean and lubricate the nut(s) and rear toe link threads.



G03180155

Fig. 29: Identifying Nut And Rear Toe Link Threads
Courtesy of FORD MOTOR CO.

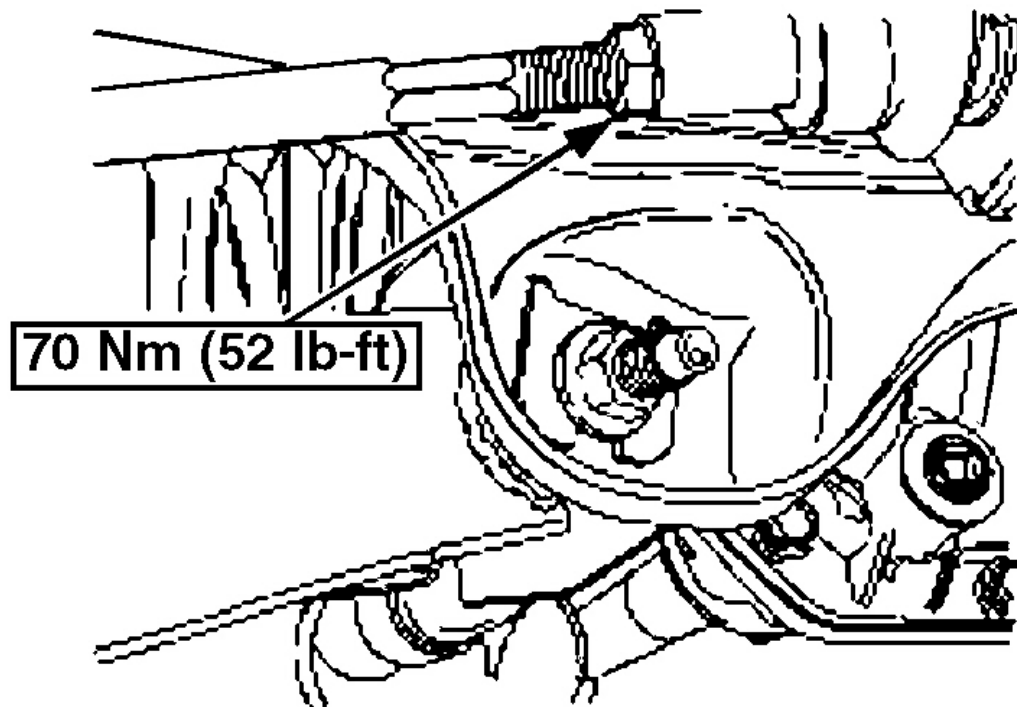
5. While holding the toe link spindle tie-rod, rotate the toe link adjuster.



G03180156

Fig. 30: Rotating Toe Link Adjuster
Courtesy of FORD MOTOR CO.

NOTE: Make sure the toe settings are not disturbed while tightening the nuts.



G03180157

Fig. 31: Tightening Nuts While Holding Adjuster
Courtesy of FORD MOTOR CO.

6. While holding the adjuster, tighten the nuts.