

# Workshop 15

**Changing automatic free wheel hubs to Manual AVM's  
Nissan Terrano 2 / Mistral / Ford Maverick**



- 1: Remove wheel centre caps**
- 2: Remove all six Allen bolts from Auto Hub**



- 3: Remove Auto Hub**



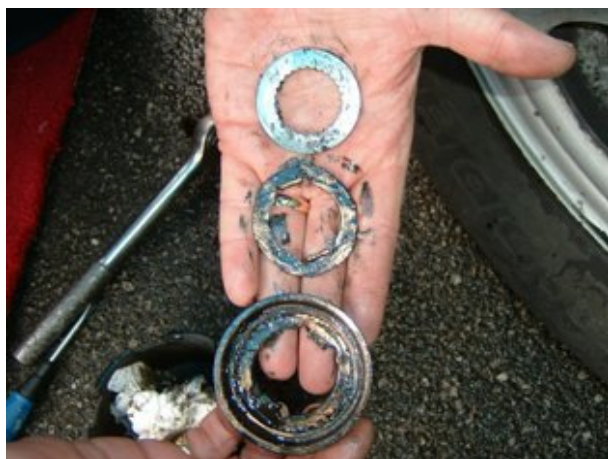
- 4: Remove Circlip (Expanding type circlip pliers needed)**



**5: Remove the two washers and snap-ring**



**Detailed view of the three parts to remove on driveshaft and as shown below**





**6: Refit first two washers and also circlip, making sure circlip seats in the shaft groove as shown below**



**7: Below you can see the manual hub complete and apart**







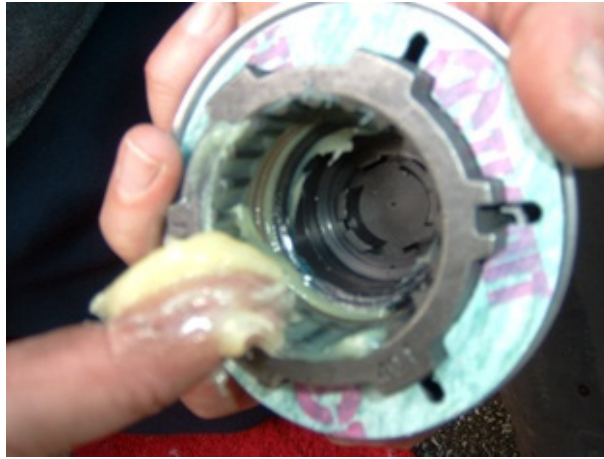
**8: Dry fit gasket to manual hub body**



**9: Above you can see the hub body and new bolts fitted**



**9: Torque all six new bolts to manufactures original auto hub specifications**



**10: Set Manual locker to 4WD setting and grease all inside including spring**



**11: Set manual locker to 2WD setting on hub prior to fitting as shown above**



**Not in 4WD as shown above now**



**12: Pack hub body with General high melting point grease**



**13: Now fit manual locker and tighten all six small Allen bolts, once tight the new manual hubs fitting is complete**



**14: See above wheel centre caps holes are now too small to go over manual hubs, you will need to widen the holes if you want to use them still**