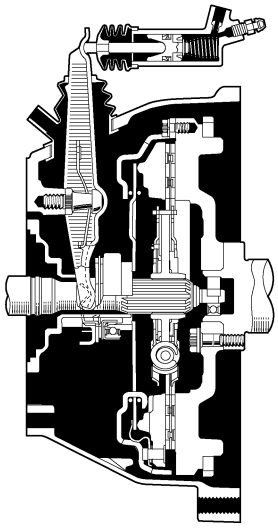
CHASSIS

CLUTCH

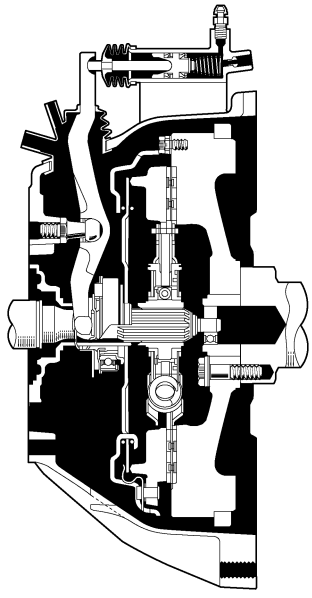
■ DESCRIPTION

The new Hiace has a clutch system with the following features.

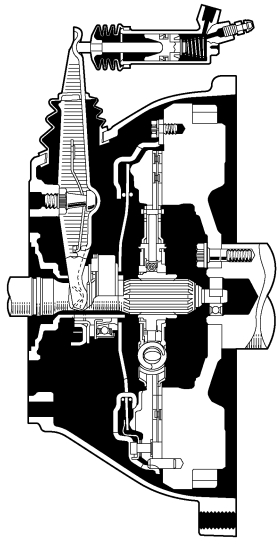
- A dry, single-plate clutch operated by hydraulic pressure, which is matched to the performance of each engine is used.
- A clutch master cylinder made of plastic is used.
- A clutch master cylinder has been placed in the front compartment.
- A clutch disc that uses an organic solvent-free material is used to help protect the environment. In addition, the components of the clutch damper have been optimized to realize wear resistance and reduce noise and vibration.
- A clutch accumulator is used on the clutch piping to reduce the noise and vibration on the 2KD-FTV and 5L-E engine models.
- A turnover mechanism, which reduces clutch pedal effort, is used.



2TR-FE Engine Model



2KD-FTV Engine Model



5L-E Engine Model

286CH01

▶ Specifications ◀

Model		New	Previous
Engine		2TR-FE	2RZ-E
Clutch	Type	Dry Type Single Plate Clutch Diaphragm Spring	←
	Operation	Hydraulic	←
Clutch Cover	Type	DST*1	←
	Size mm (in.)	250 (9.85)	236 (9.29)
	Installed Load N	5880	4900
Clutch Disc	Facing Size*2 mm (in.)	250 × 160 × 3.5 (9.85 × 6.30 × 0.14)	236 × 150 × 3.5 (9.29 × 5.91 × 0.14)
	Facing Area cm^2 ($in.^2$)	289 (44.8)	260 (40.3)
Master Cylinder	Type	Plunger	Conventional
	Cylinder Dia. mm (in.)	15.87 (0.62)	←
Release Cylinder	Type	Non-Adjustable	←
	Cylinder Dia. mm (in.)	20.64 (0.81)	←
Clutch Accumulator		—	—
Clutch Pedal		Turnover	Conventional

*1: DST (Diaphragm Spring Turnover) *2: Outer Diameter × Inner Diameter × Thickness

Model		New	New	Previous
Engine		2KD-FTV	5L-E	5L, 5L-E
Clutch	Type	Dry Type Single Plate Clutch Diaphragm Spring	←	←
	Operation	Hydraulic	←	←
Clutch Cover	Type	DST*1	←	←
	Size mm (in.)	260 (10.23)	236 (9.29)	←
	Installed Load N	6370	4900	←
Clutch Disc	Facing Size*2 mm (in.)	260 × 170 × 3.5 (10.23 × 6.69 × 0.14)	236 × 150 × 3.5 (9.29 × 5.91 × 0.14)	←
	Facing Area cm^2 ($in.^2$)	303 (47.1)	260 (40.3)	←
Master Cylinder	Type	Plunger	←	Conventional
	Cylinder Dia. mm (in.)	15.87 (0.62)	←	←
Release Cylinder	Type	Non-Adjustable	←	←
	Cylinder Dia. mm (in.)	20.64 (0.81)	20.64 (0.81)	←
Clutch Accumulator		with	←	←
Clutch Pedal		Turnover	←	Conventional

*1: DST (Diaphragm Spring Turnover) *2: Outer Diameter × Inner Diameter × Thickness

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