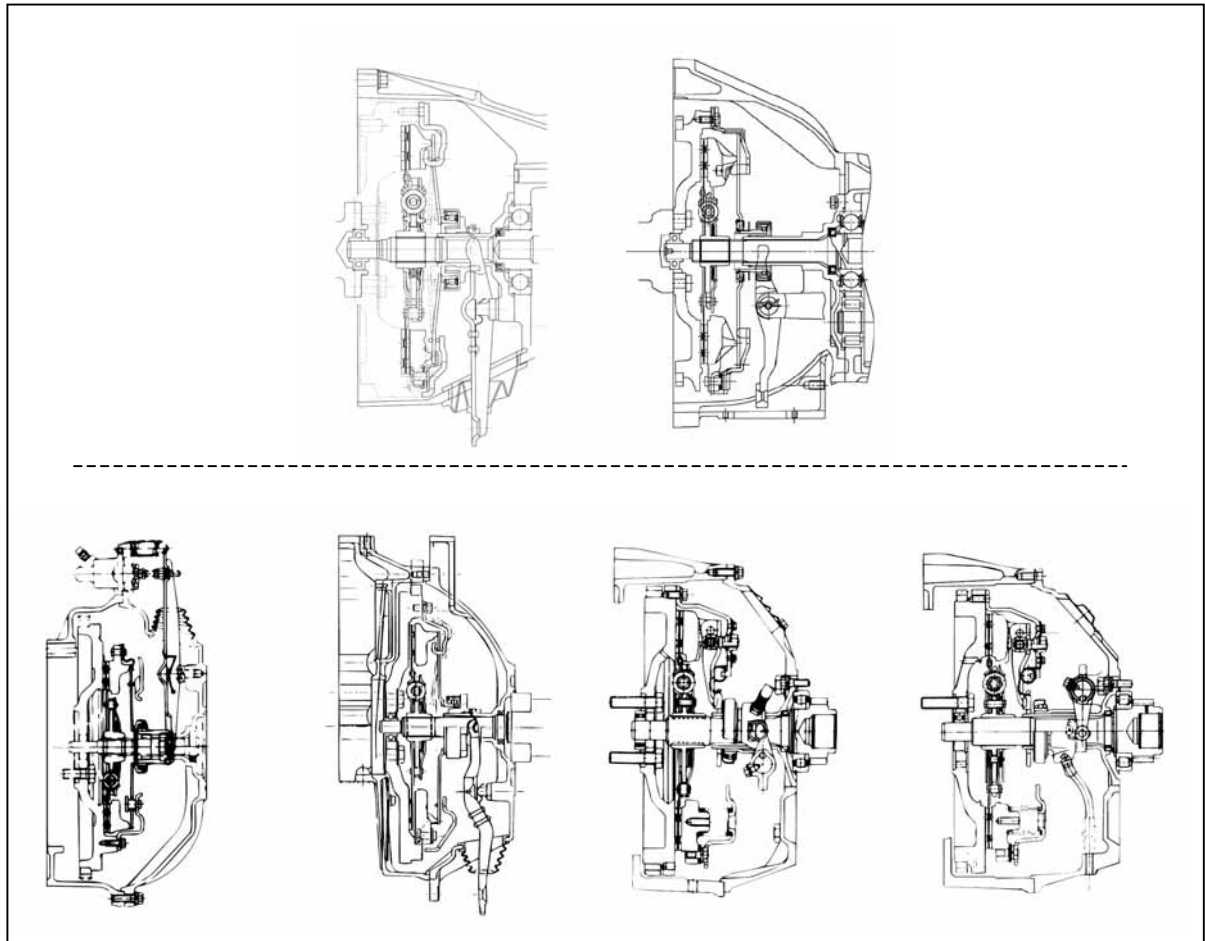


CLUTCH



ISUZU
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GENERAL DESCRIPTION OF A CLUTCH

The clutch in general permits the gradual transmission of engine power to the driven wheels, when starting the automobile from a stand still, without lowering the rotative speed of the engine. It also serves to connect and disconnect the transmission to and from the engine, so that gearshifting can be carried out while the transmission is in the no-load condition.

PURPOSE OF INSTALLING A CLUTCH

- To facilitate engine starting.
- To set the vehicle in motion without grab or chatter.
- To ease gearshifting.
- To reduce the impact of the rotating power on the power train when the vehicle is in motion.
- To maintain the idling speed of the engine.

REQUIRED FUNCTIONS

- To engage and disengage the engine power.
- To synchronize the rotative speed of the engine with vehicle movement.

THE FOLLOWING CHARACTERISTICS ARE REQUIRED BY CLUTCHES FOR VEHICLES

- To allow positive, smooth and easy engagement and disengagement.
- Excellent heat conductivity qualities.
- Moment of inertia of the clutch should be reasonably small.
- The clutch should have sufficient capacity to transmit engine torque.
- The clutch should be simple in construction, positive in function with high resistance to wear, as well as being easy to service.

TYPES OF CLUTCHES

This manual is explained about the construction and function of the single-plate clutch (dry type) from section 2.

