



Installation Manual

Differential Centre Break-In Procedure

WARNING: PLEASE READ ALL INSTRUCTIONS BEFORE PROCEEDING. RTS WILL NOT BE RESPONSIBLE FOR ANY DAMAGE AS A RESULT OF THE INCORRECT INSTALLATION OF THIS PRODUCT. IT IS RECOMMENDED THAT A QUALIFIED AUTOMOTIVE TECHNICIAN PERFORMS THIS INSTALLATION.

All new gear sets require a break-in period to prevent overheating damage. Any overloading or overheating will breakdown gear oil, which will cause the ring and pinion to fail. This can be determined by inspection and will void the gears' warranty.

Gear Oil Type

True Grip, Truetrac, Detroit Locker, gear type LSDs use SAE 80/90 gear oil.

Clutch pack style LSDs use LSD90 oil with an additional bottle of Friction Modifier to minimise clutch chatter. Additive is required even if the manufacturer states oil is compatible with limited slip diffs.

You will need approximately 2.1 litres of oil. Fill with **fresh oil** no matter how low mileage your used oil may be.

NOTE: Make certain the differential housing has an unobstructed breather, otherwise oil temperature will dramatically increase.

Required Break-In Procedure

1. No harsh acceleration for the first 500km
2. Drive vehicle 20km in stop start traffic, not exceeding speeds of 60km/h
3. Allow to cool down for 30 minutes
4. Drive vehicle 80km in stop start traffic, not exceeding speeds of 80km/h
5. Allow to cool down for 30 minutes
6. Repeat the above steps for a further 400km before driving at a constant 100km/h or for racing use
7. At the 500km mark we recommend removing the centre, cleaning out the housing and refitting, and refilling with fresh oil

Failure to follow the above procedure will void warranty. Taking the time to follow these steps will result in your investment lasting longer!