

REMOVAL

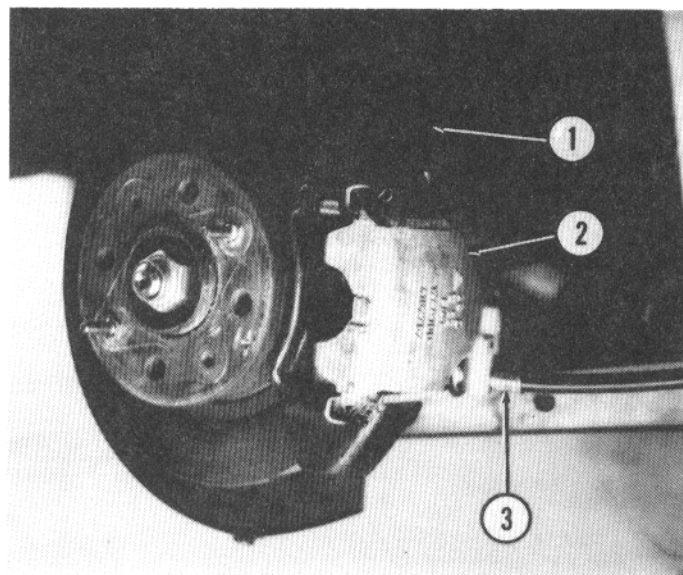
Remove wheel.

If brake caliper (2) needs inspection, leave caliper attached to suspension.

To do this, plug outlet from brake fluid reservoir and disconnect hose (1) from caliper.

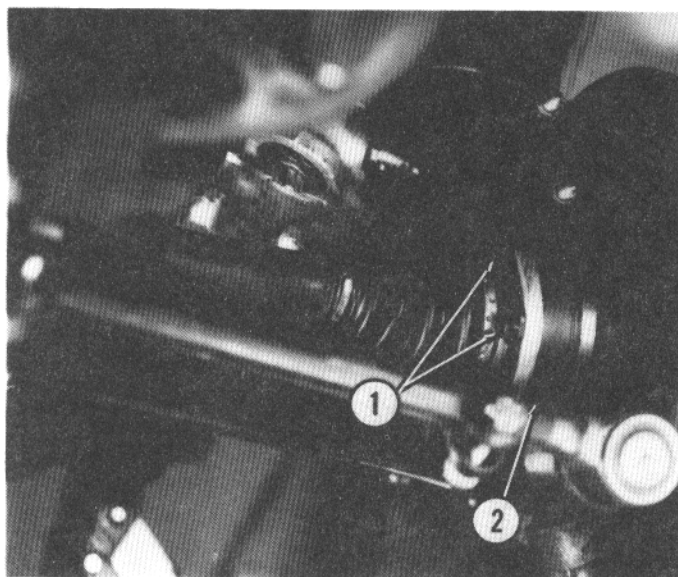
To remove caliper from suspension, refer to 331.17/.25.

1. Hose 2. Caliper 3. Cable



Remove six Allen bolts (1) attaching half-shaft outer CV joint (2) to stub shaft.

1. Allen bolts 2. Outer CV joint



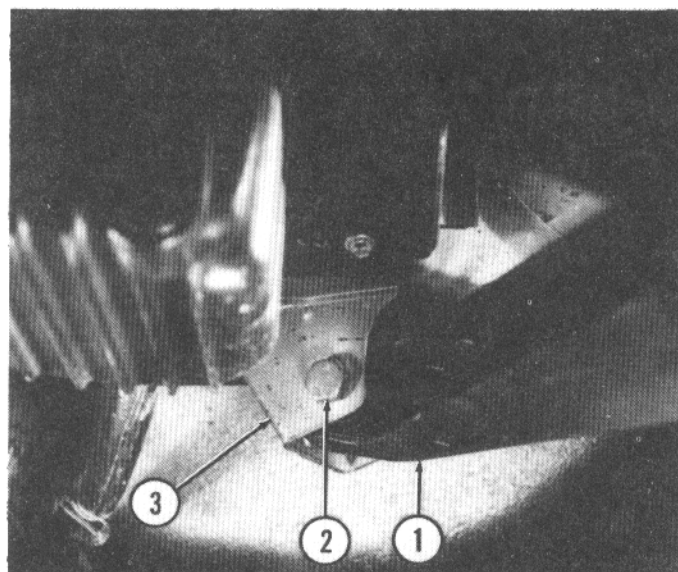
Remove catalytic converter. Refer to 102.58.

Note number and position of shims at front control arm mounting point.

Remove nut, washer and bolt (2) holding control arm (1) to bracket (3) at front of suspension.

Retain shims between arm and bracket.

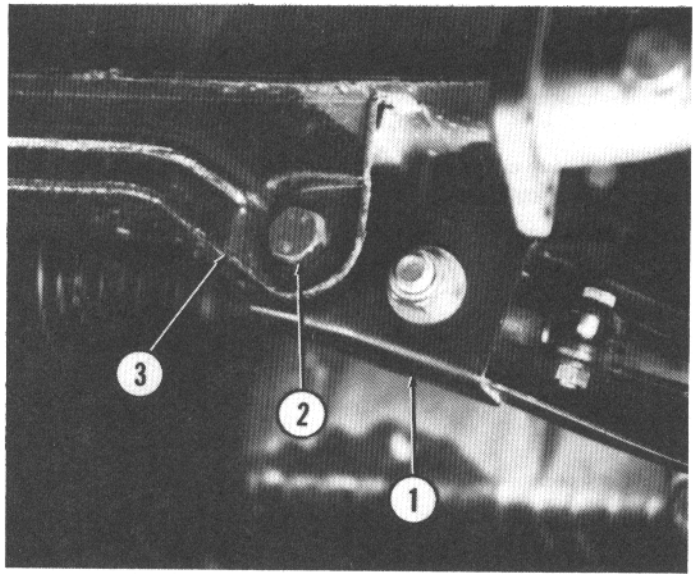
1. Control arm 2. Bolt 3. Bracket



Note number and position of shims at rear control arm mounting point.

Remove nut washer, and bolt (2) holding control arm to bracket (3) at rear of suspension.

1. Control arm 2. Bolt 3. Bracket

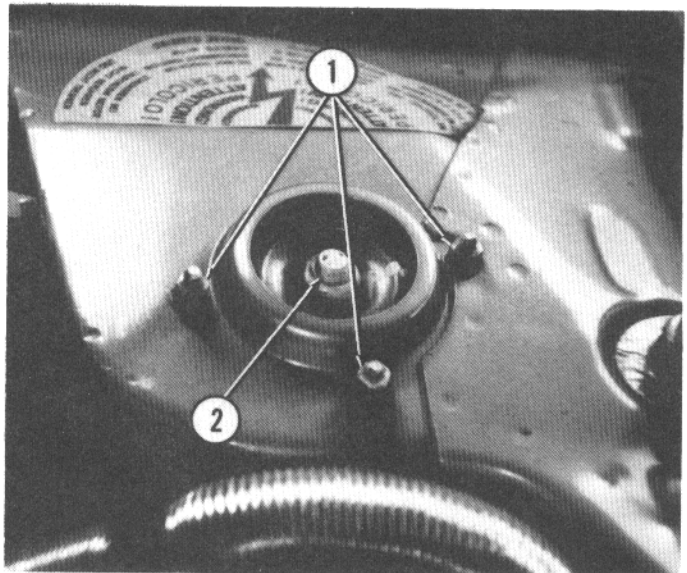


Remove 3 nuts (1) and washers holding strut assembly (2) at top.

Remove suspension assembly from vehicle.

To replace coil spring, refer to 443.02/.06.

1. Nuts 2. Strut assembly

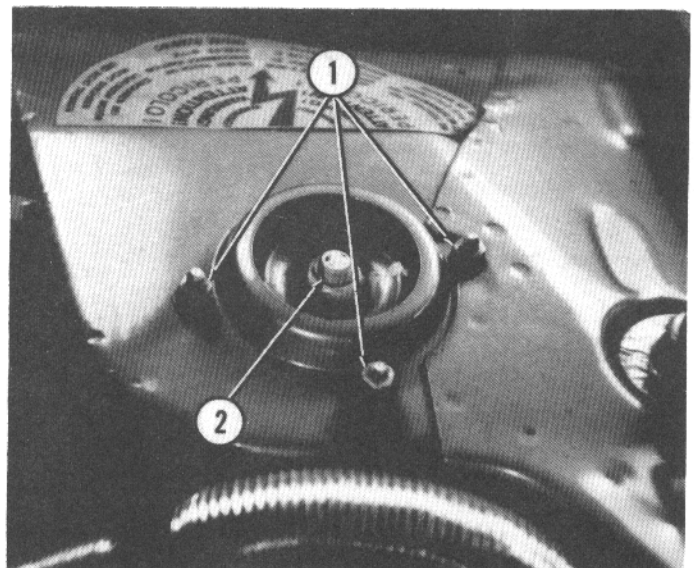


INSTALLATION

Place suspension assembly in vehicle. Install washers and nuts (1) on three bolts on top of strut assembly (2).

Torque nuts to 7 ft. lbs. (1 kgm).

1. Nuts 2. Strut assembly



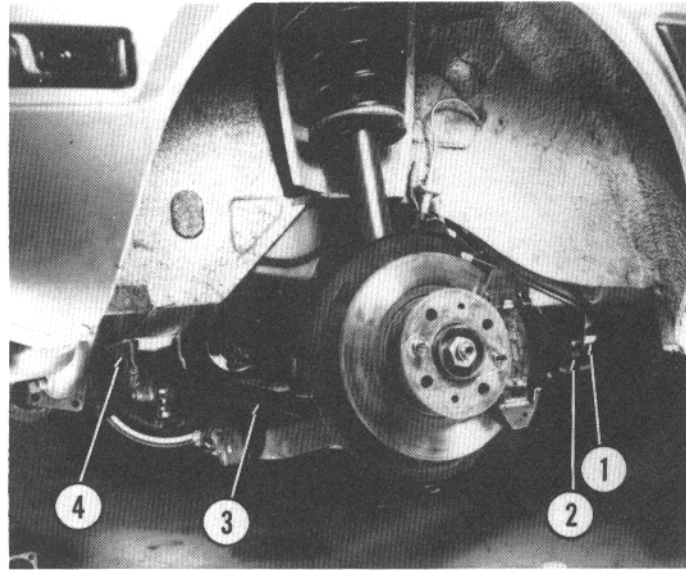
Install shims noted during removal between control arm (3) and front and rear mounting brackets (2 and 4).

Install bolts, nuts (1) and washers holding control arm to brackets.

NOTE: Torque control arm nuts to 72 ft. lbs. (10 kgm) when installation is complete and vehicle is on ground.

Install catalytic convertor.

1. Nut 2. Front bracket 3. Control arm 4. Rear bracket



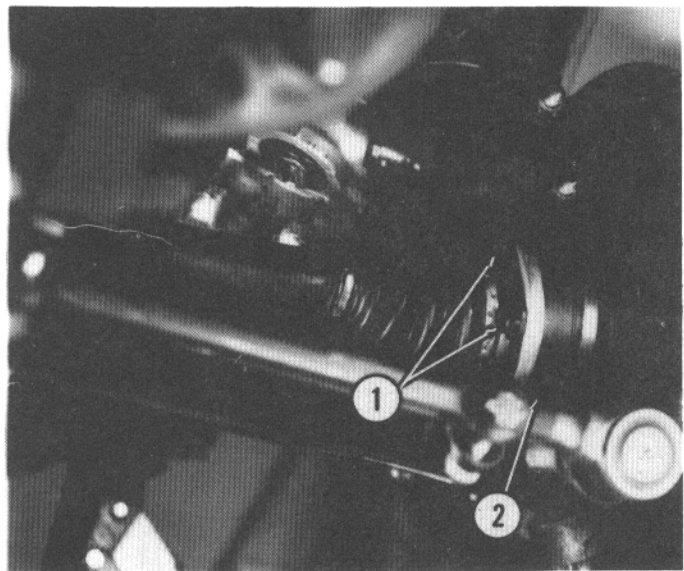
Install six new Allen bolts (1) to attach half-shaft outer CV joint (2) to hub shaft.

Torque bolts to 31 ft. lbs. (4.3 kgm).

Install brake caliper.

If caliper was left on suspension, connect hose and parking brake cable. Bleed caliper. Check wheel alignment.

1. Allen bolts 2. Outer CV joint



REAR WHEEL ALIGNMENT

Install and adjust alignment equipment. Follow instructions provided with equipment.

Set up equipment to check camber.

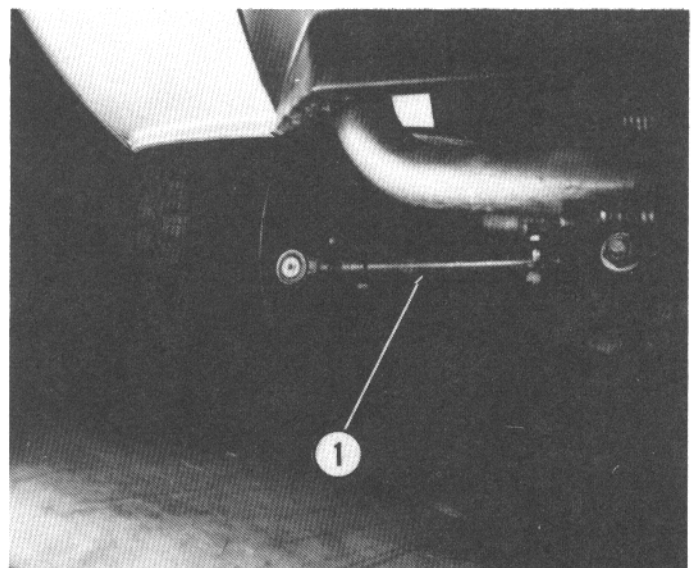
Camber should be $-0^{\circ}45'$ to $-1^{\circ}45'$.

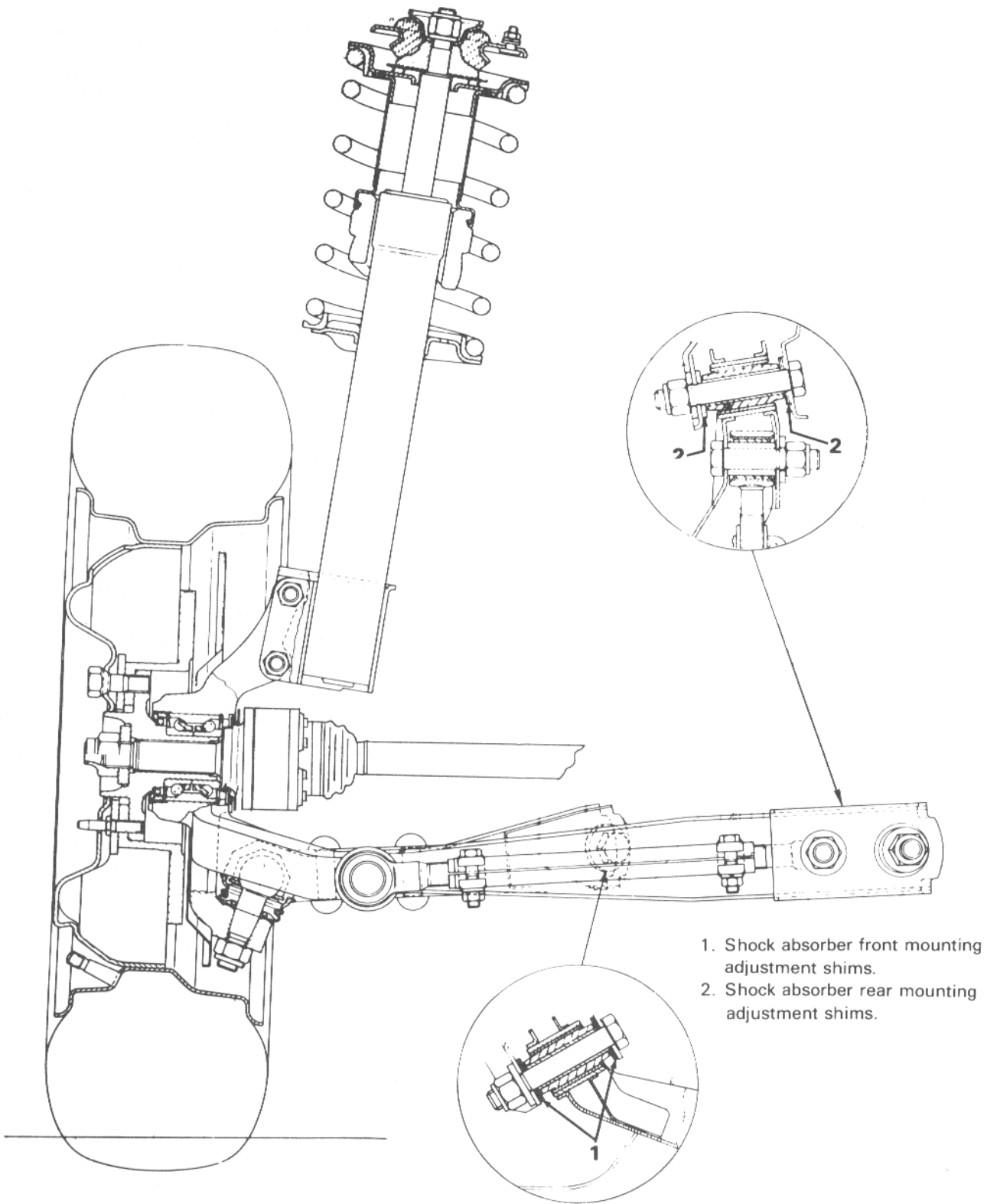
Check toe-in.

Toe-in, unladen vehicle, should be $+13/64$ to $+11/32$ in. (5.0 to 8.5 mm).

Adjust toe-in by lengthening or shortening rear tie rod (1).

1. Rear tie rod





- 1. Shock absorber front mounting adjustment shims.
- 2. Shock absorber rear mounting adjustment shims.

CROSS SECTION OF REAR SUSPENSION

CONTROL ARM

REMOVAL AND INSTALLATION

Remove rear suspension from vehicle. Refer to REAR SUSPENSION REMOVAL AND INSTALLATION.

Unstake stub shaft nut (1). Remove nut, washer and stub shaft from pillar.

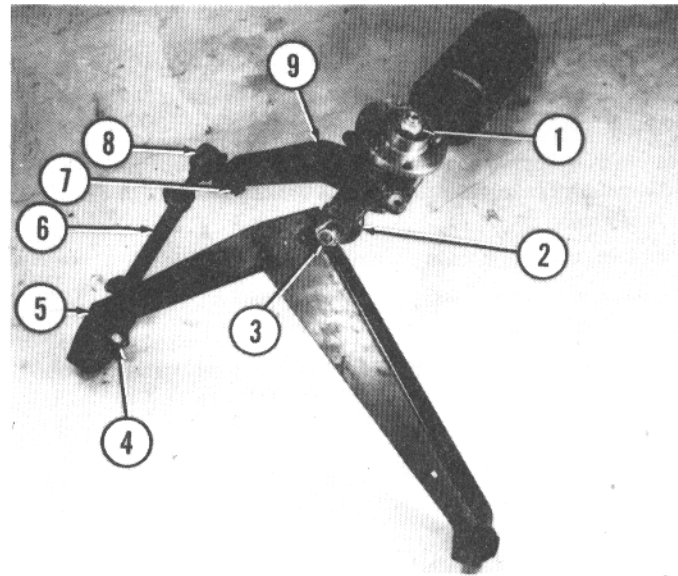
Remove nut (4) washer and bolt attaching rear tie rod (6) to control arm (5).

Remove cotter pin and nut (7) holding tie rod ball joint (8) and remove ball joint from pillar.

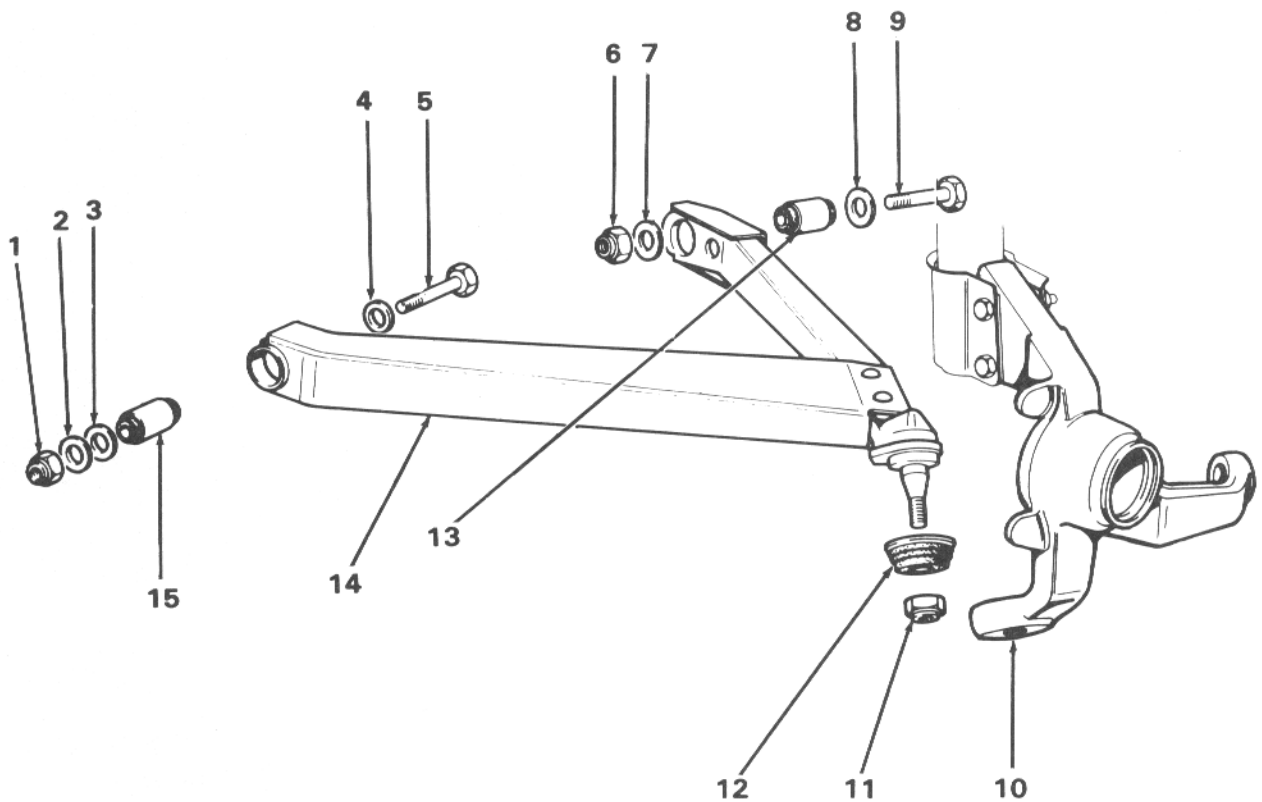
Remove nut (3) holding lower ball joint (2) to pillar (9). Separate ball joint from pillar.

Remove control arm.

Installation is reverse of removal. Torque nuts and bolts to specifications. Stake stub shaft nut.



1. Nut 2. Ball joint 3. Nut 4. Nut 5. Control arm 6. Tie rod
7. Nut 8. Ball joint 9. Pillar



1. Nut
2. Washer
3. Washer
4. Washer

5. Bolt
6. Nut
7. Washer
8. Washer

9. Bolt
10. Pillar
11. Nut
12. Boot

13. Bushing
14. Control arm
15. Bushing

EXPLODED VIEW OF CONTROL ARM

REAR PILLAR

REMOVAL AND INSTALLATION

Remove wheel. Remove bolts holding brake caliper support to pillar.

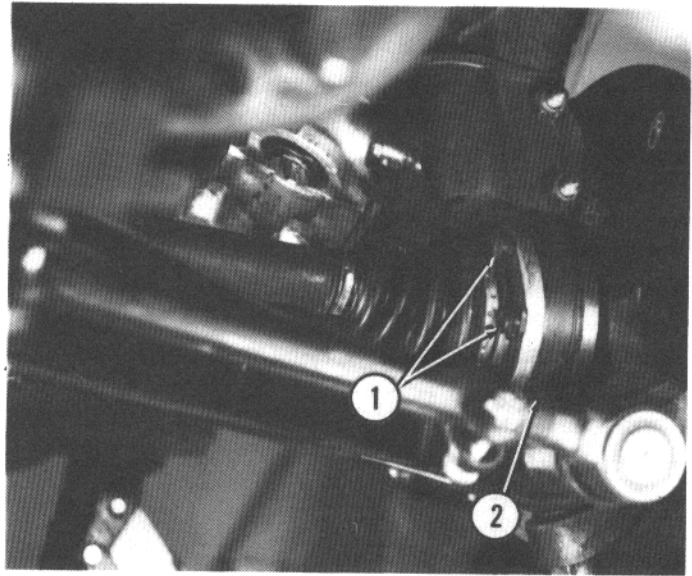
Remove caliper support with caliper attached without disconnecting brake hose and hand brake cable. Wire assembly out of way.

Remove disc and backing plate. Refer to 331.25.

Remove six Allen bolts (1) attaching half-shaft outer CV joint (2) to stub shaft.

NOTE: Discard Allen bolts and replace with new ones for installation. Torque nuts to 31 ft. lbs. (4.3 kgm).

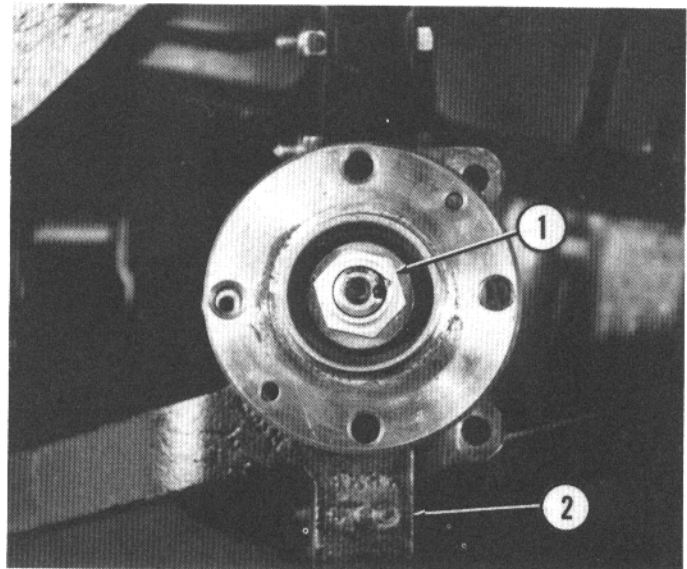
1. Allen bolts 2. Outer CV joint



Unstake stub shaft nut (1).

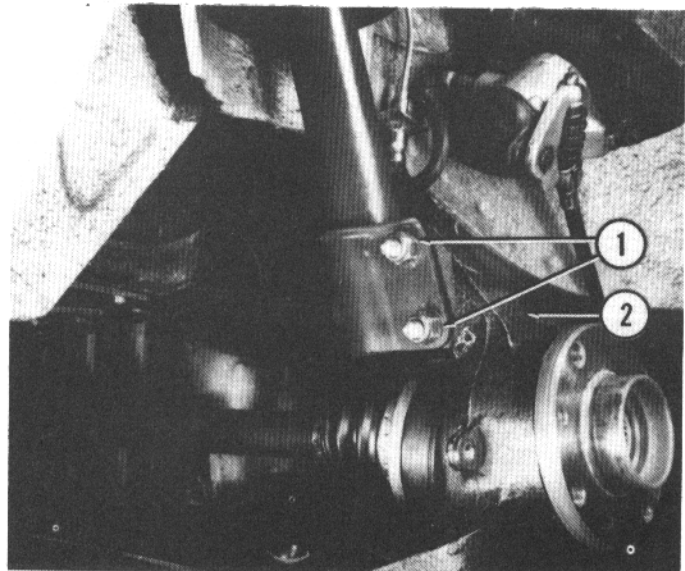
Remove nut, washer and stub shaft from pillar (2).

1. Nut 2. Pillar



Remove two nuts (2) and bolts attaching strut assembly to pillar (1).

1. Pillar 2. Nuts



Rear Suspension

443.05

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Remove nut (1) holding lower ball joint (2) to pillar (4).

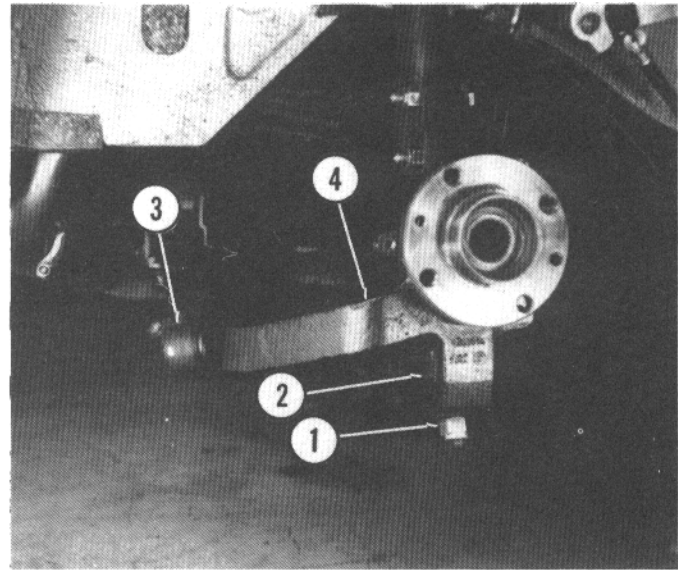
Tilt pillar outward and separate ball joint from pillar.

Remove cotter pin and nut holding rear tie rod ball joint (3) to pillar. Separate ball joint from pillar.

Remove pillar from vehicle.

Installation is reverse of removal. Torque nuts and bolts to specifications. Stake stub shaft nut.

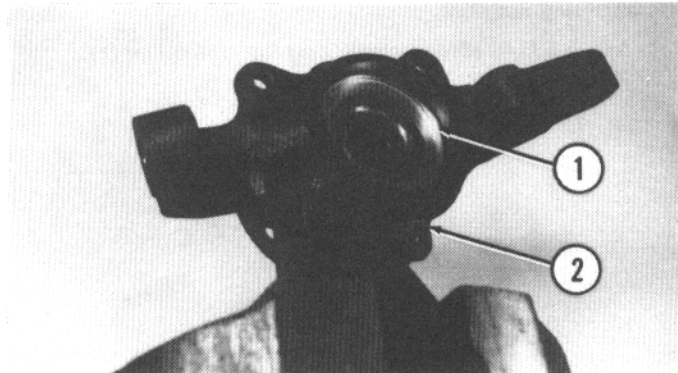
1. Nut 2. Ball joint 3. Ball joint 4. Pillar



OVERHAUL

Remove thrust ring (1) from pillar (2).

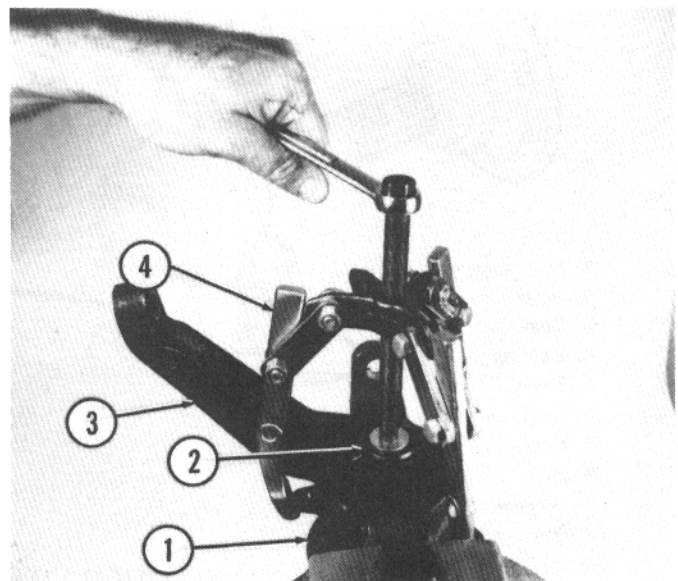
1. Thrust ring 2. Pillar



Place a suitable mandrel (2) on hub (1).

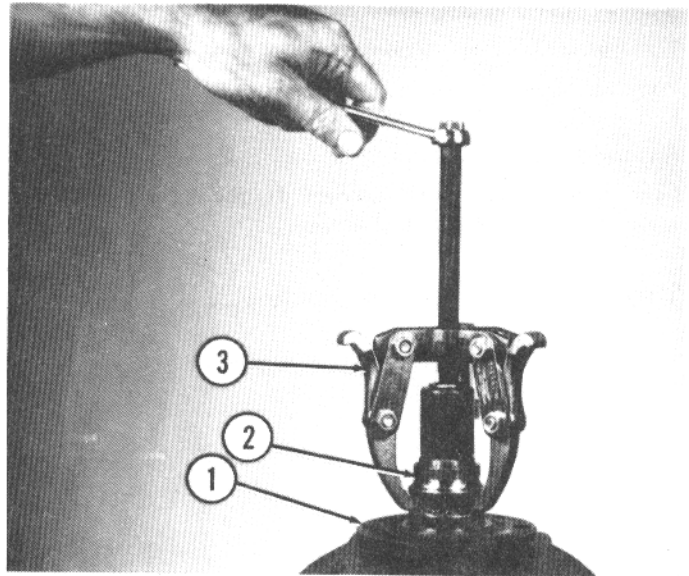
Use a puller (4) or press to press hub out of inner race and out of pillar (3).

1. Hub 2. Mandrel 3. Pillar 4. Puller



If bearing inner race (2) remains on hub (1), drive race off hub far enough to attach to puller (3), and remove race from hub. A press may also be used.

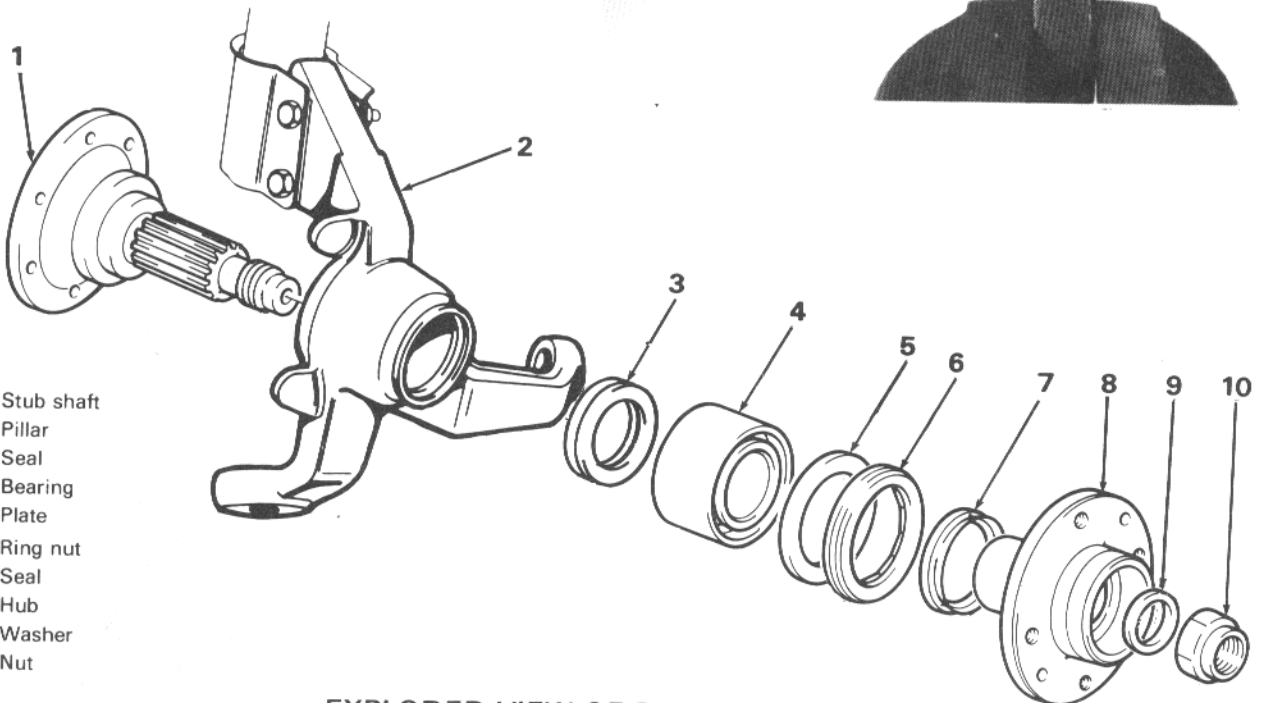
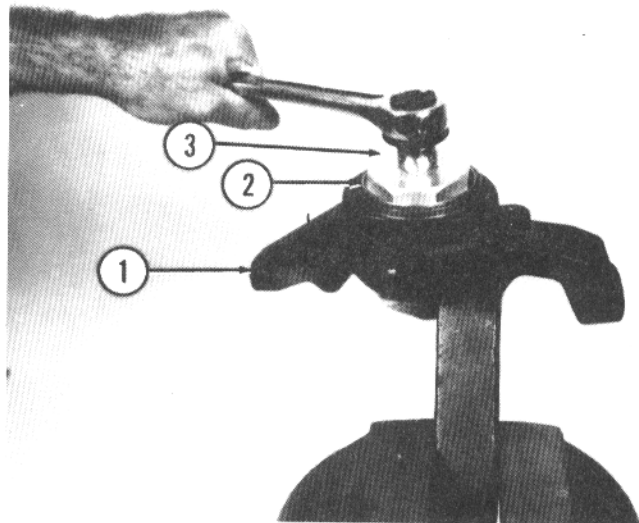
- 1. Hub
- 2. Inner race
- 3. Puller



Unstake ring nut (2).

Use tool A.57149 (3) to remove ring nut from pillar (1).

- 1. Pillar
- 2. Ring nut
- 3. Tool A.57149



- 1. Stub shaft
- 2. Pillar
- 3. Seal
- 4. Bearing
- 5. Plate
- 6. Ring nut
- 7. Seal
- 8. Hub
- 9. Washer
- 10. Nut

EXPLODED VIEW OF REAR PILLAR

Rear Suspension

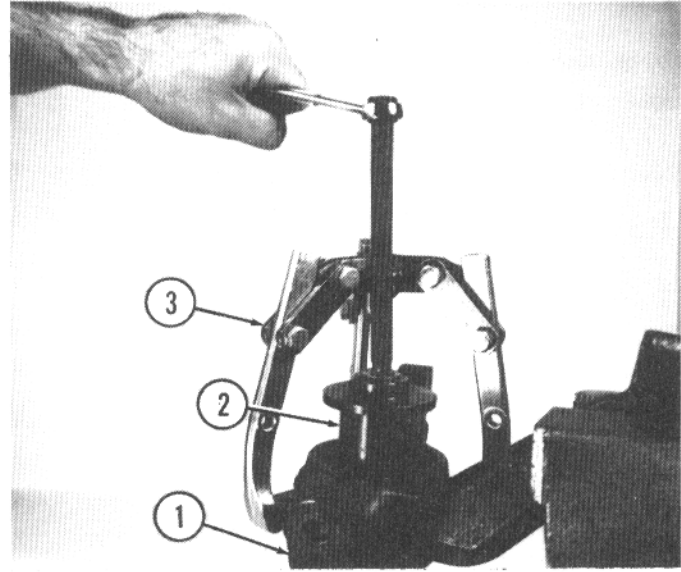
443.05

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Place tool A.74377 (2) on bearing inner race.

Use a puller (3) or press to remove bearing assembly from pillar (1).

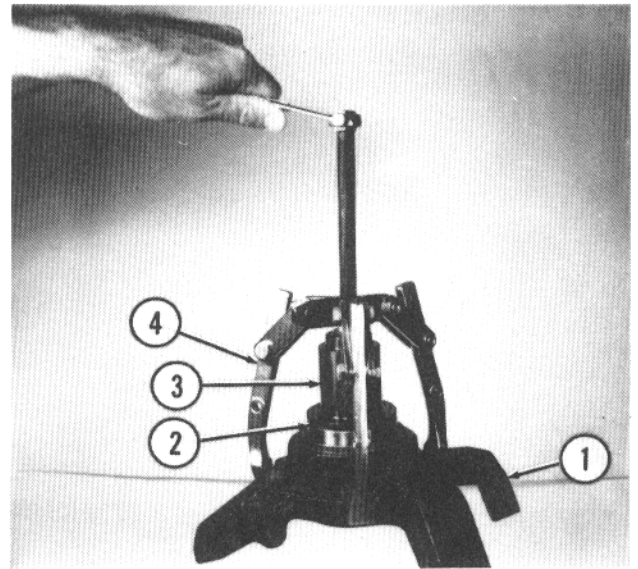
1. Pillar 2. Tool A.74377 3. Puller



To reassemble, place bearing assembly (2) on pillar (1).

Use tool A.74377 (3) and a puller (4) or press to install bearing assembly in pillar.

1. Pillar 2. Bearing assembly 3. Tool A.74377 4. Puller

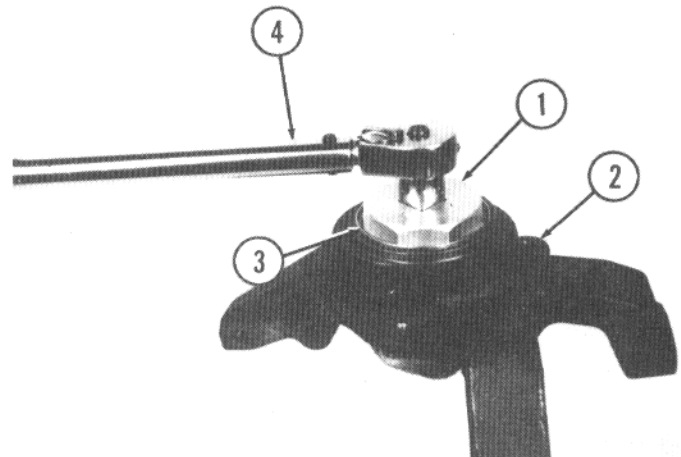


Screw a new ring nut (3) into pillar (2).

Using tool A.57149 (1) and a torque wrench (4), torque nut to 43 ft. lbs. (6 kgm).

Stake nut.

1. Tool A.57149 2. Pillar 3. Ring nut 4. Torque wrench

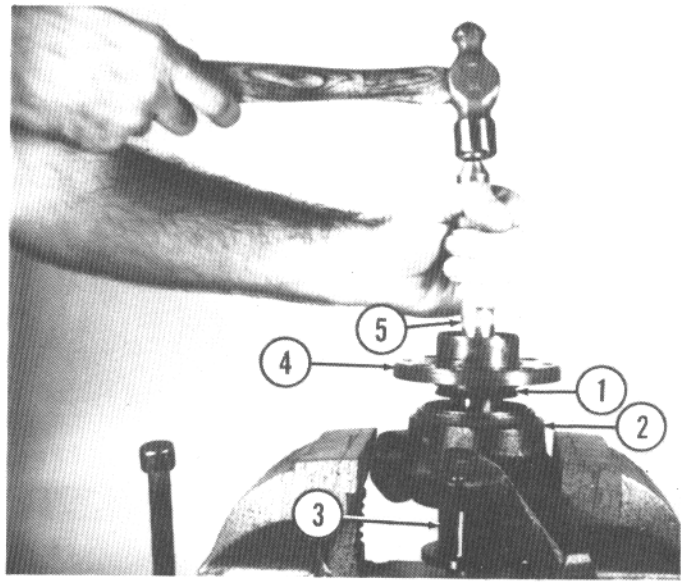


Support bearing inner race with tool A.74377 (3).

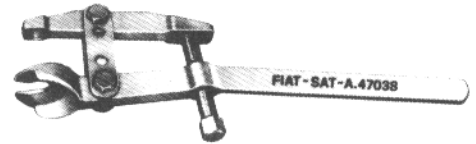
Use a driver (5) to install hub (4) into pillar (2). A press may also be used.

Install thrust plate.

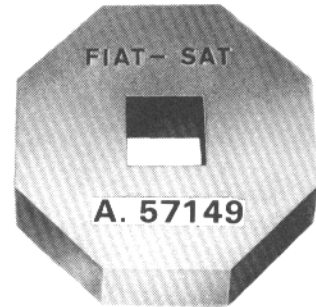
- 1. Seal
- 2. Pillar
- 3. Tool A.74377
- 4. Hub
- 5. Driver



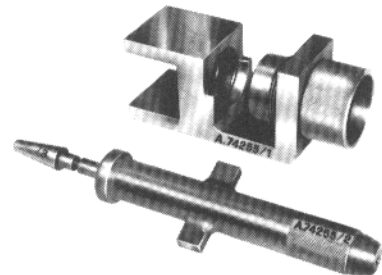
A.47038 Puller for separating tie rod ball joints



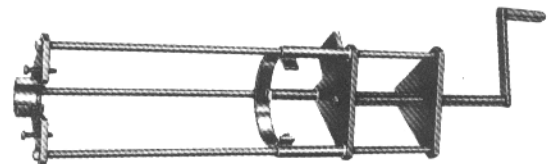
A.57149 Rear pillar ring nut wrench



A.74255 Tool for inserting front control arm rubber bushings



A.74277 Coil spring compressor



A.74377 Tool for removing and refitting rear pillar bearing

