

CHARGING SYSTEM

1452-01

GENERAL INFORMATION

1. SPECIFICATIONS

Category		Specifications	Remarks
Battery	Capacity(ISG)	50 Ah(70 Ah)	-
	Type(ISG)	Maintenance free(AGM)	
	Size	206 * 175 * 190	
	Weight	13.5 Kg	
	Cold cranking ampere	500 A	
	Reserve capacity	80 min	
Alternator	Rated capacity	12 V / 120 A	

Modification basis	
Application basis	
Affected VIN	

OVERVIEW AND OPERATING PROCESS

1. OVERVIEW

The charging system is designed to supply electrical energy to the vehicle while driving, and supplies a constant direct current voltage by converting mechanical rotational movement to electrical energy.

The voltage regulator on the back of the alternator controls the generated voltage in all rotating ranges and adjusts the system voltage according to the electric load and ambient temperature change.

2. COMPONENTS

Alternator



Charge warning lamp on instrument cluster



Battery ground cable



Battery positive cable

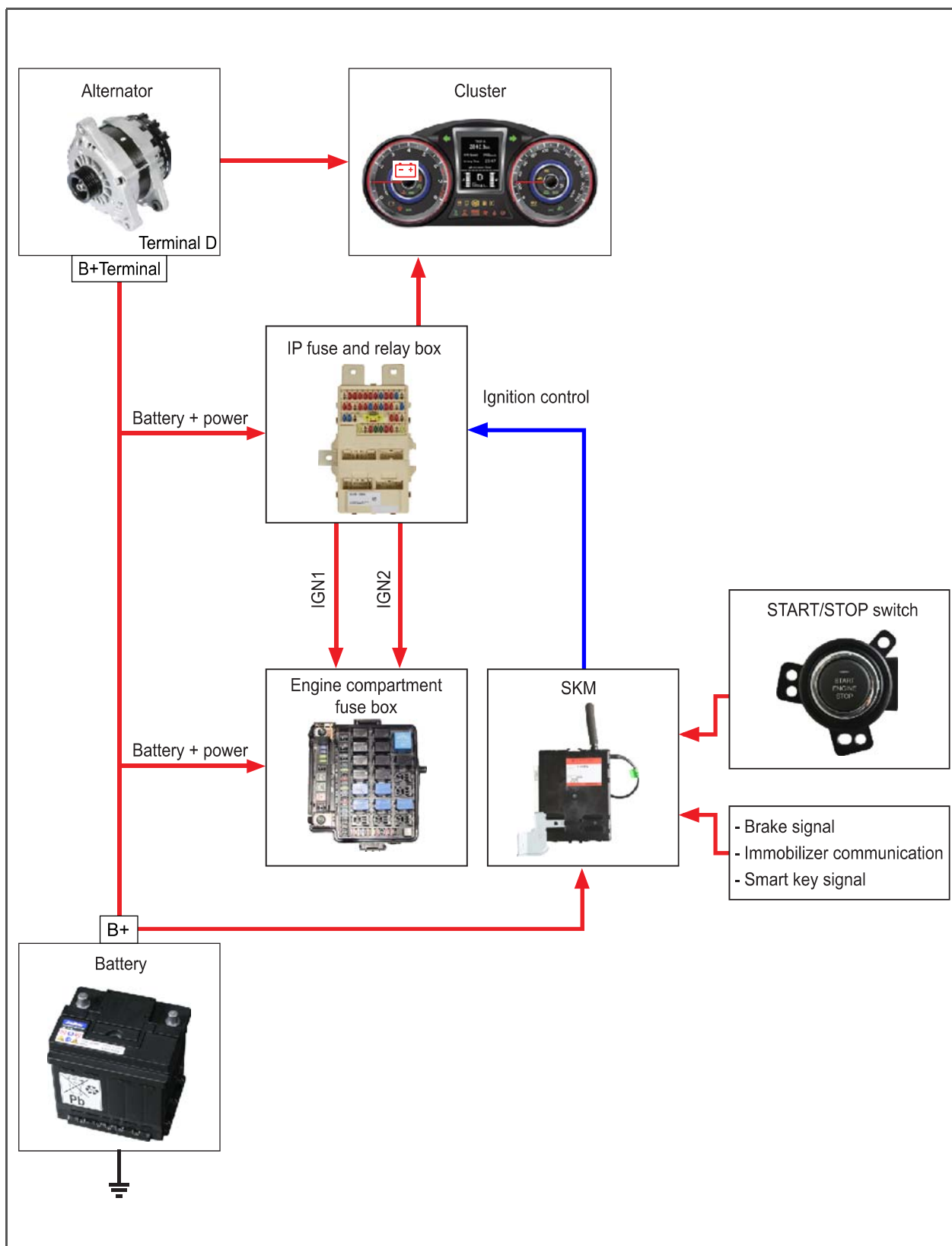


Battery



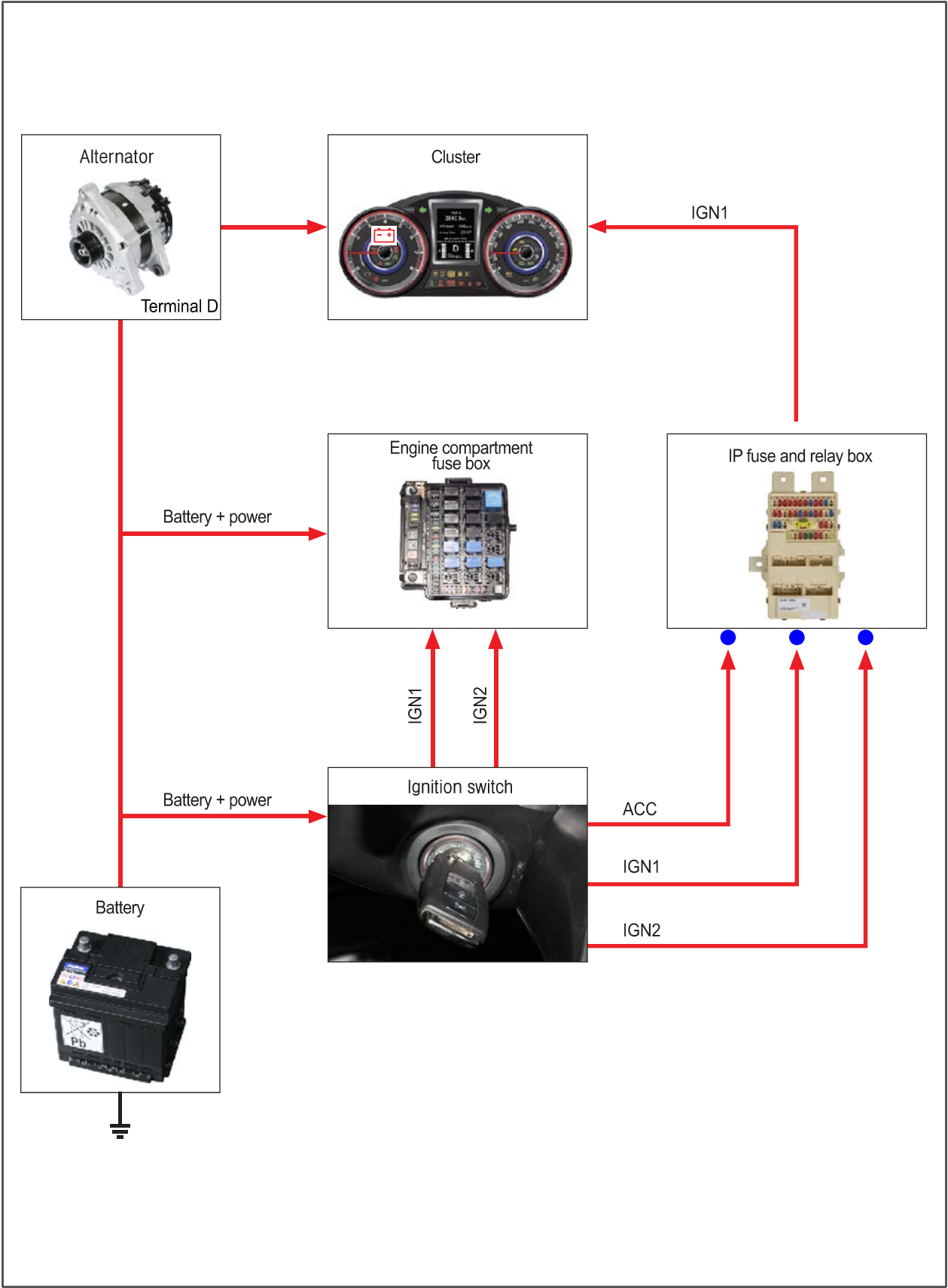
3. OPERATING PROCESS

1) For a vehicle with smart key



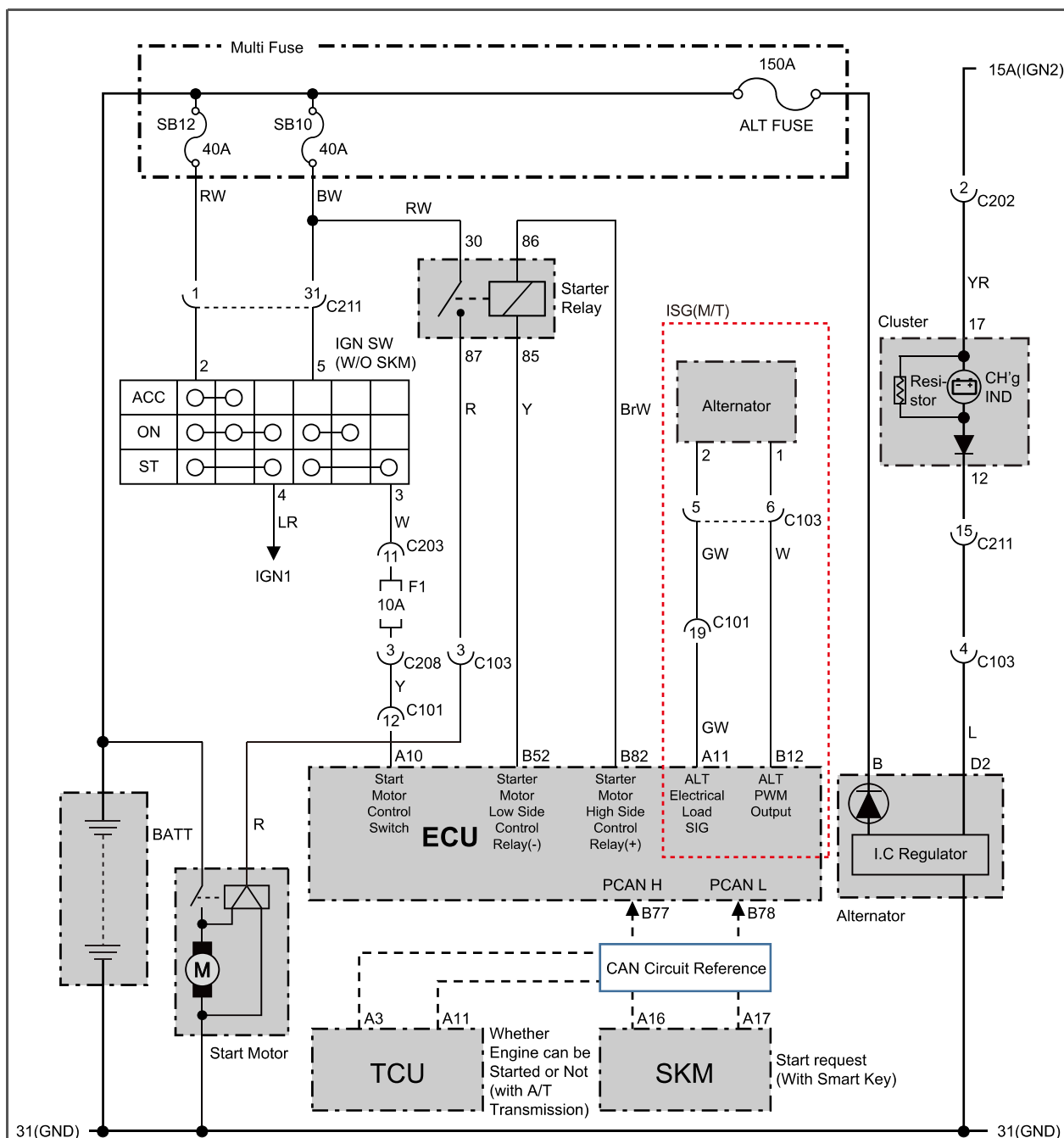
Modification basis	
Application basis	
Affected VIN	

2) For a vehicle with REKES key



Modification basis	
Application basis	
Affected VIN	

4. CIRCUIT DIAGRAM



NOTE

Charge warning light

When turning the ignition switch to ON position, the charge warning lamp comes on. The warning lamp goes off when the engine starts running. If the charge warning lamp comes on during the engine is running, the charging system is defective. The charge warning lamp comes on not only when the system voltage is too low or high but also when there are other faults.

Modification basis	
Application basis	
Affected VIN	