OPERATION

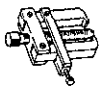
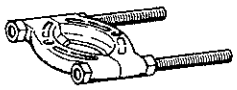
ST00R-04

When the ignition switch is turned to START position, current flows from terminal 50 to the coil of the solenoid and the plunger is pulled by the magnetic force of the coil. When the plunger is pulled to the left as shown above, the contact plate of the plunger allows current from the battery to flow directly from terminal 30 to the motor, and the starter rotates.
When the engine is running and the ignition switch is returned to ON, the magnetic force of the coil disappears and the contact plate of the plunger is returned to its original position by the return spring. Battery voltage no longer flows from terminal 30, so the motor stops.

PREPARATION

ST00S-02

SST (SPECIAL SERVICE TOOLS)

	09286–46011	Injection Pump Spline Shaft Puller	Armature bearing for 1.4 kW type Armature front bearing for 2.2 kW type
	09820–00030	Alternator Rear Bearing Replacer	Armature rear bearing for 1.4 kW type
	09950–00020	Bearing Remover	Armature rear bearing for 2.2 kW type

RECOMMENDED TOOLS

ST00T-01

	09082–00015	TOYOTA Electrical Tester	

EQUIPMENT

ST00U-01

Dial indicator	Commutator
Magnetic finger	
Pull scale	Brush spring
Sandpaper	Commutator
Torque wrench	
V–block	
Vernier calipers	Commutator, Brush