

ServiceFocus

Powertrain - FWD/RWD

Differential

Performs three functions:

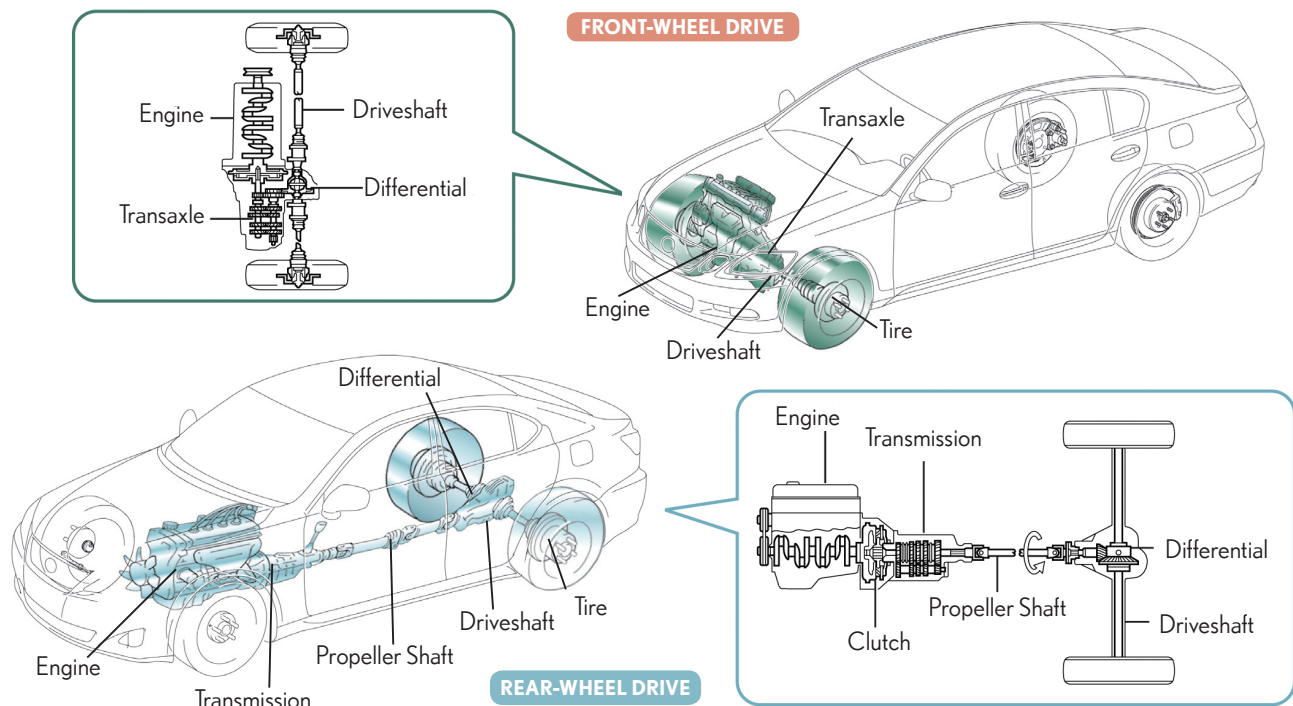
- Changes the direction of the driving power.
- Final gear reduction.
- Allows drive wheels to rotate at different speeds when cornering.

Driveshaft

Transmits power from the differential to the wheel.

Transaxle

A transaxle is a transmission and differential combined into one unit, used in front-wheel drive vehicles.



Transmission

Uses gears to transmit power from the engine to the drive wheels. Selecting different gears changes the amount of power and torque transmitted.

Clutch

(manual transmission only)

The clutch either transmits or isolates the power from the engine to the drive wheels.

Propeller Shaft

On front engine rear-wheel drive vehicles, the propeller shaft transmits power from the transmission to the differential.

ServiceFocus

Powertrain 4WD/AWD

Differentials

Perform three functions:

- Change the direction of the driving power.
- Final gear reduction.
- Allow drive wheels to rotate at different speeds when cornering.

Driveshafts

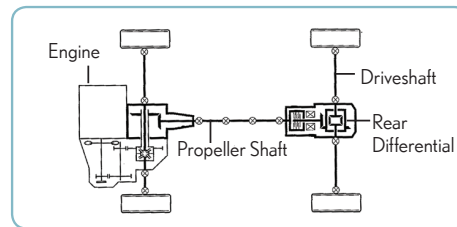
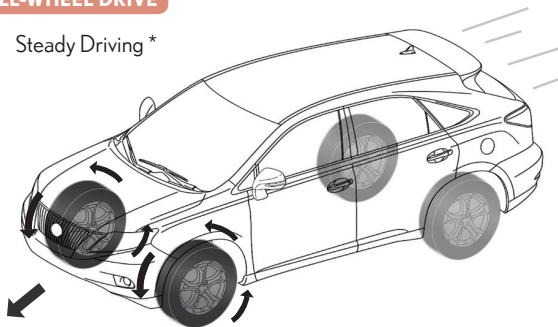
Transmit power from the differential to the wheel.

Transaxle

A transaxle is a transmission and differential combined into one unit, used in front-wheel drive and some all-wheel-drive vehicles.

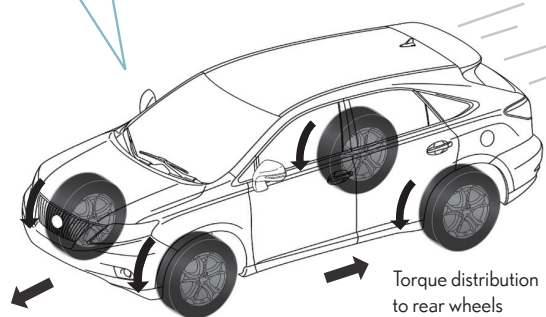
ALL-WHEEL DRIVE

Steady Driving *



AWD/FOUR-WHEEL DRIVE

Straight-line
Acceleration



Transmission

Uses gears to transmit power from the engine to the drive wheels. Selecting different gears changes the amount of power and torque transmitted.

Transfer Case

Receives power from the transmission and sends it to both the front and rear axles. Some models have driver selectable 2WD/4WD modes, some are full time 4WD and others are controlled automatically (AWD).

Propeller Shaft

On front engine rear-wheel or all-wheel-drive/four-wheel-drive vehicles, the propeller shaft transmits power from the transmission to the rear differential.

* Driven wheels will vary by model.

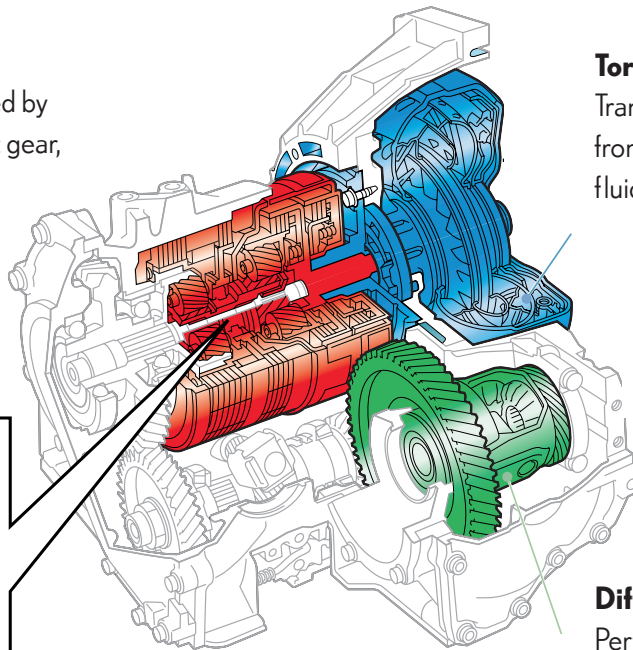
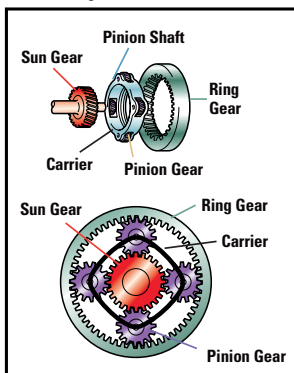
ServiceFocus

Automatic Transaxle

Planetary Gears

Gear shifting is performed by combinations of the input gear, output gear and the locking gear.

Planetary Gear Set



Torque Converter

Transmits and multiplies torque from the engine using transmission fluid as the medium.

Differential

Performs three functions:

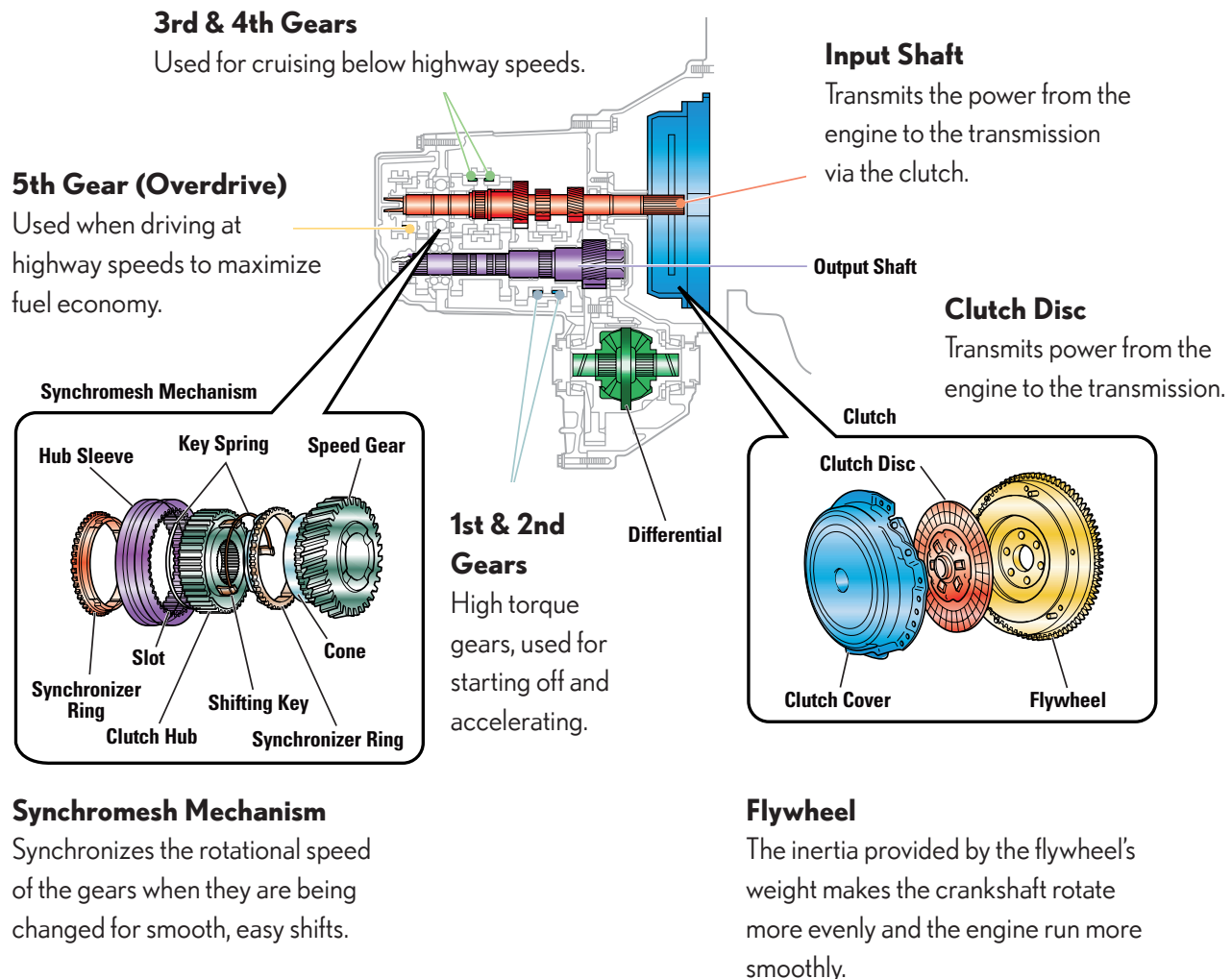
- Changes the direction of the driving power.
- Final gear reduction.
- Allows drive wheels to rotate at different speeds when cornering.

Transmission Fluid

Transmission fluid is an integral part of your automatic transaxle function. Check with your Service Advisor for recommended service intervals for your Lexus vehicle.

ServiceFocus

Manual Transaxle



ProductFocus

Manufacturer's Genuine Remanufactured Parts

What are they?

- A range of key parts that are "remanufactured" using Manufacturer's Genuine components.
- They are put through stringent performance tests to ensure "like new" performance and Manufacturer's Genuine Quality.
- They're virtually identical to the original part, giving you the perfect fit and uncompromised performance – guaranteed.

Why use them?

- Using remanufactured parts in place of new parts offers significant cost savings, without a loss of performance.
- Using remanufactured parts helps reduce our impact on the environment.
- Eliminates potential problems that often result from using aftermarket "should work" or "consolidated" units.
- Covered by a 12 month warranty with no kilometre restriction.
- "Rebuilt" is not "remanufactured." Aftermarket rebuilders typically repair or replace only the broken, worn or damaged components.
- Essential wear items are replaced with new Manufacturer's Genuine parts, regardless of their condition.
- Any other components that do not meet Lexus' specifications are also replaced with new parts.
- As part of the Lexus remanufacturing process, where appropriate, the latest design enhancements in Lexus technology and engineering are incorporated.



Brake Calipers



Starter



Alternator

Product Focus

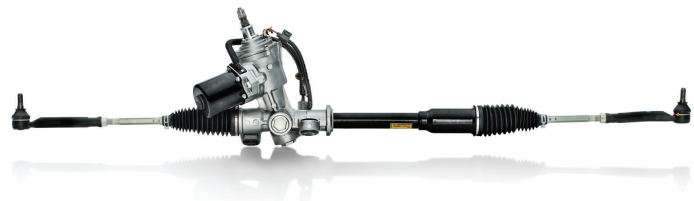
Manufacturer's Genuine Remanufactured Parts

Key Benefits

- Remanufacturing process is controlled and measured to exacting Lexus quality standards.
- Many components are cleaned and repainted for a like-new appearance and corrosion protection.
- All remanufactured products must pass stringent performance tests to ensure like-new performance and Manufacturer's Genuine Quality.
- A great economical alternative to new Manufacturer's Genuine Parts.



CV Axle Shaft

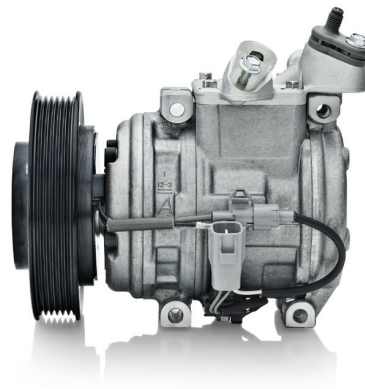


Steering Rack

Lexus Remanufactured Parts

The following are currently available for most model applications:

- Brake calipers
- Alternators
- Starters
- Steering racks
- CV axle shafts
- Transaxles
- A/C compressors



A/C Compressor