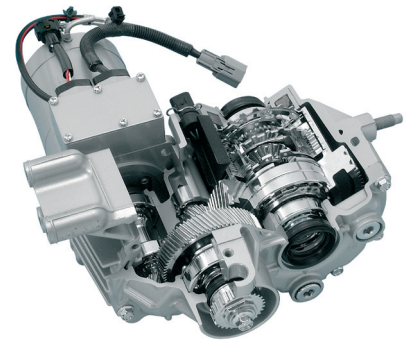




## Rear Drive Unit for Motor Assisted 4WD (M-4WD)

GKN Driveline's Rear Drive Module is a compact, lightweight gearbox with active controlled clutch for electric motor assisted AWD solutions. The simple interface allows to combine the gearbox with various E-motor technologies.



### Benefits

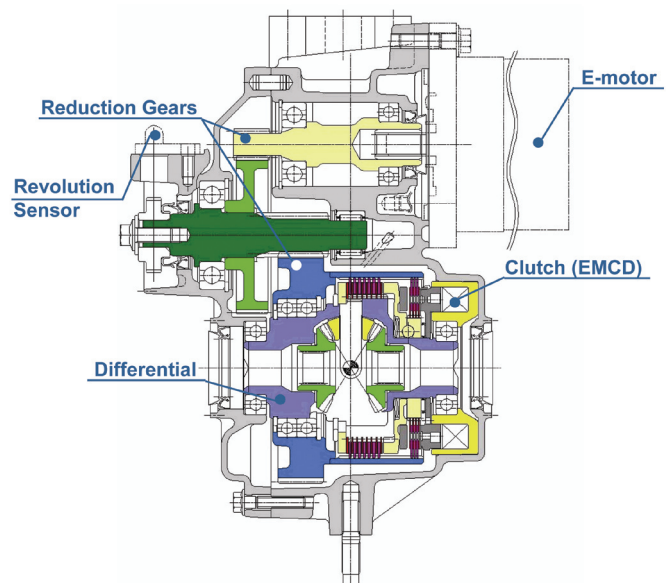
- > Simple integration of 4WD to FWD based vehicles (no power transfer unit or propshaft)
- > Modular concept with wide gear ratio and output torque range
- > Proven NVH capabilities using MTE (meshed transmission error) processes
- > Disconnect clutch with low current consumption and low drag torque
- > Compact lightweight design
- > In production since 2003

### Technical Features

- > Two stage for wide range of reduction gear ratio
- > Controlled disconnect clutch allows seamless switching from 4WD to 2WD mode
- > Output torque capacity up to 1200 Nm
- > Compact design for minimum packaging requirement
- > Differential gear for equal torque distribution to the wheels

### Operating Principle

- > The gearbox is used in on-demand rear axles driven by an electric motor
- > The E-motor torque is geared up to axle torque by a two stage reduction gear
- > When the E-motor is reaching its speed limit or the driver is selecting the 2WD mode, the controlled clutch disconnects the motor from the differential
- > The low drag torque of the disconnect clutch provides superior fuel efficiency of the E-AWD in 2WD mode



For further information please contact:

GKN Driveline Headquarters  
 PO Box 4128, Redditch, Worcestershire, B98 0AW, United Kingdom  
 Tel: +44 (0)1527 533660, Fax: +44 (0)1527 533615  
 Email: [info@gkndriveline.com](mailto:info@gkndriveline.com), [www.gkndriveline.com](http://www.gkndriveline.com)