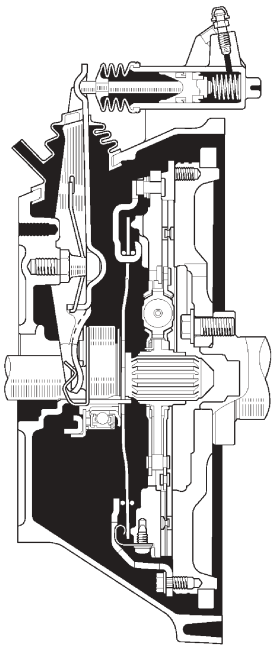
CHASSIS

CLUTCH

■ DESCRIPTION

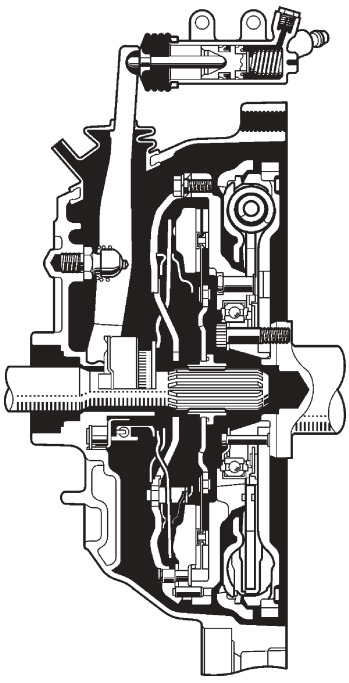
The new model has a clutch system with the following features.

- A dry, single-plate clutch operated by hydraulic pressure is used, which is matched to the performance of each engine.
- A clutch master cylinder made of plastic is used.
- To address environmental concerns, the clutch disc on the 1AZ-FE and 2AZ-FE engine models is made of an organic solvent-free material.
  In addition, the components of the clutch damper have been optimized to realize wear resistance and reduce noise and vibration.
- The self-adjusting type clutch cover is used to ensure a comfortable clutch feel on the 2AD-FTV and 2AD-FHV engine models.
- The clutch start system is available as optional equipment on the models with the smart entry & start system for Europe (see page BE-87).



185CH02

1AZ-FE Engine



288NF01C

2AD-FHV Engine

▶ Specifications ◀

Engine Type			1AZ-FE	2AZ-FE	2AD-FTV	2AD-FHV
Transaxle Type			E352F	E352, E359F	EA64F	←
Clutch	Type		Dry Type Single Plate, Diaphragm Spring	←	←	←
	Operation		Hydraulic	←	←	←
Clutch Cover	Type		DST*1	←	DST*1 with Self-adjusting	←
	Size	mm (in.)	287 (11.3)	←	280 (11.0)	←
	Installed Load	N	5400	5900	8800	10800
Clutch Disc	Facing Size*2	mm (in.)	236 x 150 x 3.5 (9.3 x 5.9 x 0.14)	←	240 x 155 x 3.5 (9.4 x 6.1 x 0.14)	←
	Facing Area	cm^2 ($in.^2$)	260 (41.6)	←	264 (42.2)	←
Master Cylinder	Type		Plunger	←	←	←
	Cylinder Dia.	mm (in.)	15.87 (0.62)	←	←	←
Release Cylinder	Type		Non-adjustable	←	←	←
	Cylinder Dia.	mm (in.)	20.64 (0.81)	22.20 (0.87)	20.64 (0.81)	←
Clutch Accumulator			Without	With	Without	←
Clutch Pedal			Turnover	←	←	←
Clutch Start System			Option	—	Option	←

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

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