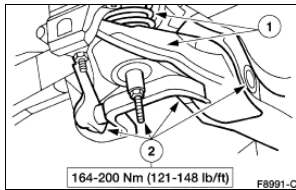


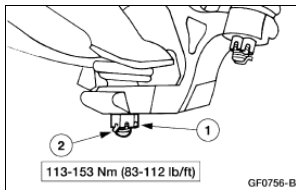
2. **NOTE:** The forward front suspension lower arm nut must be tightened first while the control arm is held at the curb position ride height.

Install the front suspension lower arm.

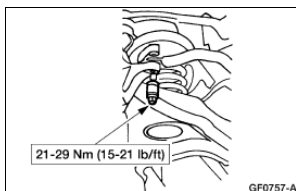
1. Position the front suspension lower arm and front coil spring.
2. Install the bolts and nuts.



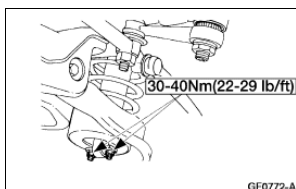
3. Install the lower ball joint.
  1. Install the castellated nut.
  2. Install a new cotter pin.



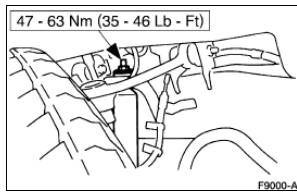
4. Install the front stabilizer bar link nut.



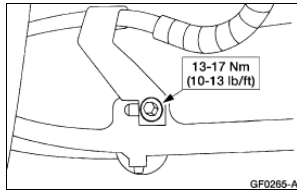
5. Remove the Coil Spring Compressor.
6. Install the front shock absorber and the shock absorber lower nuts.



7. Install the upper shock absorber washer and nut.



8. Install the brake hose bracket screw.



9. Install the brake disc shield; for additional information, refer to [Section 206-03](#) .

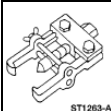
10. Install the tire and wheel assembly; for additional information, refer to [Section 204-04](#) .

11. Inspect and adjust the front end alignment; for additional information, refer to [Section 204-00](#) .

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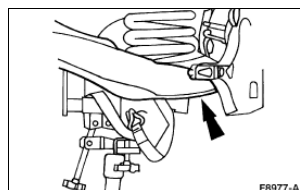
**Arm Upper**

## Special Tool(s)

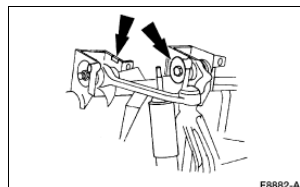
 <p>ST1263-A</p>	<p>Pitman Arm Puller 211-003 (T64P-3590-F)</p>
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**Removal**

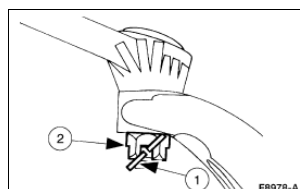
1. Raise the vehicle on a hoist; for additional information, refer to [Section 100-02](#) .
2. Remove the wheel and tire assembly; for additional information, refer to [Section 204-04](#) .
3. Use a suitable jack to support the front suspension lower arm (3079).



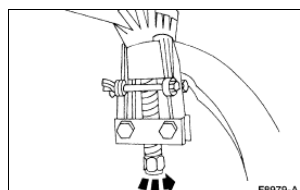
4. Mark the position of the front suspension upper arm cam (3C178).



5. Remove the upper ball joint castellated nut.
  1. Remove the cotter pin.
  2. Remove the nut.

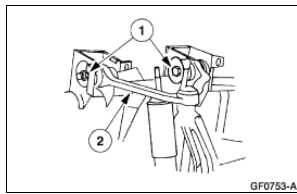


6. Use the Pitman Arm Puller to separate the ball joint from the front wheel spindle (3105).



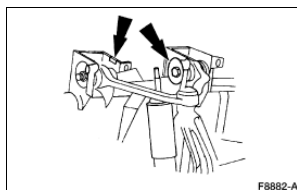
7. Remove the front suspension upper arm.

1. Remove the two nuts and the two bolts.
2. Remove the front suspension upper arm (3082).



### Installation

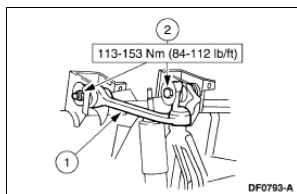
1. Align the marks made during removal on the front suspension upper arm cams.



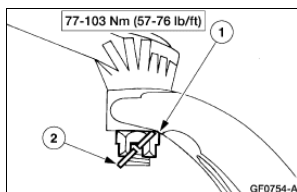
2. **NOTE:** The forward front suspension upper arm nut must be tightened first while the control arms are held at the curb position ride height.

Install the front suspension upper arm.

1. Position the front suspension upper arm.
2. Install the two bolts and nuts.



3. Install the upper ball joint castellated nut.
  1. Install the nut.
  2. Install a new cotter pin.

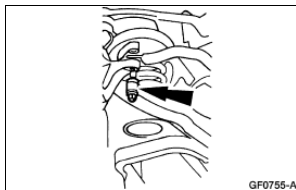


4. Install the tire and wheel assembly; for additional information, refer to [Section 204-04](#).
5. Inspect and adjust the front end alignment; for additional information, refer to [Section 204-00](#).

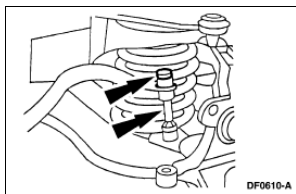


**Bar and Link****Removal**

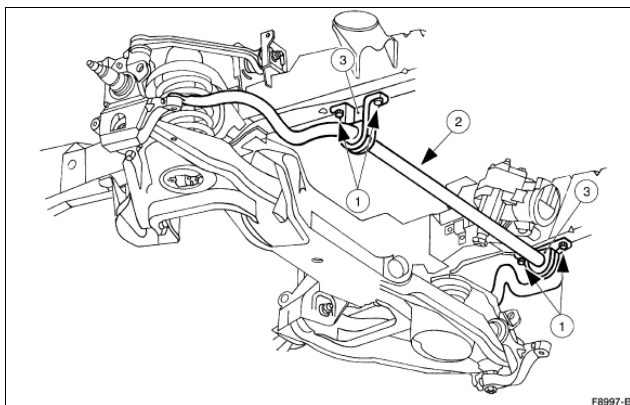
1. Raise the vehicle on a hoist; for additional information, refer to [Section 100-02](#).
2. Remove the wheel and tire assembly; for additional information, refer to [Section 204-04](#).
3. Remove the front stabilizer bar link nuts from the front suspension lower arms (3078).



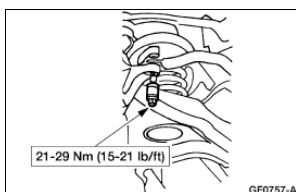
4. Remove the front stabilizer bar link bolts and remove the front stabilizer bar links.

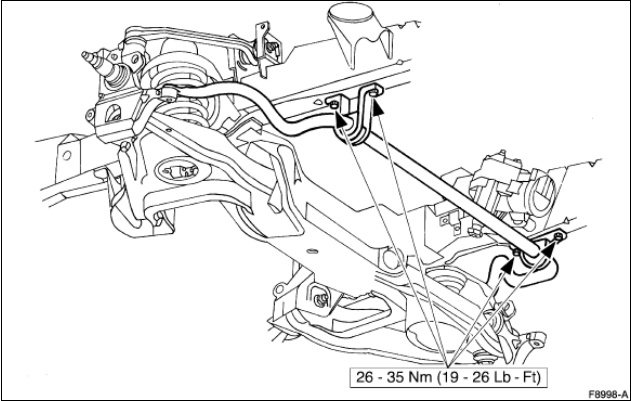


5. Remove the front stabilizer bar (5482).
  1. Remove the four bolts.
  2. Remove the front stabilizer bar.
  3. Remove the lower suspension arm stabilizer bar insulators.

**Installation**



1. Follow the removal procedure in reverse order.





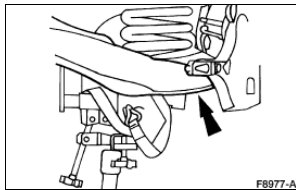
**Spindle**

## Special Tool(s)

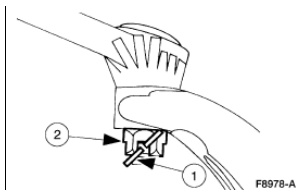
 ST1352-A	Coil Spring Compressor 204-D001 (D78P-5310-A) or Equivalent
 ST1263-A	Pitman Arm Puller 211-003 (T64P-3590-F)

**Removal**

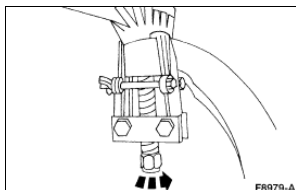
1. Raise the vehicle on a hoist; for additional information, refer to [Section 100-02](#) .
2. Remove the wheel and tire assembly; for additional information, refer to [Section 204-04](#) .
3. Remove the brake disc shield (2K004) ; for additional information, refer to [Section 206-03](#) .
4. Use a suitable jack to support the front suspension lower arm (3078).



5. Remove the upper ball joint castellated nut.
  1. Remove the cotter pin.
  2. Remove the nut.



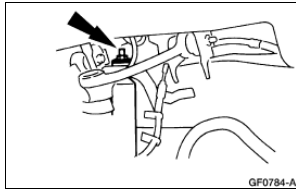
6. Use the Pitman Arm Puller to separate the ball joint from the front wheel spindle (3105).



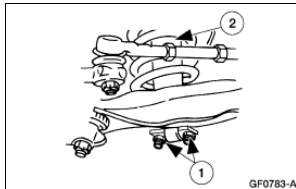
7. **⚠ CAUTION: Do not allow the shaft to turn while removing the nut. Hold the flats using a suitable wrench or damage to the shock can result.**

Remove the upper shock absorber nut.

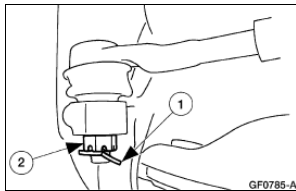




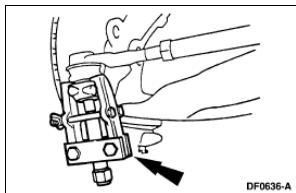
8. Remove the front shock absorber (18124).
  1. Remove two shock absorber lower nuts.
  2. Remove the front shock absorber.



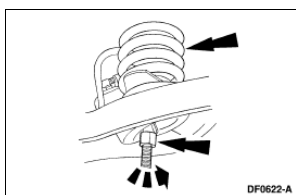
9. Remove the tie rod castellated nut.
  1. Remove the cotter pin.
  2. Remove the castellated nut.



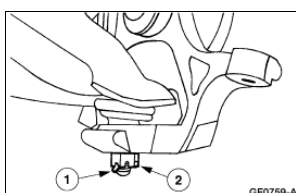
10. Use the Pitman Arm Puller to separate the tie rod end (3A130) from the front wheel spindle.



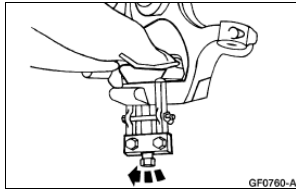
11. Use the Coil Spring Compressor to compress the coil spring.



12. Remove lower ball joint castellated nut.
  1. Remove the cotter pin.
  2. Remove the castellated nut.



13. Use the Pitman Arm Puller to separate the lower ball joint from the front wheel spindle.

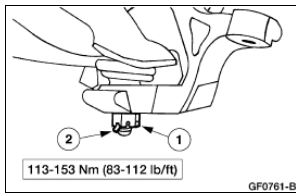


14. Remove the front wheel spindle.

### Installation

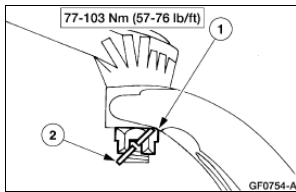
1. Install the lower ball joint castellated nut.

1. Install the castellated nut.
2. Install a new cotter pin.



2. Install the upper ball joint castellated nut.

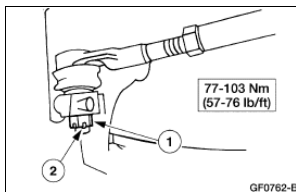
1. Install the castellated nut.
2. Install a new cotter pin.



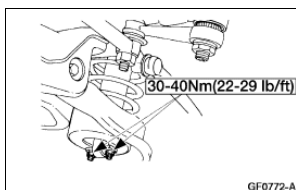
3. Remove the Coil Spring Compressor.

4. Install the tie rod castellated nut.

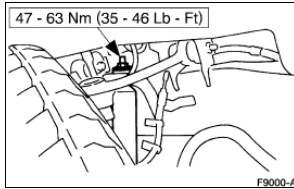
1. Install the nut.
2. Install a new cotter pin.



5. Install the front shock absorber and the two shock absorber lower nuts.



6. Install the upper shock absorber nut.



7. Install the brake disc shield; for additional information, refer to [Section 206-03](#) .
  8. Install the tire and wheel assembly; for additional information, refer to [Section 204-04](#) .
  9. Inspect and adjust the front end alignment; for additional information, refer to [Section 204-00](#) .
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