

Rear Suspension

LANCIA

Lancia Beta
Except Scorpion

DESCRIPTION

Rear suspension is strut type. Strut is hydraulic and is fitted with coil spring. Strut mounts off bearing housing and at top to inner fender. Control arms (links) mount at bearing housing and crossmember. A stabilizer bar mounts off bearing housing and in at least two places on body brackets.

ADJUSTMENT

WHEEL ALIGNMENT SPECIFICATIONS & PROCEDURES

NOTE — Procedures not available. See WHEEL ALIGNMENT Section for Specifications.

REMOVAL & INSTALLATION

CROSSMEMBER

Removal — Raise and support vehicle. Place a hydraulic jack under center of crossmember. Remove nuts from crossmember mounting bolts. Remove mounting crossmember from body. On models with automatic headlight aiming device, remove rear sensor and support bracket. Separate crossmember from floor pan and lower jack. Take out bolts from crossmember mounting while lowering jack. Remove spacers and washers from mounting point. Control arm links may be wedged and have to be pried against.

Installation — To install, reverse removal procedure.

STABILIZER BAR

Removal — Raise and support vehicle. Remove brake rear limiter valve control lever from stabilizer bar. Disconnect stabilizer bar ends from mountings. Attach tool 8803342 (or equivalent) and compress bar enough to remove from vehicle. Make sure bar clears muffler and hardware. If mounting grommets need replacing, use a press to force from mounting brackets.

Installation — To install, reverse removal procedure. Make sure all grommets are properly aligned with brackets.

CONTROL ARM (LINK)

Removal — Raise and support vehicle. Remove plate covering crossmember bolts. On vehicles with automatic aiming sensor, remove headlight ball pin for left side control link. Remove nuts and bolts mounting control link to crossmember and bearing carrier. Separate links from crossmember mounting. Remove wheel. Guide links from vehicle.

Installation — To install, reverse removal procedure and note: Make sure crossmember mounting bolt heads face front of vehicle. Check and reset toe-in.

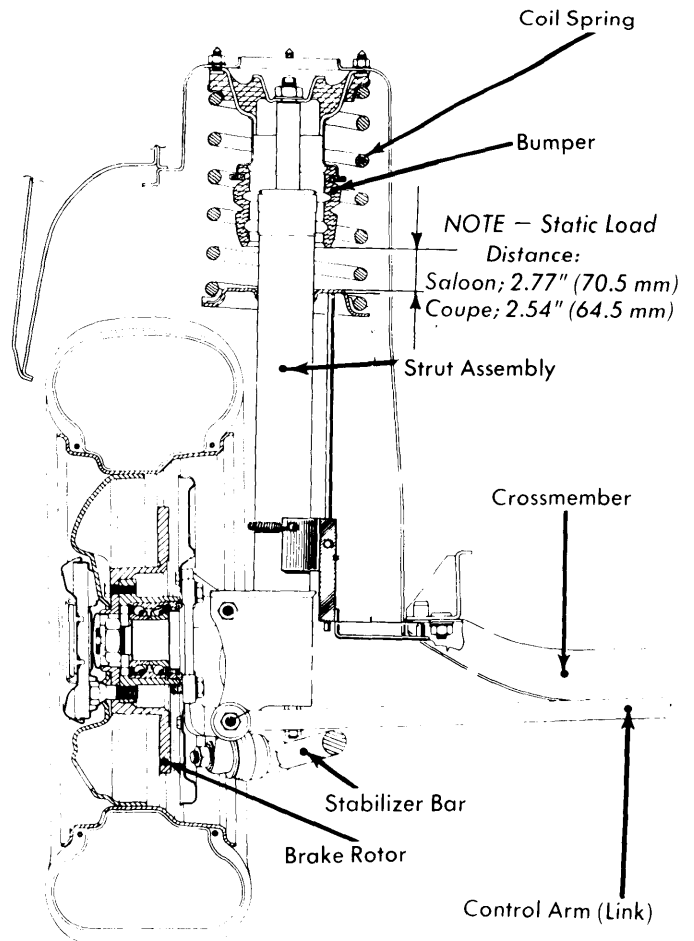


Fig. 1 Cross Section View of Rear Suspension

STRUT ASSEMBLY

Removal — Raise and support vehicle. Remove wheel. Fit tool 88033412 (or equivalent) to stabilizer bar and lightly tighten. Remove bolts mounting strut to bearing carrier and control links. Separate strut from mounting. Hang wheel hub and brake caliper to body. Make sure brake hose is not stretched. Work inside vehicle and remove mounting nuts from top strut plate. Draw strut out bottom of vehicle.

Installation — To install, reverse removal procedure and check static load. See Fig. 1.

TIGHTENING SPECIFICATIONS

Application	Fr. Lbs. (mkg)
Crossmember.....	18 (2.5)
Strut-to-Control Link	31 (2.3)
Stabilizer Bar Bolts	17 (2.3)