

Suzuki Sierra/Samurai CV Joint Removal

If your CV is leaking grease (see 1.1) or has oil dripping from it you will need to replace the axle oil seal. To do this you will need to remove the CV joint. It is best to buy a kit that contains new seals and king pin bearings. You may as well replace them all while you have the CV out.



1.1 Leaking CV

Removal

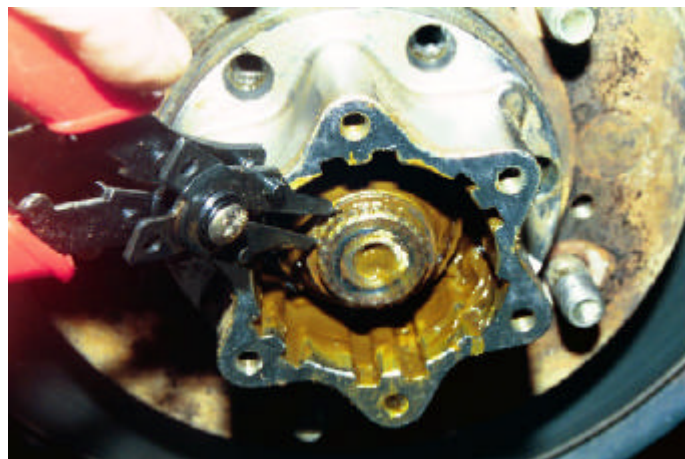
1. Loosen the wheel nuts then jack up the vehicle and put axle stands under the axle housing on each side. Remove the road wheels then, remove the disc brake calliper by undoing the two bolts at the back of the calliper. Tie the calliper to the top of the shock.

2. Remove the free wheeling hub outer cover. Undo the outer bolts first and remove the front of the hub. You will then need to remove the C clip (1.3) so you can take of the rest of the hub.



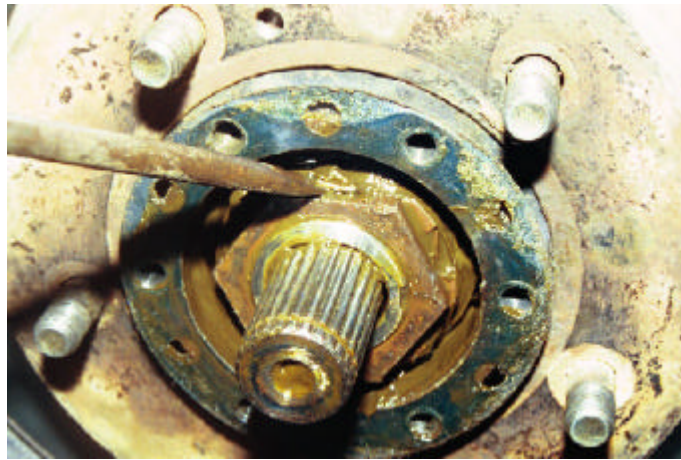
Undo these
6 bolts first

1.2 Remove free wheeling hub



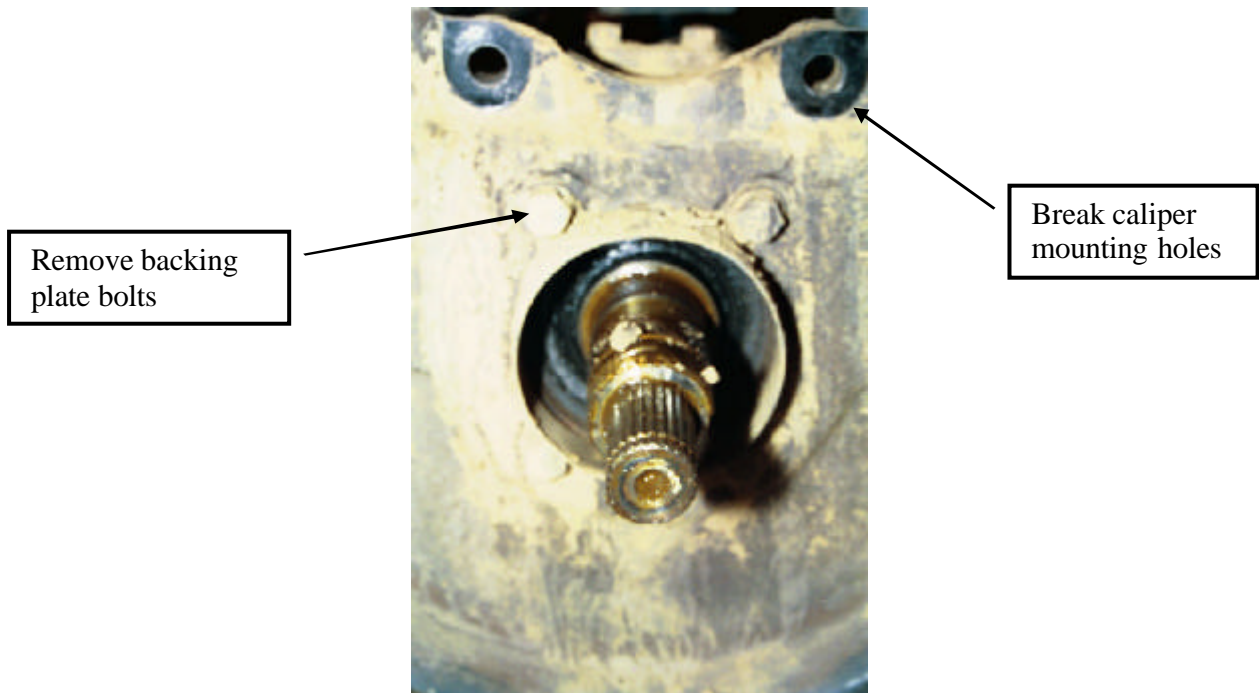
1.3 Remove the C clip and take of the rest of the hub

3. Bend the wheel bearing locking tab and undo the wheel bearing locknuts.



1.4 Remove the wheel bearing lock nuts

4. Undo the four bolts holding the back plate and spindle and take off the back plate.



1.5 Remove back plate

5. Mark the spindle so you can replace it in the same position. Also mark the king pins so they can also be reinstalled in the same position. *Use something that won't come off when you are cleaning the parts.*

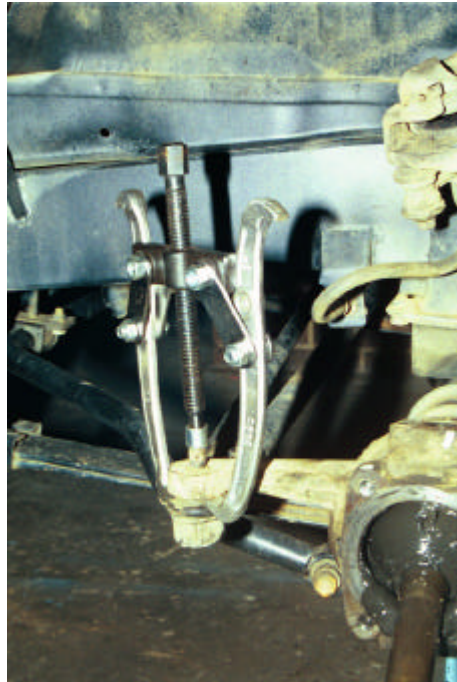


1.6 mark spindle and king pins before removal



1.7 Remove the spindle

6. Remove the diff oil but undoing the bottom plug in the diff housing.
7. Take out the split pin in the tie-rod nut remove the nut and separate the tie-rod from the steering knuckle with a wheel puller.



1.8 Separate the tie-rod from the steering knuckle

8. Remove the king pins and make sure you know which one is the top and which one is the bottom.
9. You can now take off the steering knuckle. If you are not replacing the king pin bearings be careful as the bottom bearing will fall out when you take off the steering knuckle.
10. Withdraw the CV and axle out and clean all the old grease off the CV and housing.

11. Carefully remove the axle seal. *Few all that work for that little seal!*



12. Once you have **thoroughly** cleaned all the grease off everything you can start reinstalling all the parts. **Use the correct type of grease suitable for CV joints.** Before you put the new seal in smear some grease around the outside of the seal. Use a large socket (25mm) to carefully tap the seal into place.
13. Re-pack the CV with grease and reinstall all parts. Put the new seals on over the CV housing before you start reassembly. Make sure you put the king pins in as marked and the same with the axle spindle.