

TORSION BAR ADJUSTMENT

NB - All torsion bar adjustments must be done with the vehicle raised off the ground and the front suspension hanging. Do NOT adjust the torsion bars with the vehicle wheels on the ground.

13. **Image E:** Park the vehicle on level ground and measure the vehicle's rim to guard measurements.
14. Use the torsion bar anchor arm adjusting bolt to raise or lower the vehicle's ride height, also to trim the vehicle from side to side, to the desired height.

FRONT SUSPENSION DROOP CHECK

15. To maintain good drive shaft, ball joint angles and to stop constant front suspension top out, it is important to check after adjusting the vehicle's ride height, that the vehicle has enough front wheel droop.

Generally, a vehicle must have a minimum of 50 to 70mm of downward wheel travel (droop)

16. **Image E:** Front suspension droop is checked by taking the vehicle's front rim to guard measurement, while the wheels are on the ground and noting it down.

Image F: Then raise the front until the wheels are off the ground and take another rim to guard measurement and note it down.

By subtracting the E image measurement from the F image measurement, the amount of droop will be obtained. Carry out any adjustment that may be required

17. All vehicles will require a headlight, front end alignment, and tyre pressure check after the fitment of new torsion bars.



OLD MAN EMU
4X4 SUSPENSION BY ARB