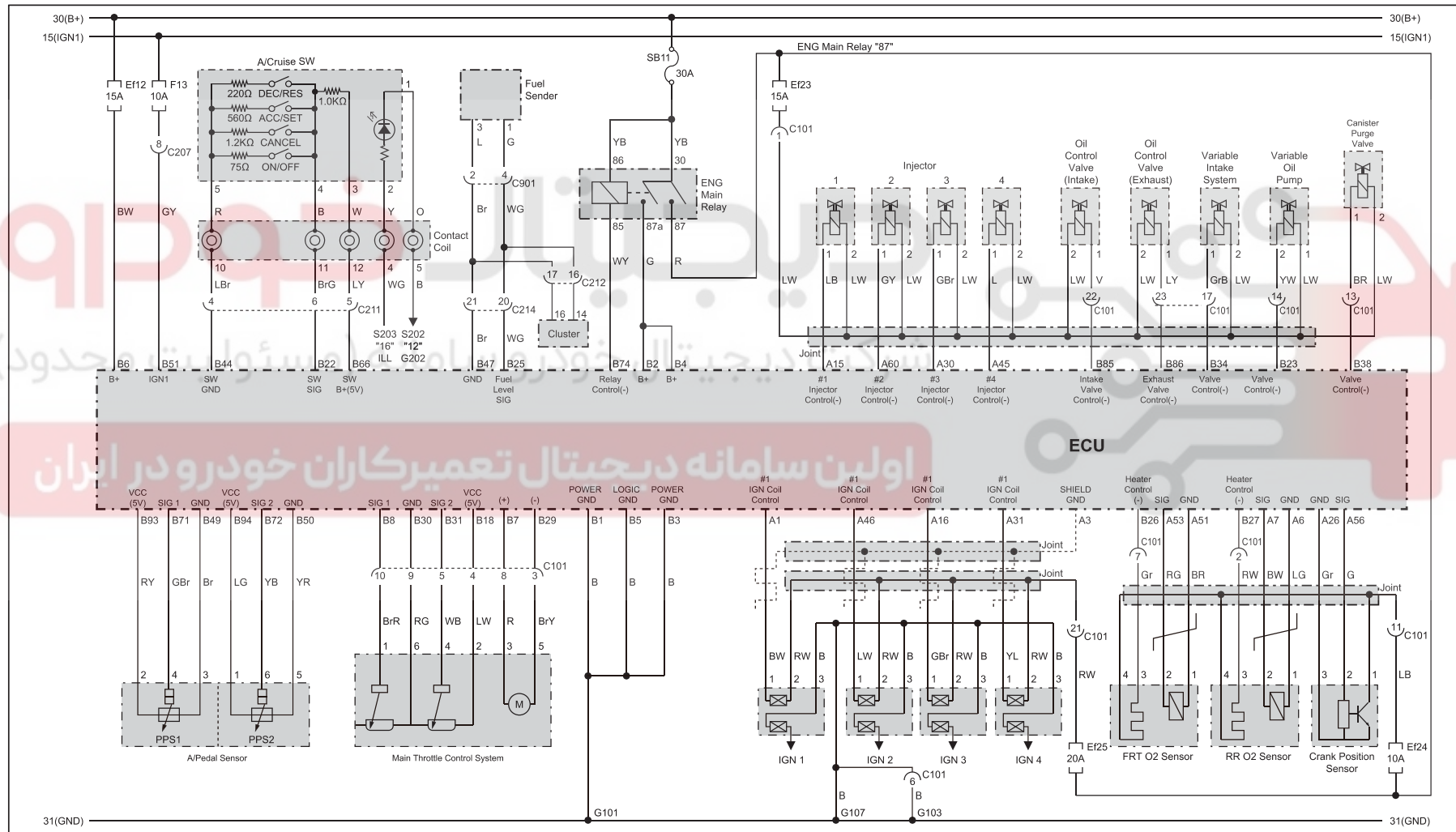


S.C.N. 1490-01 ECU(G16DF)

(1) ENGINE MAIN RELAY(INJECTOR, OIL CONTROL VALVE(INTAKE, EXHAUST), VARIABLE INTAKE SYSTEM, VARIABLE OIL PUMP, CANISTER PURGE VALVE, CANISTER SHUT-OFF VALVE, CRANK POSITION SENSOR, O2 SENSOR(FRT, RR), IGN COIL) A/PEDAL SENSOR, MAIN THROTTLE CONTROL SYSTEM, A/CRUISE SW



Modification basis	
Application basis	
Affected VIN	

CIRCUIT

TIVOLI 2015.06

04-10 1490-01

T I V O L I

1) CONNECTOR

Connector Number (Pin Number/Color)	Connecting Wiring Harness	Connector Position	Remark
C101	Black W/H Eng Main - W/H Eng Room	Under ECU Bracket	G16DF
C207	White W/H Eng Room - IP Fuse & Relay BOX	Front Side of IP Fuse & Relay Box	
C211	White W/H Eng Room - W/H IP (Main)	Inside of Driver Cowl Side	
C212	Black W/H IP (Main) - W/H Floor	Inside of Driver Cowl Side	
C214	White W/H Eng Room - W/H Floor	Inside of Driver Cowl Side	
C301	Black W/H Floor - W/H Fuel Sender	In front of Fuel Tank	

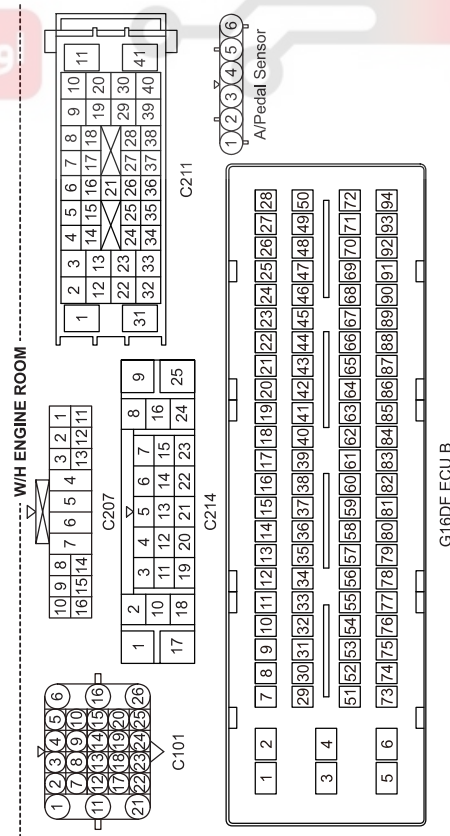
2) GROUND

Connector Number	Connecting Wiring Harness	Connecting Position	Remark
G101	W/H Eng Room	Frame Behind ECU	ECU
G103	W/H Eng Room	Above External Buzzer (front)	Theft deterrent horn, front end module, A/T TCU, M/T neutral switch
G107	W/H Engine main	Under cam position sensor (intake)	Ignition coil, A/C compressor
G202	W/H IP (Main)	Rear LH of IP (IP Panel Frame)	S202, S204

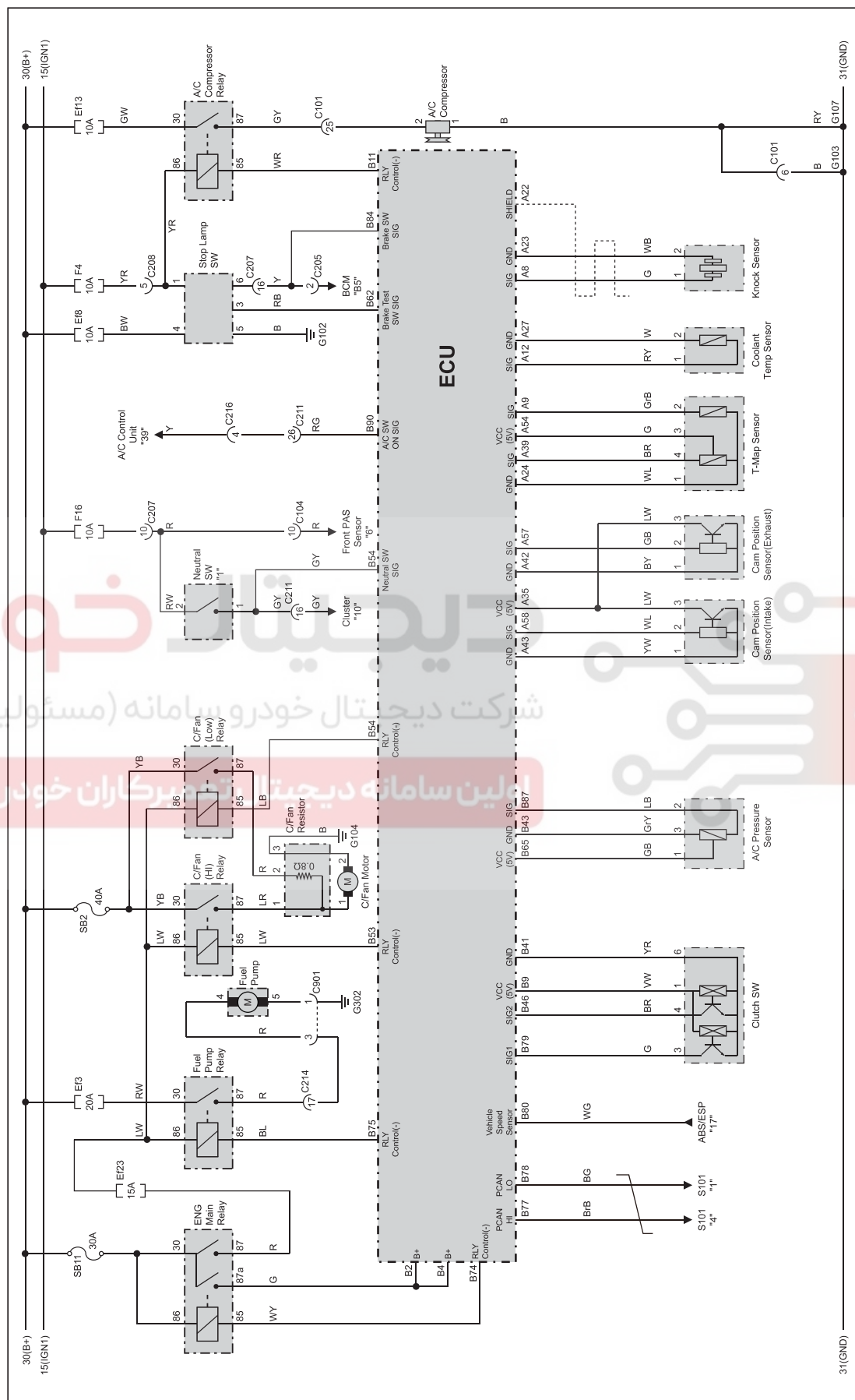
3) SPLICE PACK

Connector Number (Pin Number)	Connecting Wiring Harness	Connector Position	Remark
S202	20 W/H IP (Main)	Rear RH of IP	Ground, PCAN
S203	20 W/H IP (Main)	Rear LH of Front Passenger Air Bag	B+, room lamp

4) CONNECTOR IDENTIFICATION SYMBOL & PIN NUMBER POSITION



(2) ENGINE MAIN RELAY(FUEL PUMP RELAY, C/FAN (HI, LOW) RELAY), A/C COMPRESSOR SENSOR, STOP LAMP, A/C COMPRESSOR RELAY, CLUTCH SW, SENSOR(KNOCK, COOLANT TEMP, T-MAP, CAM POSITION, FUEL TANK PRESSURE, NEUTRAL SW)



Modification basis	
Application basis	
Affected VIN	

04-12

1490-01

T I V O L I

1) CONNECTOR

Connector Number (Pin Number/Color)	Connecting Wiring Harness	Connector Position	Remark
C101	W/H Eng Main - W/H Eng Room	Under ECU Bracket	G16DF
C104	W/H Front END Module - W/H Eng Room	Behind LH Fog Lamp	
C205	W/H IP (Main) - IP Fuse & Relay BOX	Back Side of IP Fuse & Relay Box	
C207	W/H Eng Room - IP Fuse & Relay BOX	Front Side of IP Fuse & Relay Box	
C208	W/H Eng Room - IP Fuse & Relay BOX	Front Side of IP Fuse & Relay Box	
C211	W/H Eng Room - W/H IP (Main)	Inside of Driver Cowl Side	
C214	W/H Eng Room - W/H Floor	Inside of Driver Cowl Side	
C216	Colorless W/H IP (Main) - W/H Aircon	Inside of Driver Cowl Side	
C301	W/H Floor - W/H Fuel Sender	In front of Fuel Tank	

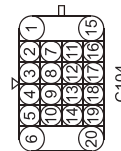
2) GROUND

Connector Number	Connecting Wiring Harness	Connecting Position	Remark
G102	W/H Eng Room	Above External Buzzer (back)	LH headlamp/side repeater, stop lamp switch, wiper motor
G103	W/H Eng Room	Above External Buzzer (front)	Theft deterrent horn, front end module, AT TCU, M/T neutral switch
G107	W/H Engine main	Under cam position sensor (intake)	Ignition coil, A/C compressor
G302	W/H Floor	Under Driver Seat	Rear LH door, driver door switch, driver seat/seat belt, fuel tank

3) SPLICE PACK

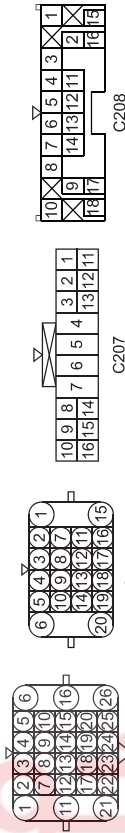
Connector Number (Pin Number)	Connecting Wiring Harness	Connector Position	Remark
S101	W/H Eng Room	Under Engine Room Fuse & Relay Box	PCAN

4) CONNECTOR IDENTIFICATION SYMBOL & PIN NUMBER POSITION



W/H FRONT END MODULE

W/H ENGINE ROOM



C104

C207

C208



C211

S101

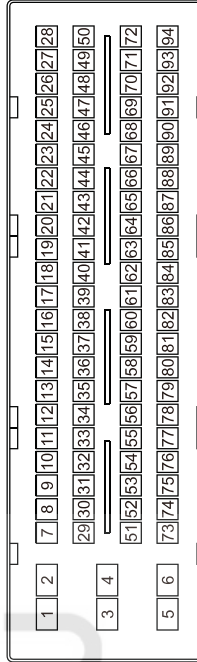
Cam Position
Sensor
(Intake/Exhaust)T-Map
SensorC/Fan
Resistor

C/Fan

Neutral SW (MT)

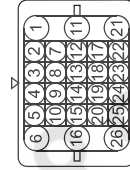
Knock
SensorCoolant Temp
Sensor

Clutch SW

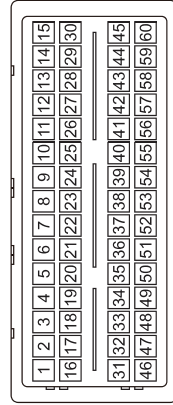
A/C Pressure
Sensor

Stop Lamp SW

W/H ENGINE MAIN



A/C Compressor



CIRCUIT

TIVOLI 2015.06

Modification basis

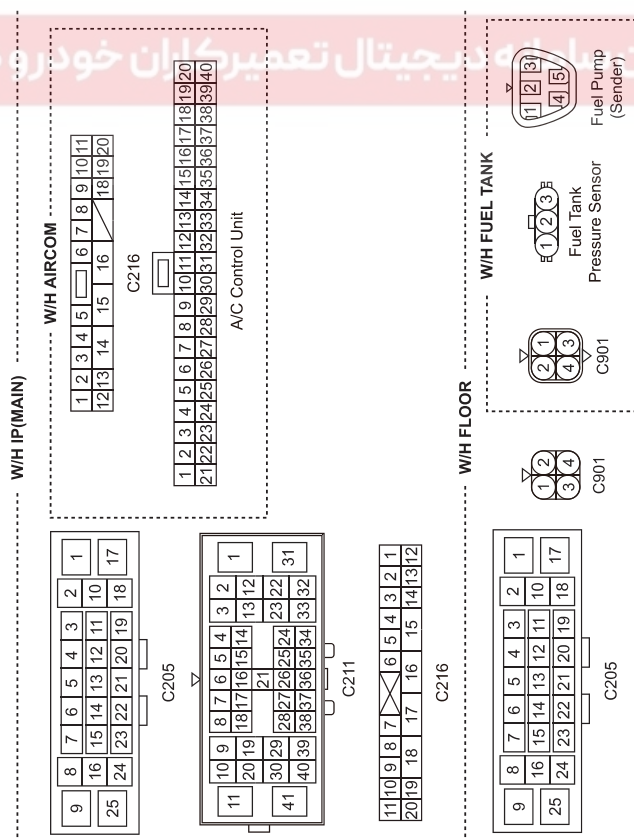
Application basis

Affected VIN

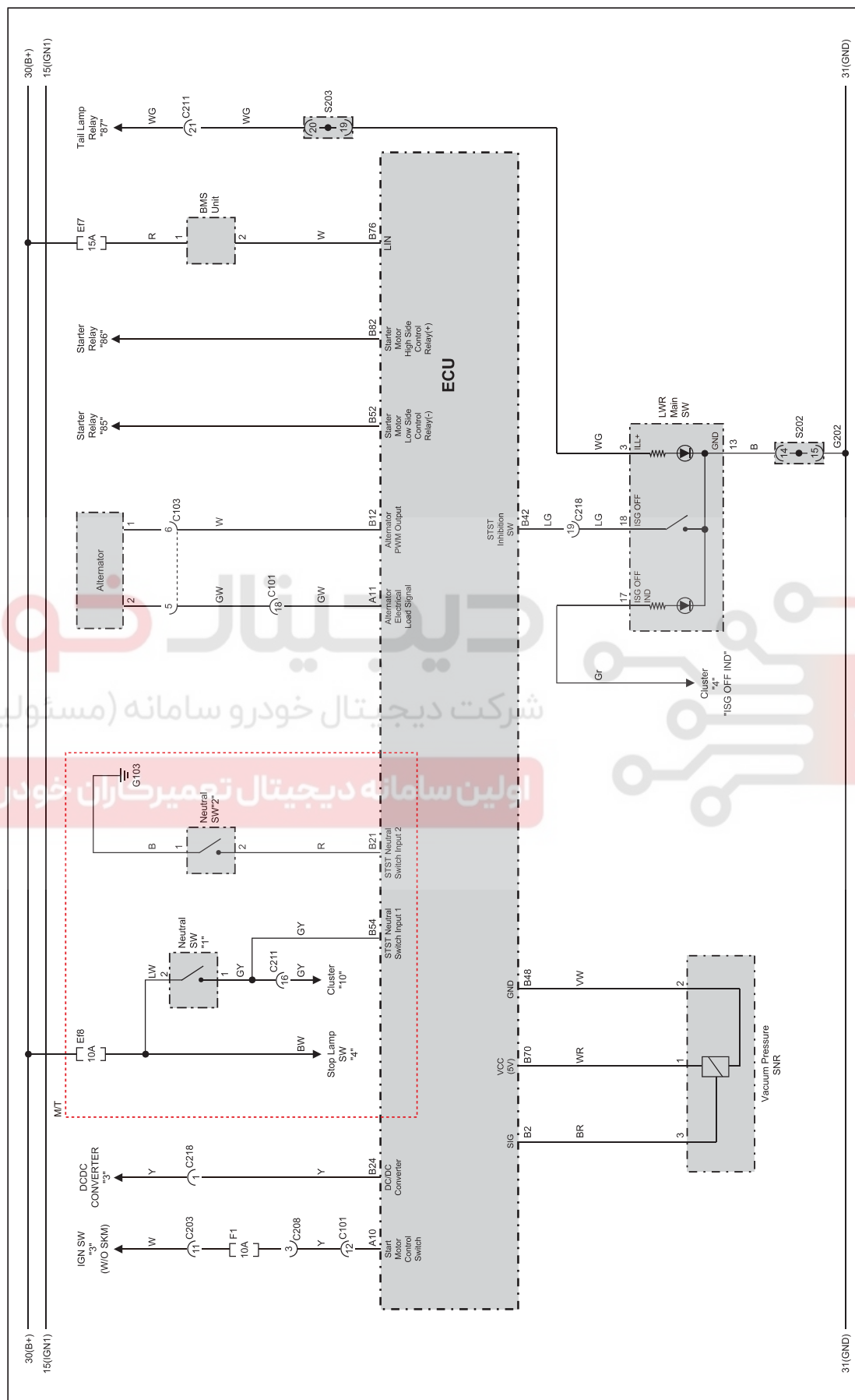
04-13

1490-01

T I V O L I

CIRCUIT
TIVOLI 2015.06

(3) ISG(DC/DC CONVERTER, ISG OFF SW, NEUTRAL SW, VACUUM PRESSURE SENSOR, BMS UNIT, ALTERNATOR), STARTER RELAY, IGN SW(W/O SKM)



Modification basis	
Application basis	
Affected VIN	

1) CONNECTOR

Connector Number (Pin Number/Color)	Connecting Wiring Harness	Connector Position	Remark
C101	Black W/H Eng Main - W/H Eng Room	Under ECU Bracket	G16DF
C103	Black W/H Eng Compartment - W/H BATT	Under Battery Tray	ISG
C203	White W/H IP (Main) - IP Fuse & Relay BOX	Back Side of IP Fuse & Relay BOX	
C208	White W/H IP (Main) - IP Fuse & Relay BOX	Back Side of IP Fuse & Relay BOX	
C211	White W/H Eng Room - W/H IP (Main)	Inside of Driver Cowl Side	
C218	White W/H Eng Room - W/H IP (Main)	Inside of Front Passenger Cowl Side	

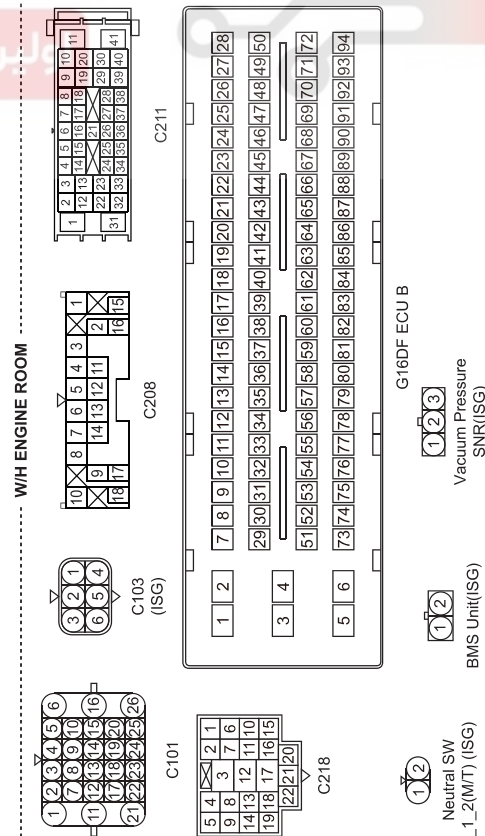
2) GROUND

Connector Number	Connecting Wiring Harness	Connecting Position	Remark
G103	W/H Eng Room	Above External Buzzer (front)	Theft deterrent horn, front end module, AT TCU, M/T neutral switch
G202	W/H IP (Main)	Rear LH of IP (IP Panel Frame)	S202, S204

3) SPLICE PACK

Connector Number (Pin Number)	Connecting Wiring Harness	Connector Position	Remark
S202	W/H IP (Main)	Rear RH of IP	Ground, PCAN
S203	W/H IP (Main)	Rear LH of Front Passenger Air Bag	B+, room lamp

4) CONNECTOR IDENTIFICATION SYMBOL & PIN NUMBER POSITION



Modification basis	
Application basis	
Affected VIN	