

IMPORTANT

Tow A Frame

Tow A Frame servicing

Full service to be carried out every two years or 10000 towed miles whichever sooner:

- Remove front of the vehicle and inspect CMS crash bar for damage or corrosion or fatigue
- Check and test screw in pins for damage wear or fatigue
- Check and test pump operation,
- Check and test breakaway cable unit operation
- Check and test universal joints
- Check and test A frame for wear damage or fatigue
- Check and Test Tow hitch for operation and wear
- Check and test Torque of hitch bolts (Bolt torque setting: 86 Nm)
- Check and test all vacuum pipes for leaks
- Check and test piston and cable tension and condition on brake actuator
- Check and test all electrics
- Check and test G sensor calibration
- Check and test function of the system
- Road test and report any defects

Safety check and test to be carried out yearly or 5000 towed miles whichever sooner:

- Check and test breakaway cable unit function
- Check and test universal joints and A frame for wear, damage, fatigue
- Check and test vacuum pipes for leaks
- Check and test piston and cable tension on brake pedal
- Check and test electrics and G sensor
- Check and test function of system
- Road test and report any defects

G sensor calibration

Motion Sensor must be mounted facing forwards but with the nose up between 5 degrees.

Calibration can be set up as follows:

- Connect the car up with the A frame electrics and connect to a suitable tow vehicle.
- Turn the electrical unit on in the Tow car (the silver switch), you must
- then get someone to depress the brake pedal in the motorhome and
- hold the brakes on while you set the calibration.
- In the Tow car - unscrew the securing screw on the sensitivity adjustment (the knurled Nut on the side) on the motion sensor (G force sensor) in the Tow vehicle and slide it towards the more sensitive position until you can hear the vacuum pump start working and the brake pedal depressing, stop there and then ease the sensitivity back towards the less sensitive position until the pump stops then from that position move it 1/8th inch back (approx. 3mm towards the less sensitive setting)
- Tighten the sensitivity screw until it is secure and locked in position
- *Safety* this should be checked every 1000 miles of towing or monthly to ensure correct sensitivity is set and test drive to check brakes are operating as expected and not dragging or too early in operation.