Hints & Tips

REPLACING THE CV JOINTS

What will I need to... Replace a CV Joint

- A quality branded cv joint kit
- A vehicle jack
- A wheel spanner
- 2 x Tresles
- Screwdrivers
- Suitable spanners and allen keys
- Circlip pliers, normal pliers and side cutters
- Rubber hammer
- Cleaning solvent
- Hand cleaner
- Mutton cloth

REPLACING THE CV JOINTS

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Replacing the CV Joints

A Constant Velocity Joint Kit (CV Joint Kit) consists of the following:
1 x Constant Velocity Joint
1 x Constant Velocity Boot
1 x Grease Tube
1 x Nut (Where applicable)
2 x Boot Clips

A Constant Velocity Joint Boot Kit consists of the following:
1 x Constant Velocity Boot
1 x Grease Tube
2 x Boot Clips

STEP 1: Ensure that the handbrake is pulled up in order to secure the vehicle. This will avoid the vehicle from moving while the CV Joints are being replaced.

STEP 2: Loosen the nuts that secure the front wheels in place. Jack the front wheels off of the ground (plus/minus 50mm) and install a trestle on each side of the vehicle for support. Remove the front wheels

STEP 3: Different vehicles will have different types of drive shaft retaining nuts. The two nut types are: Castle nut design (split pin type) or a nyloc type nut (self locking type). Always ensure that new ni-lock type retaining nuts are installed on re-assembly, do not re-use ni-lock type nuts.

STEP 4: It is advisable to get an assistant to apply pressure to the brake pedal when loosening the drive shaft securing nut. This will prevent the hub assembly from rotating. Loosen the drive shaft retaining nut with an extension bar and the correct size socket.

STEP 5: Loosen the ball joint locating nut, but do not remove the nut completely. Using a suitable bar, carefully lever the lower suspension arm down to release the ball joint from the hub assembly. Once the assembly is free, remove the nut and lower the control arm assembly. Take extra care not to damage the ball joint rubber dust cover.

STEP 6: The inner CV Joint can now be released from the transmission housing. Pull the hub assembly firmly outwards. A tripod type inner CV Joint can normally be released by inserting a suitable lever or power bar between the transmission housing and the relevant CV Joint. Take extra care not to damage the oil seal while doing this.

STEP 7: Remove the drive shaft retaining nut and washer, and pull the hub assembly outwards. Slide the CV Joint from the hub, and gently pull the drive shaft out from its original locating position. Follow the installation assembly instructions supplied with the CV Joint Kit.

STEP 8: Refit all the above components in the reverse order that they were removed in. Ensure that all the relevant components are cleaned before installation, and double check all securing bolts are tightened correctly. Refit the wheel of the vehicle.

STEP 9: Repeat STEP 3 to STEP 8 to replace the second CV Joint on the axle. Remove the trestle and lower the vehicle to the ground.

USEFUL TIP 1:
AutoZone stocks a comprehensive range of quality approved Spirex Inner and Outer Constant Velocity Joints (CV Joints). Spirex CV Joints offer a one year or 30 000 kilometer warranty against manufacturing defects, from the date of invoice. Spirex CV Joints are manufactured according to the original vehicle manufacturer's specifications and come with a complimentary fitment instruction pamphlet.

USEFUL TIP 2:
Keep any excess CV Joint Grease, as this will be handy when lubricating brake calliper sliding pins (See Hints & Tips: Replacing Brake Pads). Inspect your vehicle's CV Joint boots on a regular basis as these become perished, torn, split and damage easily.