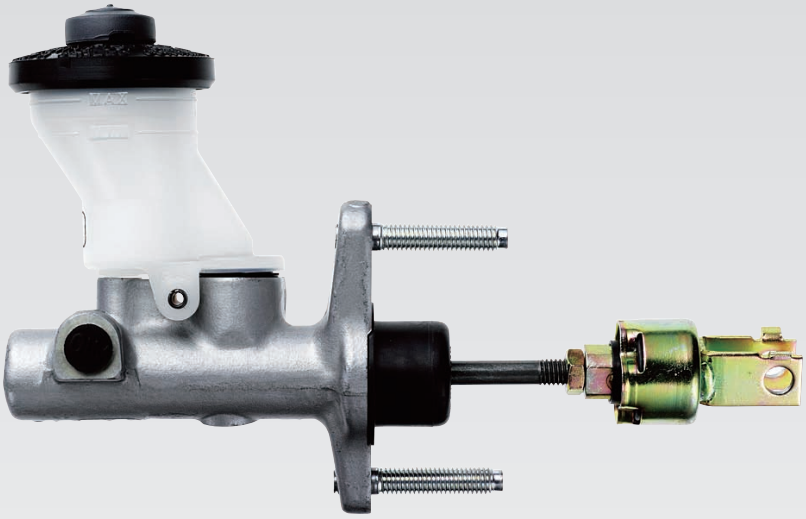
Clutch Hydraulics



CMC

CRC (CSC)

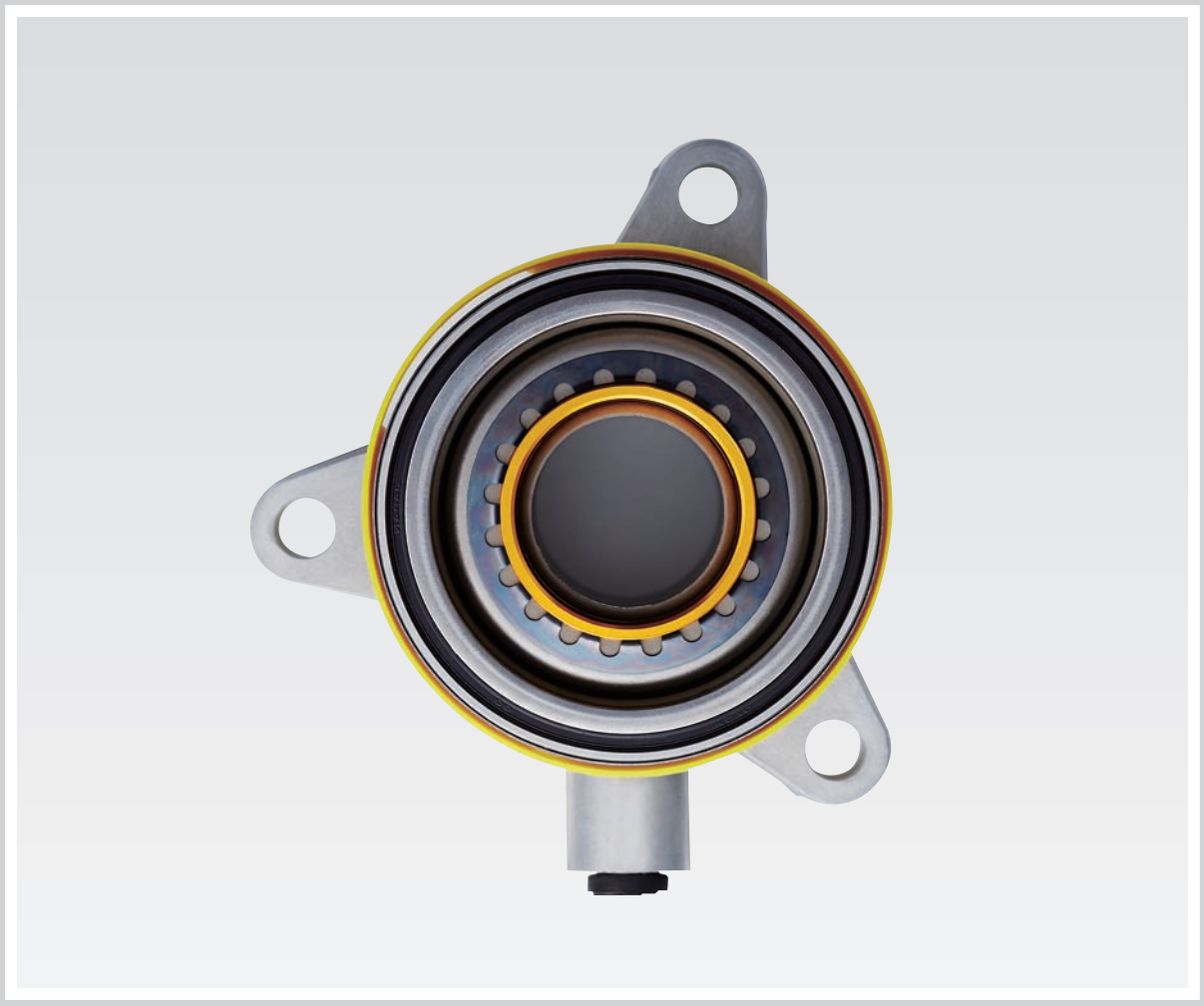
AISIN's original equipment technology and know-how is applied to design and engineer hydraulics. Each part is manufactured vehicle specific, ensuring product quality and reliability.

Features

- Precision honing of hydraulic cylinders are monitored under OE quality control standards.
- Anadizing and "Kanizen" plating of cylinder bodies strengthens surface, ensuring smooth operation of the piston, and resists corrosion.
- Heat resistant and extended life Ethylene Propylene Rubber (EPDM) seals prevent leakage.
- Quick response design reacts to driver's clutch and brake pedal input.

All weather peformance testing for vehicle Hydraulics

Concentric Slave Cylinder



· CSC has the function of clutch release cylinder and release bearing.
· Benefit of CSC clutch system
①Decrease the force on pedal
②Decrease stroke weight for disconnecting clucth
③Avoid degradation of quality due to friction coefficiant increase
④Reducing the number of component (Merge component)

Features

- AISIN's CSC has less loss stroke in CMC compared with other products. A clutch can be controlled with weaker pedal power

Free Wheel Hub

Engineered to exacting OE specifications, AISIN Free Wheel Hubs efficiently transfers and disconnects drivetrain power to part time 4 Wheel Drive applications. Compact in design and durable against the toughest terrain, AISIN Freewheel Hubs are manufactured to the highest standards and are always OE Matched.

Features

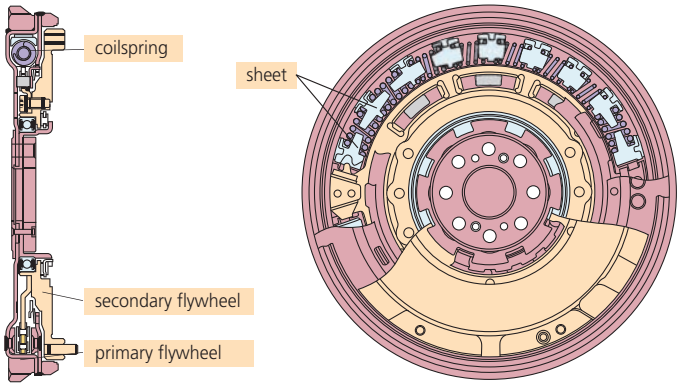
- Compact and durable design withstands the same rugged terrain tests performed by the vehicle manufactures.
- Robust locking mechanism provides reliable connection of the drivetrain power to the wheels in 4 Wheel Drive mode.
- Large manual dial allows the user to effortlessly change from 2 Wheel Drive to 4 Wheel Drive mode.

Flywheel Damper

Engineered to exacting OE specifications, AISIN Flywheel Dampers are designed to reduce torsional vibration created by diesel or high performance engine. Sometimes they are called Dual Mass Flywheel, AISIN Flywheel Dampers are always OE matched.

Features

- AISIN OE Engineering developed, the flywheel is divided into two portions, one for the engine (primary flywheel), and the other for the transmission (secondary flywheel).
- Between them, lightweight coilsprings are laid out in-line, with both ends of each coil spring supported by sheets.



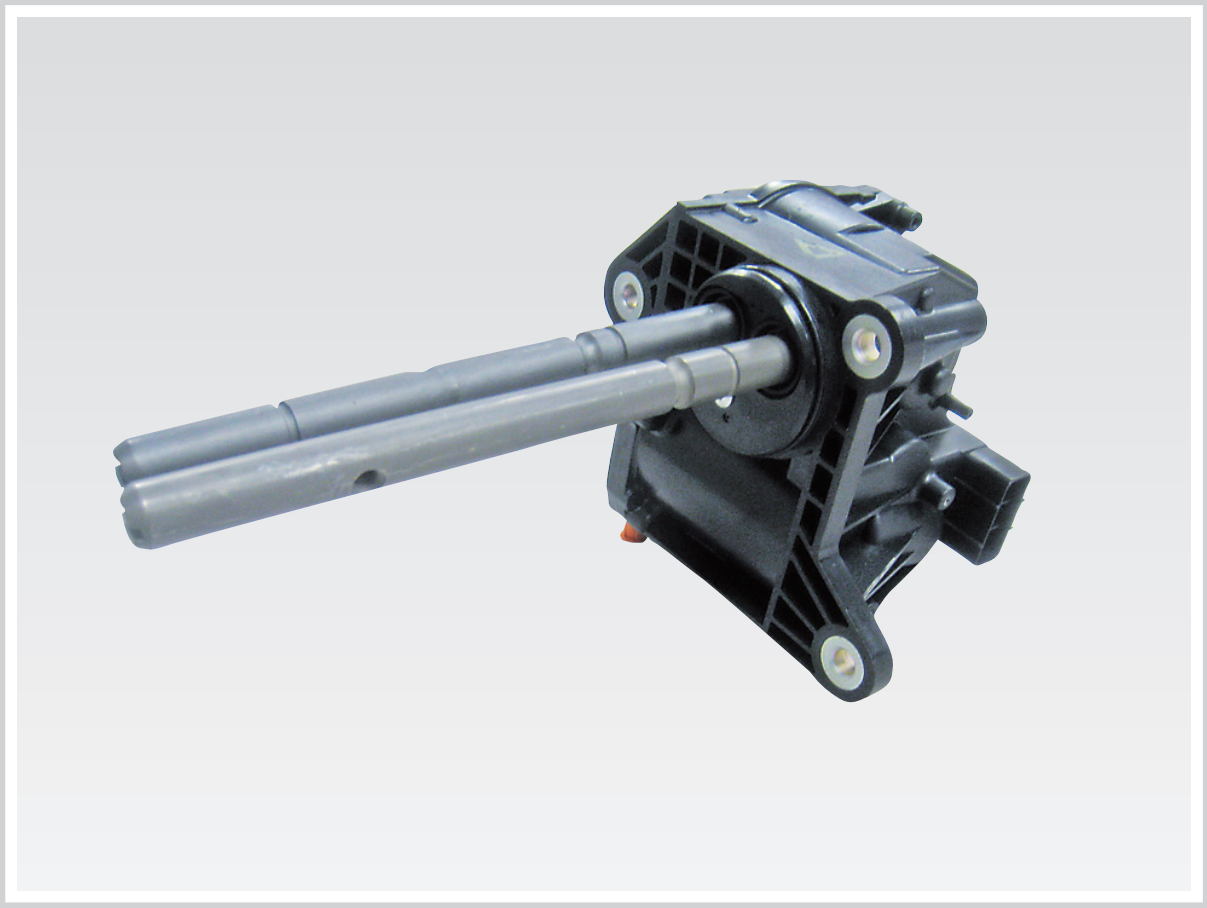
Height Control Sensor

Engineered to exacting OE specifications, AISIN Height Control Sensor is a vital component of the HID Automatic Light Leveling Control System.

Features

- It detects changes of pitching angle of the vehicle during driving, enables the HID system to adjust the headlight pitching angle accordingly to always aim at the targeted area.

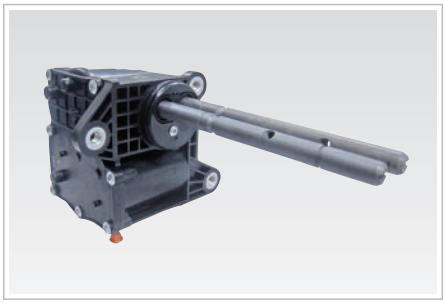
Motor Shift Actuator



Engineered to exacting OE specifications, AISIN Motor Shift Actuator alternates High-Low mode of the Transfer and Free-Lock mode of the Center Differential.

Features

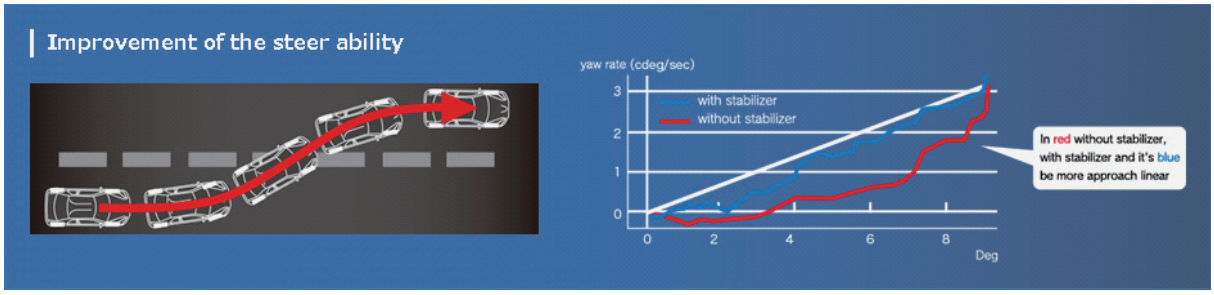
- With the build-in multiple switches, this device can detect and alternate the status of Transfer and Center Differential. It has dual motors to respectively control and alternate High-Low mode of the Transfer and Free-Lock mode of the Center Differential.



Door Stabilizer

Features

- It is filling the gaps in between door and body, and it reduce the delay of vehicle response during operation. It makes a quick response of the vehicle operation.



Finerevo Comfort Cushion

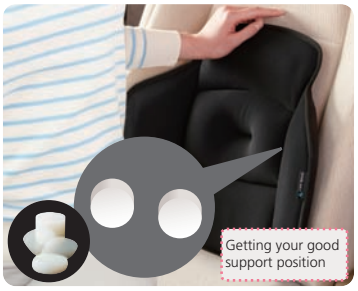
Features

- This comfort cusion can be maintain a good posture of its user.
  With the application Aisin Seiki's inovative resin-elastic "FINE REVO", it can offer a confortable ride to you.

Specifications

■Feeling of Fitting

Bony pelvis is well supported by Fine Revo, for a comfortable seating position.



■Feeling of Stability

Aisin is one of the leading suppliers of automobile seats. With the optimal design technology of Aisin, this cushion can fit on the seat and maintain its stable position.

Haneycomb knit Material