LOWER CONTROL ARM, BUSHINGS & BALL JOINT

Removal

Remove 3 ball joint nuts in control arm. Remove 2 bolts attaching control arm to sub-frame. Remove control arm. Remove plastic cover from control arm. Clean rust from bushing outer sleeve. For reassembly reference, mark position of outer sleeves in relation to control arm. Press out bushings. See Fig. 2.
Installation


2. Using NEW bolts and nuts, install control arm to sub-frame. Do not tighten bolts and nuts at this time. Using NEW nuts, install ball joints. Tighten nuts to 13 ft. lbs. (18 N.m), then tighten an additional 120 degrees. Tighten inside nut first and work outward. Lower vehicle and bounce a few times. Tighten control arm nuts in sub-frame to 48 ft. lbs. (65 N.m), then tighten an additional 120 degrees.

Fig. 2: Cutaway View Of Front Suspension Components
Courtesy of VOLVO CARS OF NORTH AMERICA.