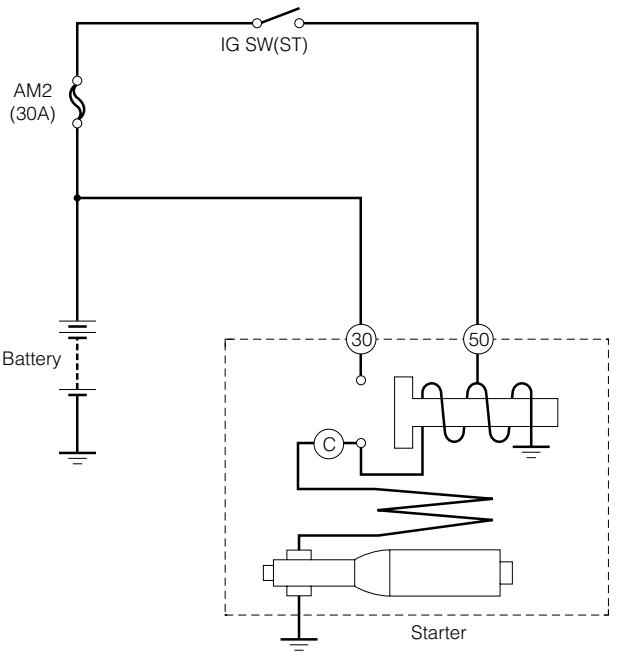
B11 STARTING SYSTEM/CHARGING SYSTEM

STARTING SYSTEM (1KR)

1 OUTLINE

1-1 CIRCUIT DIAGRAM



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2 CONSTRUCTION AND OPERATION

2-1 STARTER

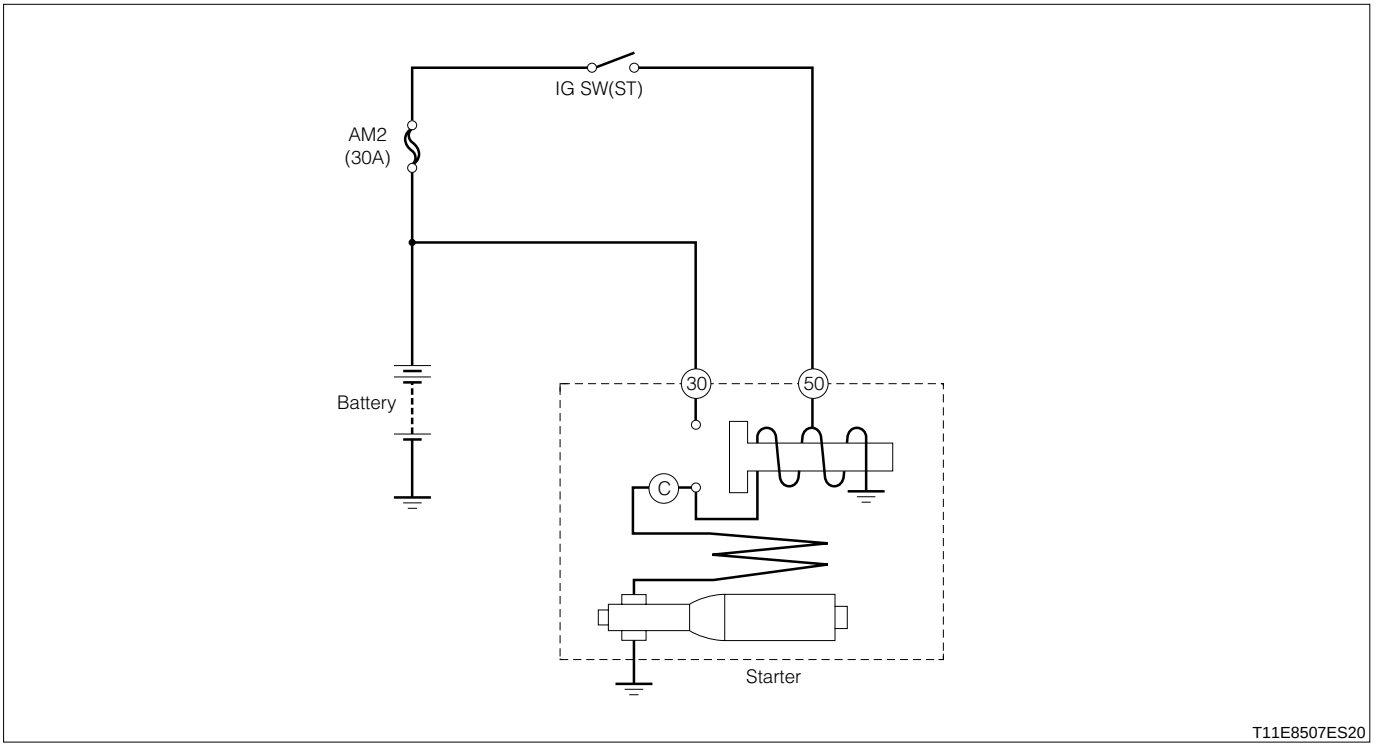
	Standard	Cold region
Rated output (kW)	0.7	1.0
Non-loaded characteristics	50 A or less [at time of 11.5 V] 6,000 rpm or more	90 A or less [at time of 11.5 V] 3,000 rpm or more
Number of pinion teeth	9	9
Rotating direction	Clockwise as viewed from pinion side	Clockwise as viewed from pinion side
Weight (kg)	3.25	3.15

STARTING SYSTEM (K3)

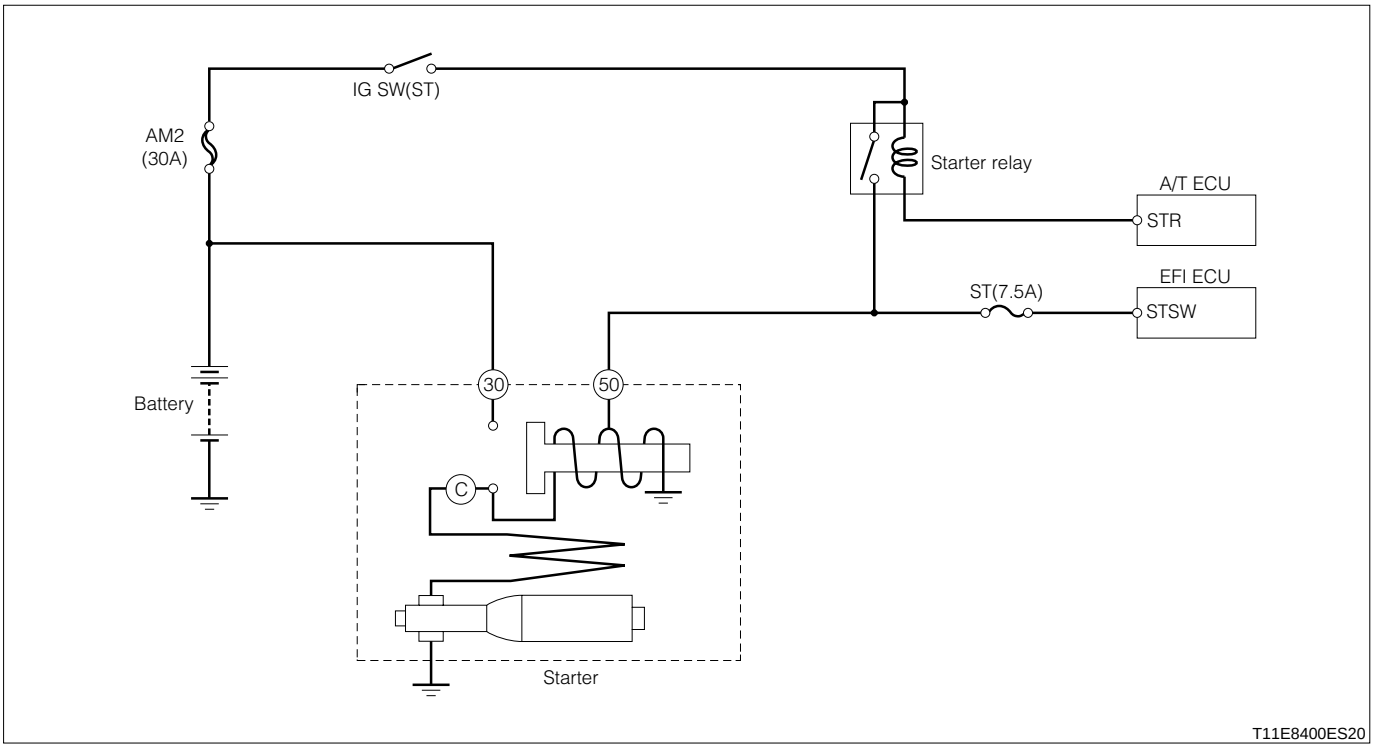
1 OUTLINE

1-1 CIRCUIT DIAGRAM

1-1-1 M/T VEHICLES



1-1-2 A/T VEHICLES



2 CONSTRUCTION AND OPERATION

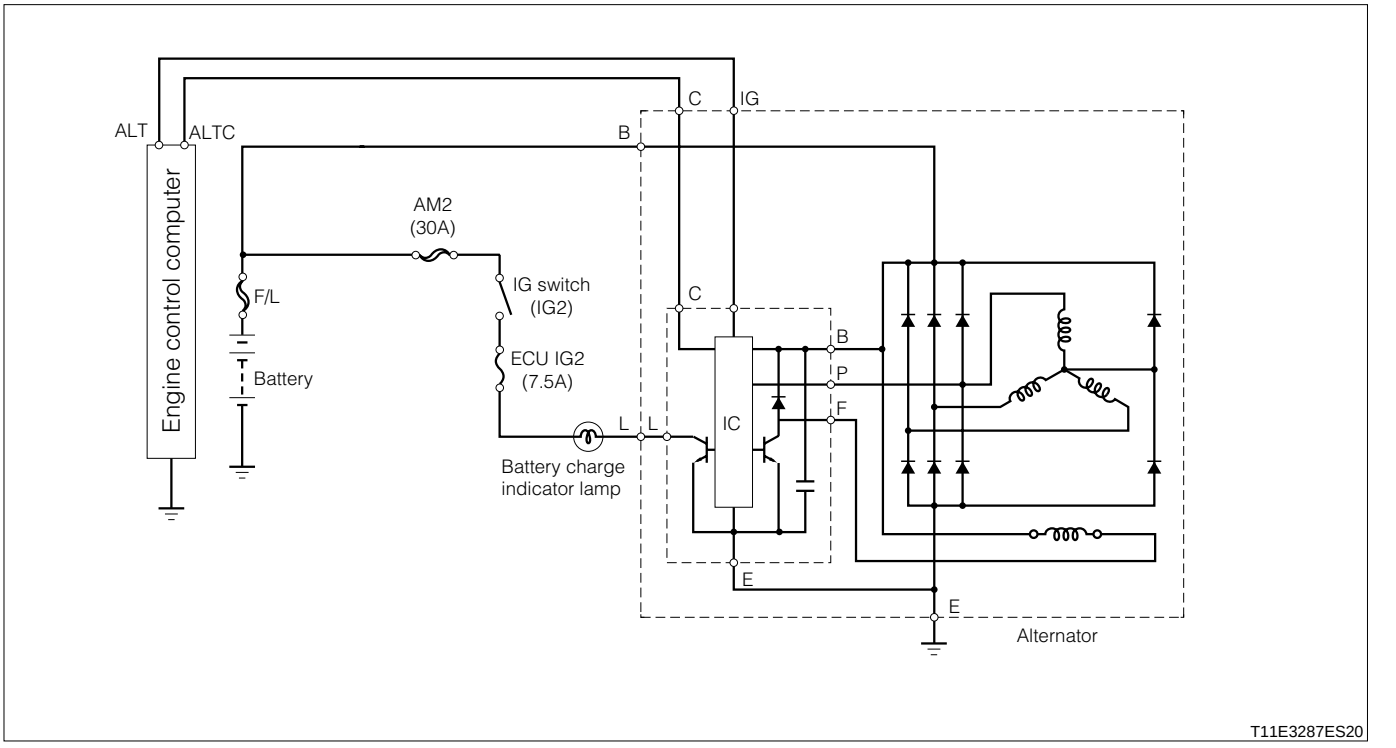
2-1 STARTER

	Standard	Cold region
Rated output (kW)	0.8	1.0
Non-loaded characteristics	50 A or less [at time of 11.5 V] 6,000 rpm or more	90 A or less [at time of 11.5 V] 3,000 rpm or more
Number of pinion teeth	8	8
Rotating direction	Clockwise as viewed from pinion side	Clockwise as viewed from pinion side
Weight (kg)	3.15	3.10

CHARGING SYSTEM (1KR)

1 OUTLINE

1-1 CIRCUIT DIAGRAM



2 CONSTRUCTION AND OPERATION

2-1 ALTERNATOR

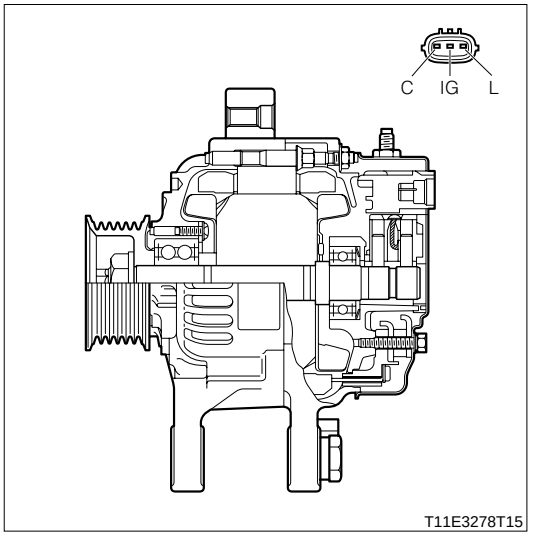
1.A small and light alternator with the built-in IC regulator and multi-step charging feature is adopted.

2.Use of the engine control computer makes it possible to conform to the control to switch the regulator adjusting voltage in 2 stages.

3.A six-groove pulley is adopted to correspond to the six-rib belt.

Alternator specifications

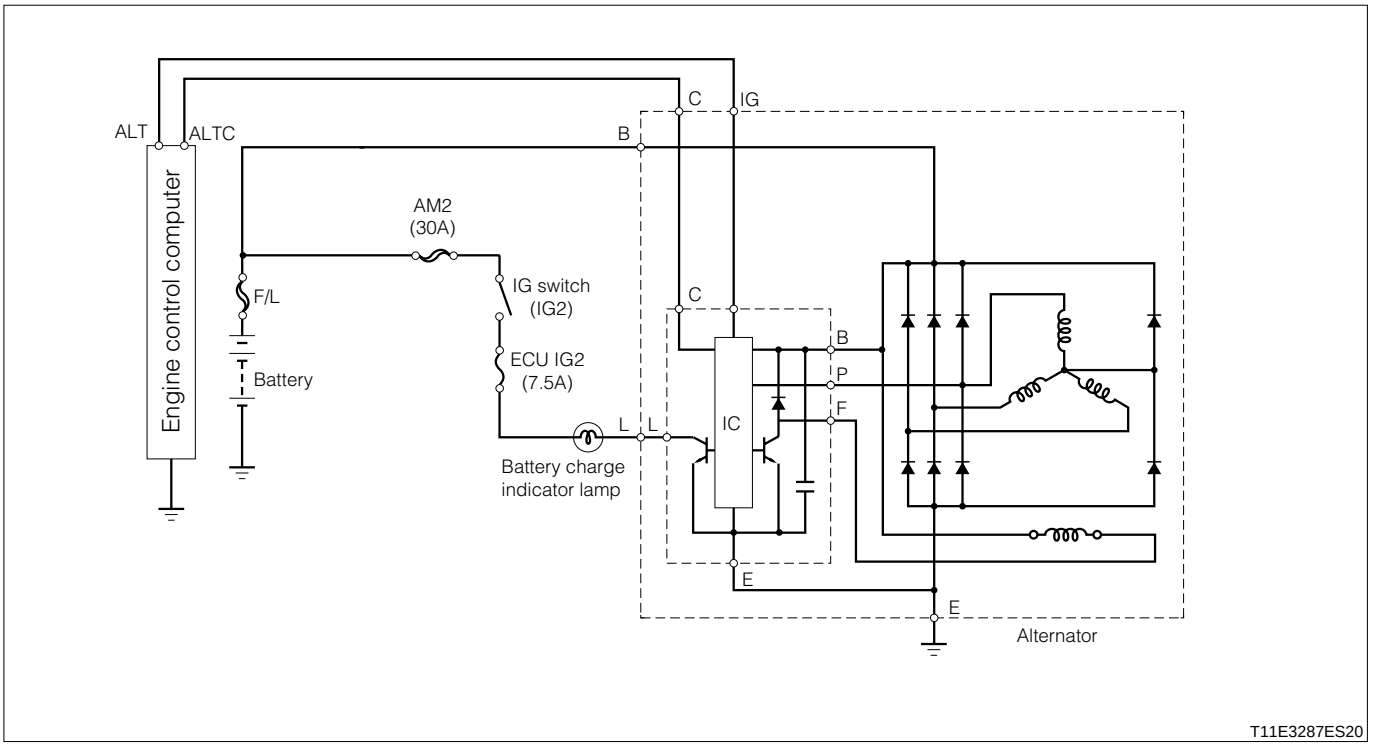
Rated voltage, maximum output (V−A)	12−65
Output characteristics [13.5 V,5,000 rpm] (A)	67.0 or more
Permissible maximum rotation speed (rpm)	18,000
Regulator regulation voltage [5,000rpm, 10A, 25−] (V)	Hi:14.2−14.8V Lo:12.5−13.1V
Rotating direction	Clockwise as viewed from pulley side
Pulley diameter (mm)	52.5 Dia.(Pulley outer diameter 57.7 mm Dia.)
Weight (kg)	3.30



CHARGING SYSTEM (K3)

1 OUTLINE

1-1 CIRCUIT DIAGRAM



2 CONSTRUCTION AND OPERATION

2-1 ALTERNATOR

1.A small and light alternator with the built-in IC regulator and multi-step charging feature is adopted.

2.Use of the engine control computer makes it possible to conform to the control to switch the regulator adjusting voltage in 2 stages.

Alternator specifications

Rated voltage, maximum output (V−A)	12−70
Output characteristics [13.5 V, 5,000 rpm] (A)	77.0 or more
Permissible maximum rotation speed (rpm)	18,000
Regulator regulation voltage [5,000rpm, 10A, 25℃] (V)	Hi:14.2−14.8V Lo:12.5−13.1V
Rotating direction	Clockwise as viewed from pulley side
Pulley diameter (mm)	55 Dia.
Weight (kg)	4.08