



AIR DITCHER

AIR TO COIL CONVERSION KIT

1990-2000 Lexus LS400



This product is intended to modify your vehicle and replace the existing air controlled suspension components with a passive coil and shock system. The system has been designed and extensively tested to provide the same ride quality and height as the O.E.M. system.



This conversion kit requires the removal of the stock coil spring, which may be under compression. Proper procedure must be followed to minimize risk of personal injury and product damage.

General Precautions

When servicing any vehicle be sure to follow all safety procedures.

First, make sure that when lifting the vehicle that you are using the appropriate jack for the weight of the vehicle.

Make sure before going underneath any vehicle that it is properly supported with sturdy jack stands and on level ground so that the vehicle doesn't fall or slide off of the jack and onto you.

As with any automotive repair, make sure you have the appropriate tools to do the job so you don't damage any parts on the vehicle. There is a list of tools needed included in these instructions.

Safety glasses and mechanic gloves should also be worn for your protection.

Be sure to follow the instructions in the order that they are given. The instructions are in a certain order for a reason and improper installation could lead to damage to your vehicle or the parts. Keep in mind that if you damage the parts during installation you will be responsible for the replacement parts.

Included In This Conversion Kit

2x Complete Strut Assemblies



Minimum Tools Needed For This Installation



Metric Hand Tools (Sockets/Wrenches)



Jack and Jackstands

! WARNING

Our complete strut assemblies are completely assembled from the factory. These units contain a coil spring under compression. DO NOT ever loosen the top mount main bolt for prevention of both physical harm and vehicle damage.

CAUTION

You must support the steering knuckle while installing this conversion kit. Failure to do so may result in damaging your vehicle and voiding your complete strut assembly's warranty.

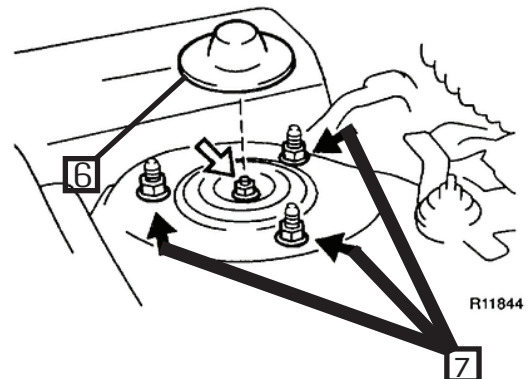
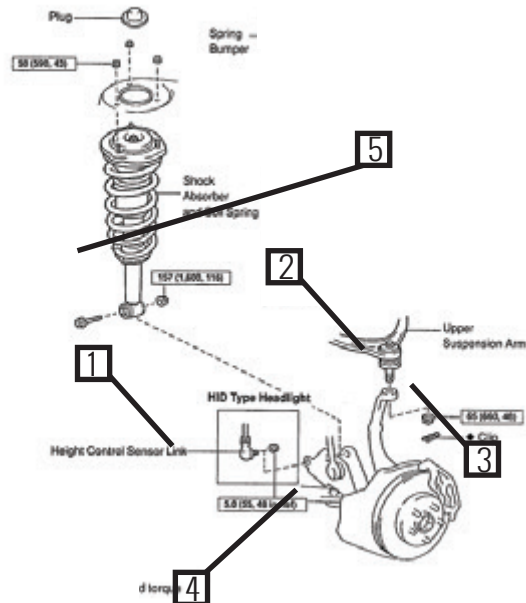
Removal

1. Remove front wheel.
2. Raise and secure vehicle

HID type headlight:

- a. Disconnect height control sensor link from shock absorber lower bracket. (#1)
- b. Remove the nut and disconnect the sensor link.(#1a)

3. Disconnect steering knuckle from upper ball joint. (#2)
4. Remove the clip and nut. (#3)
5. Support the steering knuckle securely.(#4)
6. Disconnect shock absorber from shock absorber lower bracket. (#5)
7. Remove top mount plug (#6)
8. Remove top mount upper mounting nuts (#7)
9. Remove shock absorber with coil spring.



Installation

Installation is in the reverse order of removal. Be sure to check the front wheel alignment.

Torque Specifications

Wheel Lug Nut.....	96 ft. lbs
Upper Ball Joint.....	76 ft. lbs.
Strut (Tower) Mounting Nut	48 ft. lbs.
Height Control Sensor.....	31lbs

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