2009 KIA

Borrego

BUZZERS, RELAYS & TIMERS

BUZZERS, RELAYS & TIMERS LOCATION

Component	Location
A/C Comp Relay	In front area module (FAM). See **Fig. 13**.
Adjustable Pedal Relay	Left end of dash. See **Fig. 37**.
C/Fan High Relay	In engine room junction box. See **Fig. 16**.
C/Fan Low Relay	In engine room junction box. See **Fig. 16**.
DBC Relay	In engine room junction box. See **Fig. 16**.
External Buzzer	Left side of engine compartment. See **Fig. 9**.
Fuel Pump Relay	In front area module (FAM). See **Fig. 13**.
Main Relay	In front area module (FAM). See **Fig. 13**.
Rear Parking Assist Buzzer	Left end of dash. See **Fig. 50**.
Rear Seat Warmer Relay	Behind left quarterpanel. See **Fig. 66**.
Start Relay	In front area module (FAM). See **Fig. 13**.
Trailer Relay	In engine room junction box. See **Fig. 16**.

CIRCUIT PROTECTION DEVICES

CIRCUIT PROTECTION DEVICES LOCATION

Component	Location
Engine Room Junction Box	Right rear corner of engine compartment. See **Fig. 16**.
IPM (In-Panel Module)	Left end of dash. See **Fig. 33**.
PDM Relay Box	Left center of dash. See **Fig. 51**.
RAM (Rear Area Module)	Behind left quarterpanel. See **Fig. 67**.

CONTROL UNITS

CONTROL UNITS LOCATION

Component	Location
ABS Control Module	Left rear of engine compartment. See **Fig. 12**.
AC Inverter Module	Under front passenger's seat. See **Fig. 61**.
ATM Control Unit	Right side of transmission. See **Fig. 29**.
BCM	In front area module. See **Fig. 13**.
Door Module (Driver)	Center of driver's door. See **Fig. 82**.
Door Module (Passenger)	Center of front passenger's door. See **Fig. 84**.
ECM	Left rear corner of engine compartment. See **Fig. 11**.

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Electronic Brake Module	Left kick panel. See **Fig. 95**.
ESC Control Module	Left rear of engine compartment. See **Fig. 12**.
ESCL Controller	On steering column. See **Fig. 35**.
Immobilizer Module	Right center of dash. See **Fig. 47**.
IMS (Integrated Memory System) Control Module	Under driver's seat. See **Fig. 79**.
PDM	Left center of dash. See **Fig. 38**.
PODS Module	Under front passenger's seat. See **Fig. 60**.
Rear Parking Assist Control Module	Left rear corner of luggage compartment. See **Fig. 68**.
RSE Control Box	Under center console. See **Fig. 45**.
Seat Warmer Module (Driver)	Under driver's seat. See **Fig. 78**.
Seat Warmer Module (Passenger)	Under front passenger's seat. See **Fig. 81**.
Smart Key Control Module	Right side of dash. See **Fig. 41**.
SRS Control Module	Under rear of center console. See **Fig. 46**.
Sun Roof Module	In overhead console. See **Fig. 62**.
Tail Gate Control Module	Left side of tailgate. See **Fig. 91**.
TCM	Right rear corner of engine compartment. See **Fig. 10**.
Tilt & Telescopic Module	Left center of dash. See **Fig. 51**.
Tire Pressure Monitoring Module	Behind center of dash. See **Fig. 99**.
4WD ECM	Rear of transfer case. See **Fig. 30**.

MOTORS

MOTORS LOCATION

Component	Location
Adjustable Pedal Motor	Under left side of dash. See **Fig. 55**.
Blower Motor	Under right side of dash. See **Fig. 49**.
Cooling Fan	Front of engine compartment. See **Fig. 18**.
Door Lock Actuator (Driver)	Rear of driver's door. See **Fig. 86**.
Door Lock Actuator (Passenger)	Rear of front passenger's door. See **Fig. 87**.
Door Lock Actuator (Rear LH/RH)	Rear of respective rear door. See **Fig. 89**.
ETC Motor (3.8L)	On throttle body. See **Fig. 18**.
ETC Motor (4.6L)	On throttle body. See **Fig. 105**.
Free Running Differential Air Pump	Lower left front of engine compartment. See **Fig. 2**.
Fuel Sender & Fuel Pump Motor	Top of fuel tank. See **Fig. 75**.
Height Motor (Front)	Under driver's seat. See **Fig. 79**.
Height Motor (Rear)	Under driver's seat. See **Fig. 79**.
Intake Actuator	Top center of HVAC unit. See **Fig. 48**.
Lumbar Support Motor (Driver)	In driver's seat back. See **Fig. 78**.
Mode Actuator	Upper left side of HVAC unit. See **Fig. 47**.

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Outside Mirror Motor & Defogger (Driver)	Driver's door. See **Fig. 82**.
Outside Mirror Motor & Defogger (Passenger)	Front passenger's door. See **Fig. 84**.
Power Window Motor (Driver)	Center of driver's door. See **Fig. 83**.
Power Window Motor (Passenger)	Center of front passenger's door. See **Fig. 84**.
Rear Blower Motor	On rear A/C unit. See **Fig. 72**.
Rear Mode Actuator	On rear A/C unit. See **Fig. 72**.
Rear Power Window Motor (LH/RH)	Center of respective rear door. See **Fig. 88**.
Rear Temperature Actuator	On rear A/C unit. See **Fig. 72**.
Reclining Motor (Driver)	Under driver's seat. See **Fig. 78**.
Reclining Motor (Passenger)	Under front passenger's seat. See **Fig. 81**.
Slide Motor (Driver)	Under driver's seat. See **Fig. 79**.
Slide Motor (Passenger)	Under front passenger's seat. See **Fig. 81**.
Start Motor (3.8L)	Lower left side of engine. See **Fig. 25**.
Start Motor (4.6L)	Lower right rear of engine. See **Fig. 110**.
Tail Gate Control Actuator	Lower center of tailgate. See **Fig. 91**.
Temperature Actuator (Driver)	Left side of HVAC unit. See **Fig. 40**.
Temperature Actuator (Passenger)	Right side of HVAC unit. See **Fig. 42**.
Washer Motor	In washer fluid reservoir. See **Fig. 1**.
Wiper Motor (Front)	Left side of firewall. See **Fig. 12**.
Wiper Motor (Rear)	Center of tailgate. See **Fig. 91**.

SENDING UNITS & SENSORS

SENDING UNITS & SENSORS LOCATION

Component	Location
Accel Pedal Position Sensor	On accelerator pedal assembly. See **Fig. 55**.
Ambient Sensor	Lower front of radiator. See **Fig. 2**.
Brake Fluid Level Sensor	On brake master cylinder reservoir. See **Fig. 12**.
Camshaft Position Sensor #1 (Exhaust) (3.8L)	Top rear of right cylinder bank. See **Fig. 22**.
Camshaft Position Sensor #1 (Intake) (3.8L)	Top rear of right cylinder bank. See **Fig. 21**.
Camshaft Position Sensor #1 (Intake) (4.6L)	Top rear of right cylinder bank. See **Fig. 107**.
Camshaft Position Sensor #2 (Exhaust) (3.8L)	Top rear of left cylinder bank. See **Fig. 20**.
Camshaft Position Sensor #2 (Exhaust) (4.6L)	Top rear of right cylinder bank. See **Fig. 107**.
Camshaft Position Sensor #2 (Intake) (3.8L)	Top rear of left cylinder bank. See **Fig. 20**.
Camshaft Position Sensor #3 (Intake)	Top rear of left cylinder bank. See **Fig. 113**.
Camshaft Position Sensor #4 (Exhaust)	Top rear of left cylinder bank. See **Fig. 113**.
Crankshaft Position Sensor (3.8L)	Left rear of engine. See **Fig. 28**.
Crankshaft Position Sensor (4.6L)	Left rear of engine. See **Fig. 113**.
Engine Coolant Temperature Sensor & Sender (3.8L)	Top rear of engine. See **Fig. 21**.
Engine Coolant Temperature Sensor & Sender	Right front of engine. See **Fig. 108**.

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(4.6L)	
Evaporator Sensor	Lower left side of HVAC unit. See **Fig. 47**.
Front Impact Sensor (LH/RH)	On top radiator mounts. See **Fig. 4**.
Front Wheel Sensor (LH)	Left front wheel hub assembly. See **Fig. 7**.
Front Wheel Sensor (RH)	Right front wheel hub assembly. See **Fig. 5**.
Fuel Tank Pressure Sensor	Top of fuel tank. See **Fig. 75**.
G-Sensor	Under center console. See **Fig. 56**.
Incar Temperature Sensor	Right center of dash. See **Fig. 32**.
Knock Sensor #1 (3.8L)	Front of right cylinder bank. See **Fig. 24**.
Knock Sensor #1 (4.6L)	Right rear of engine. See **Fig. 107**.
Knock Sensor #2 (3.8L)	Front of left cylinder bank. See **Fig. 26**.
Knock Sensor #2 (4.6L)	Rear of right cylinder bank. See **Fig. 113**.
Knock Sensor #3	Right rear of engine. See **Fig. 107**.
Knock Sensor #4	Right rear of engine. See **Fig. 113**.
Light & Photo Sensor	Top center of dash. See **Fig. 39**.
MAP Sensor	On intake manifold. See **Fig. 18**.
MAS Air Flow Sensor (3.8L)	On air intake duct. See **Fig. 11**.
MAS Air Flow Sensor (4.6L)	On air intake duct. See **Fig. 104**.
Oil Temperature Sensor	Rear of engine. See **Fig. 21**.
Oxygen Sensor (Down) #1	Right bank exhaust. See **Fig. 117**.
Oxygen Sensor (Down) #2	Left bank exhaust. See **Fig. 116**.
Oxygen Sensor (Up) #1	Right bank exhaust. See **Fig. 107**.
Oxygen Sensor (Up) #2	Left bank exhaust. See **Fig. 113**.
Oxygen Sensor #1	Right bank exhaust. See **Fig. 22**.
Oxygen Sensor #2	Left bank exhaust. See **Fig. 20**.
Oxygen Sensor #3	Right bank exhaust. See **Fig. 29**.
Oxygen Sensor #4	Left bank exhaust. See **Fig. 28**.
Power Steering Pressure Sensor	Right side of engine. See **Fig. 106**.
Rear Parking Assist Sensors (4)	In rear bumper. See **Fig. 97**.
Rear Side Impact Sensor LH	Left "C" pillar. See **Fig. 64**.
Rear Side Impact Sensor RH	Right "C" pillar. See **Fig. 70**.
Rear Wheel Speed Sensor LH	Left rear wheel hub assembly. See **Fig. 92**.
Rear Wheel Speed Sensor RH	Right rear wheel hub assembly. See **Fig. 93**.
Side Impact Sensor (Driver)	In driver's door. See **Fig. 82**.
Side Impact Sensor (Passenger)	In front passenger's door. See **Fig. 85**.
Steering Angle Sensor	Base of steering column. See **Fig. 34**.
Telescopic Motor & Sensor	On steering column. See **Fig. 35**.
Throttle Position Sensor (3.8L)	On throttle body. See **Fig. 18**.
Throttle Position Sensor (4.6L)	On throttle body. See **Fig. 105**.
Tilt Motor & Sensor	On steering column. See **Fig. 34**.
Washer Level Sensor	In washer fluid reservoir. See **Fig. 1**.

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	Lower right side of HVAC unit. See **Fig. 40**.
Yaw Rate Sensor	Under front of center console. See **Fig. 56**.

SOLENOIDS & SOLENOID VALVES

SOLENOIDS & SOLENOID VALVES LOCATION

Component	Location
A/C Compressor (3.8L)	Left front of engine. See **Fig. 26**.
A/C Compressor (4.6L)	Lower left front of engine. See **Fig. 112**.
Canister Close Valve	Under rear of vehicle. See **Fig. 101**.
Fuel Door Actuator	Behind left quarterpanel. See **Fig. 65**.
Ignition Key Interlock	On steering column. See **Fig. 98**.
Injectors #1, #3 & #5 (3.8L)	Top of right cylinder bank. See **Fig. 23**.
Injectors #1, #3, #5 & #7 (4.6L)	Top of right cylinder bank. See **Fig. 106**.
Injectors #2, #4 & #6 (3.8L)	Top of left cylinder bank. See **Fig. 19**.
Injectors #2, #4, #6 & #8 (4.6L)	Top of left cylinder bank. See **Fig. 111**.
Oil Control Valve #1 (Exhaust) (3.8L)	Top front of right cylinder bank. See **Fig. 18**.
Oil Control Valve #1 (Exhaust) (4.6L)	Front of right cylinder bank. See **Fig. 108**.
Oil Control Valve #1 (Intake) (3.8L)	Top of engine. See **Fig. 27**.
Oil Control Valve #2 (Exhaust) (3.8L)	Top front of left cylinder bank. See **Fig. 19**.
Oil Control Valve #2 (Exhaust) (4.6L)	Front of right cylinder bank. See **Fig. 108**.
Oil Control Valve #2 (Intake) (3.8L)	Top of engine. See **Fig. 27**.
Oil Control Valve #3 (Intake)	Front of left cylinder bank. See **Fig. 112**.
Oil Control Valve #4 (Exhaust)	Front of left cylinder bank. See **Fig. 112**.
Purge Control Solenoid Valve (3.8L)	Right rear of engine. See **Fig. 22**.
Purge Control Solenoid Valve (4.6L)	Top right side of engine. See **Fig. 106**.
Start Solenoid (3.8L)	On starter motor. See **Fig. 25**.
Start Solenoid (4.6L)	On starter motor. See **Fig. 110**.
Variable Intake Manifold Valve	Right rear of engine. See **Fig. 22**.
Variable Intake Solenoid Valve	Center rear of engine. See **Fig. 114**.

SWITCHES

SWITCHES LOCATION

Component	Location
Door Switch (Driver)	Left "B" pillar. See **Fig. 63**.
Door Switch (Passenger)	Right "B" pillar. See **Fig. 69**.
Glove Box Switch	Right side of glove box. See **Fig. 36**.
Hood Switch	Left side of engine compartment. See **Fig. 14**.
Oil Pressure Switch	Rear of engine. See **Fig. 20**.
Oil Temperature Switch	Front of left cylinder bank. See **Fig. 112**.

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Parking Brake Switch	Base of parking brake lever. See **Fig. 53**.
Power Steering Switch	Right front of engine. See **Fig. 24**.
Rear Door Switch LH	Left "C" pillar. See **Fig. 64**.
Rear Door Switch RH	Right "C" pillar. See **Fig. 70**.
Reclining Limit Switch (Driver)	Under left side of driver's seat. See **Fig. 77**.
Reclining Limit Switch (Passenger)	Under left side of front passenger's seat. See **Fig. 80**.
Seat Buckle Switch (Driver)	In driver's seat belt buckle. See **Fig. 59**.
Seat Buckle Switch (Passenger)	In front passenger's seat belt buckle. See **Fig. 60**.
Slide Limit Switch (Driver)	Under driver's seat. See **Fig. 78**.
Slide Limit Switch (Passenger)	Under front passenger's seat. See **Fig. 81**.
Stop Lamp Switch	Above brake pedal, on bracket. See **Fig. 53**.

MISCELLANEOUS

MISCELLANEOUS LOCATION

Component	Location
A/C Pressure Transducer	Lower left front of radiator. See **Fig. 2**.
Air Bag (Driver)	In steering wheel. See **Fig. 34**.
Air Bag (Driver Knee)	Under left side of dash. See **Fig. 98**.
Air Bag (Passenger)	Right side of dash. See **Fig. 41**.
AMP	Left rear corner of luggage compartment. See **Fig. 68**.
Burglar Horn	Right side of engine compartment. See **Fig. 17**.
Condenser #1 (3.8L)	Top rear of engine. See **Fig. 20**.
Condenser #1 (4.6L)	Right rear of engine. See **Fig. 107**.
Condenser #2 (3.8L)	Top front of engine. See **Fig. 18**.
Condenser #2 (4.6L)	Rear of left cylinder bank. See **Fig. 113**.
Curtain Air Bag LH	Left roof rail. See **Fig. 65**.
Curtain Air Bag RH	Right roof rail. See **Fig. 71**.
Data Link Connector	Under left end of dash. See **Fig. 33**.
Front FET (Field Effect Transistor)	Right side of dash. See **Fig. 42**.
Generator (3.8L)	Left front of engine. See **Fig. 26**.
Generator (4.6L)	Lower right front of engine. See **Fig. 109**.
Horn (LH & RH)	Front of radiator. See **Fig. 2**.
Ignition Coils #1, #3, & #5 (3.8L)	Top of right cylinder bank. See **Fig. 23**.
Ignition Coils #1, #3, #5 & #7 (4.6L)	Top of right cylinder bank. See **Fig. 106**.
Ignition Coils #2, #4 & #6 (3.8L)	Top of left cylinder bank. See **Fig. 19**.
Ignition Coils #2, #4, #6 & #8 (4.6L)	Top of left cylinder bank. See **Fig. 111**.
Joint Connector CJGTCU	Right rear corner of engine compartment. See **Fig. 10**.

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Joint Connector CJG4WD	Rear of transfer case. See **Fig. 30**.
Joint Connector JCA	Center rear of engine. See **Fig. 114**.
Joint Connector JCB	Right rear of engine. See **Fig. 115**.
Joint Connector JCC	Left rear of engine compartment. See **Fig. 103**.
Joint Connector JCD	Left rear of engine compartment. See **Fig. 103**.
Joint Connector JCE	Center rear of engine. See **Fig. 114**.
Joint Connector JC4WD	Rear of transfer case. See **Fig. 30**.
Joint Connector JE01	Behind left headlight assembly. See **Fig. 3**.
Joint Connector JE02	Behind left headlight assembly. See **Fig. 3**.
Joint Connector JF01	Left kick panel. See **Fig. 54**.
Joint Connector JF02	Under rear of center console. See **Fig. 46**.
Joint Connector JF03	Right end of dash. See **Fig. 57**.
Joint Connector JM01	Left side of dash. See **Fig. 37**.
Joint Connector JM02	Left end of dash. See **Fig. 37**.
Joint Connector JM03	Left side of dash. See **Fig. 37**.
Joint Connector JM04	Right center of dash. See **Fig. 46**.
Joint Connector JS01	Under driver's seat. See **Fig. 78**.
Joint Connector JS02	Under front passenger's seat. See **Fig. 81**.
Joint Resistor JCTCU	Right side of transmission. See **Fig. 117**.
Multipurpose Check Connector	Left rear of engine compartment. See **Fig. 11**.
Rear FET (Field Effect Transistor)	On rear A/C unit. See **Fig. 72**.
RF Receiver	Left end of dash. See **Fig. 50**.
Seat Belt Pretensioner (Driver)	Base of left "B" pillar. See **Fig. 63**.
Seat Belt Pretensioner (Passenger)	Base of right "B" pillar. See **Fig. 69**.
Side Air Bag (Driver)	Left side of driver's seat back. See **Fig. 59**.
Side Air Bag (Passenger)	Right side of front passenger's seat back. See **Fig. 60**.
Smart Key Antenna (Bumper)	Left side of rear bumper. See **Fig. 96**.
Smart Key Antenna (Interior 1)	Right side of dash. See **Fig. 41**.
Smart Key Antenna (Interior 2)	Under rear of center console. See **Fig. 46**.
Smart Key Antenna (Trunk)	Center front of luggage area. See **Fig. 76**.
Tail Lamp Converter	Base of right "D" pillar. See **Fig. 100**.
Trailer Connector	Under right rear of vehicle. See **Fig. 102**.

CONNECTORS

CONNECTORS LOCATION

Component	Location
CLGIG (Gray, 4 Pin)	Top front of engine. See **Fig. 18**.
CLGINJ (Black, 4 Pin)	Top front of engine. See **Fig. 18**.
CLGOCV (Gray, 4 Pin)	Top of left cylinder bank. See **Fig. 19**.

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ECO1 (Black, 10 Pin)	Behind left headlight assembly. See **Fig. 3**.
EC11 (Black, 36 Pin)	Behind left headlight assembly. See **Fig. 3**.
EF11 (White, 22 Pin)	Left end of dash. See **Fig. 53**.
EF21 (White, 8 Pin)	Right end of dash. See **Fig. 57**.
EM11 (Gray, 24 Pin)	Right side of dash. See **Fig. 42**.
EM21 (White, 20 Pin)	Right side of dash. See **Fig. 42**.
EM31 (White, 10 Pin)	Lower left side of HVAC unit. See **Fig. 40**.
FA01 (Black, 18 Pin)	On rear A/C unit. See **Fig. 72**.
FD11 (White, 39 Pin)	Left kick panel. See **Fig. 82**.
FD12 (White, 39 Pin)	Right kick panel. See **Fig. 84**.
FD21 (White, 24 Pin)	Left "B" pillar. See **Fig. 63**.
FD22 (White, 24 Pin)	Right "B" pillar. See **Fig. 69**.
FF11 (Gray, 24 Pin)	Under front of center console. See **Fig. 44**.
FF21 (Black, 14 Pin)	Under front of center console. See **Fig. 44**.
FF31 (Black, 14 Pin)	Under front of center console. See **Fig. 44**.
FR11 (White, 21 Pin)	Center rear of roof. See **Fig. 74**.
FR21 (Light Gray/White, 16 Pin)	Center rear of roof. See **Fig. 74**.
FR41 (White, 22 Pin)	Base of left "A" pillar. See **Fig. 52**.
FR51 (White, 24 Pin)	Base of right "A" pillar. See **Fig. 94**.
FR61 (Black, 10 Pin)	Under left rear of vehicle. See **Fig. 96**.
FS01 (White, 18 Pin)	Under driver's seat. See **Fig. 59**.
FS02 (White, 10 Pin)	Under driver's seat. See **Fig. 59**.
FS03 (White, 10 Pin)	Under front passenger's seat. See **Fig. 60**.
MA01 (White, 23 Pin)	Behind center of HVAC unit. See **Fig. 48**.
MF01 (White, 4 Pin)	Under front of center console. See **Fig. 44**.
MF21 (Light Gray/White, 16 Pin)	Left kick panel. See **Fig. 54**.
MF31 (White, 39 Pin)	Left kick panel. See **Fig. 54**.
MF51 (Light Gray/White, 16 Pin)	Right kick panel. See **Fig. 58**.
MF61 (White, 39 Pin)	Right kick panel. See **Fig. 58**.
MM01 (White, 6 Pin)	Under center of dash. See **Fig. 43**.
MM11 (White, 2 Pin)	Right side of glove box. See **Fig. 36**.

GROUNDS

GROUNDS LOCATION

Component	Location
GE01	Lower right front of engine compartment. See **Fig. 6**.
GE02	Lower left front of engine compartment. See **Fig. 8**.
GE03	Right side of engine compartment. See **Fig. 17**.
GE04	Left side of engine compartment. See **Fig. 15**.

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GE05	Right side of engine compartment. See **Fig. 17**.
GE06	Left side of engine compartment. See **Fig. 15**.
GE07	Left side of engine compartment. See **Fig. 15**.
GF01	Left kick panel. See **Fig. 54**.
GF02	Right kick panel. See **Fig. 58**.
GF03	Right "B" pillar. See **Fig. 69**.
GF04	Left "B" pillar. See **Fig. 63**.
GF05	Left "C" pillar. See **Fig. 64**.
GF06	Right "C" pillar. See **Fig. 70**.
GF07	Left "D" pillar. See **Fig. 67**.
GF08	Base of right "D" pillar. See **Fig. 73**.
GF09	Left "B" pillar. See **Fig. 63**.
GF10	Left "D" pillar. See **Fig. 67**.
GF11	Right end of dash. See **Fig. 57**.
GF12	Left "C" pillar. See **Fig. 64**.
GF13	Left end of dash. See **Fig. 53**.
GF14	Base of right "B" pillar. See **Fig. 69**.
GLG01	Top front of engine. See **Fig. 18**.
GLG02	Right side of engine compartment. See **Fig. 15**.
GLG03	Right rear corner of engine compartment. See **Fig. 10**.
GM01	Left center of dash. See **Fig. 31**.
GM02	Left side of dash. See **Fig. 37**.
GM03	Left side of dash. See **Fig. 37**.
GM05	Right side of dash. See **Fig. 42**.
GM06	Right side of dash. See **Fig. 42**.
GM07	Under rear of center console. See **Fig. 46**.
GR01	Right side of tailgate. See **Fig. 90**.
GR02	Left side of tailgate. See **Fig. 91**.
GTG01	Right side of transmission. See **Fig. 117**.
GTG03	Right side of engine compartment. See **Fig. 15**.
GTG04	Right side of transmission. See **Fig. 117**.
GTG05	Right front of engine. See **Fig. 105**.
GTG06	Left rear of engine. See **Fig. 113**.

COMPONENT LOCATION GRAPHICS

NOTE: Figures may show multiple component locations. Refer to appropriate table for proper figure references.

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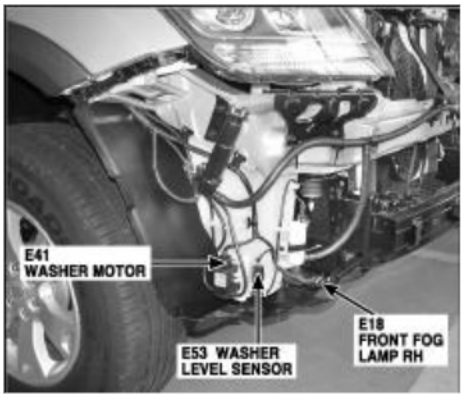


Fig. 1: Right Front Of Vehicle
Courtesy of KIA MOTORS AMERICA, INC.

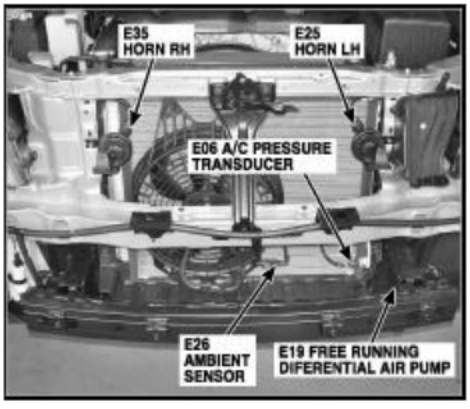


Fig. 2: Front Of Engine Compartment
Courtesy of KIA MOTORS AMERICA, INC.

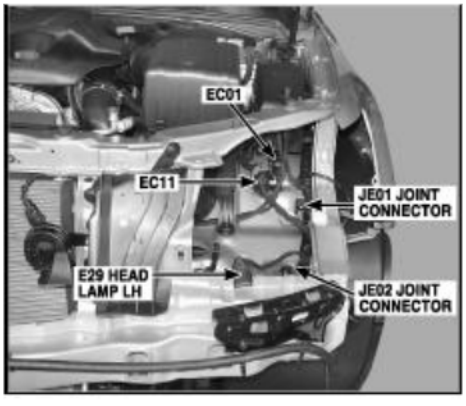


Fig. 3: Left Front Of Vehicle
Courtesy of KIA MOTORS AMERICA, INC.

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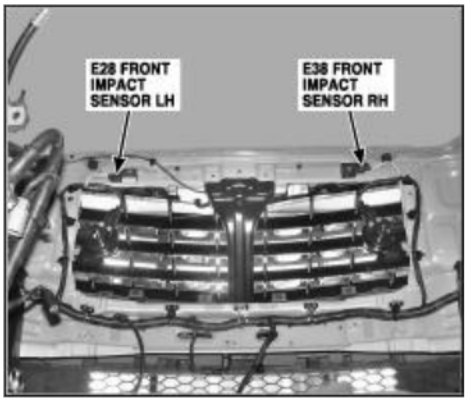


Fig. 4: Front Of Engine Compartment
Courtesy of KIA MOTORS AMERICA, INC.

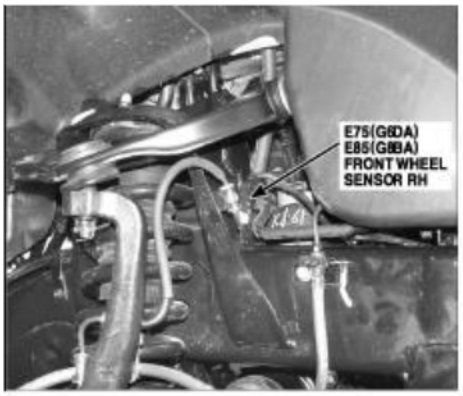


Fig. 5: Right Front Wheelwell
Courtesy of KIA MOTORS AMERICA, INC.



Fig. 6: Right Front Of Engine Compartment
Courtesy of KIA MOTORS AMERICA, INC.

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Fig. 7: Left Front Wheelwell
Courtesy of KIA MOTORS AMERICA, INC.



Fig. 8: Left Front Of Engine Compartment
Courtesy of KIA MOTORS AMERICA, INC.

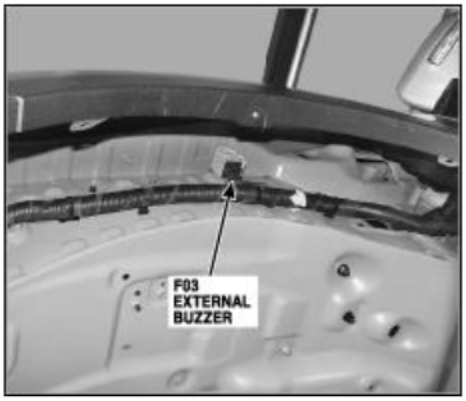


Fig. 9: Left Side Of Engine Compartment
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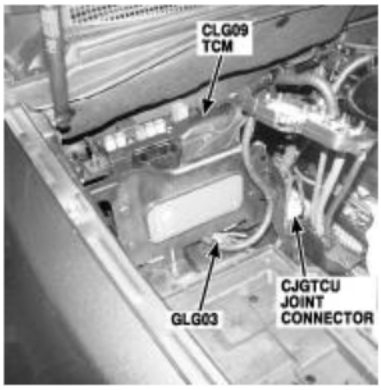


Fig. 10: Right Rear Of Engine Compartment
Courtesy of KIA MOTORS AMERICA, INC.

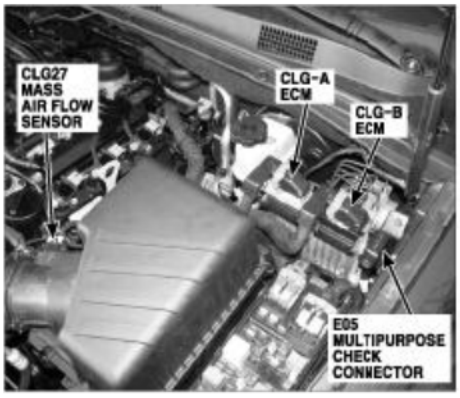


Fig. 11: Left Rear Of Engine Compartment
Courtesy of KIA MOTORS AMERICA, INC.



Fig. 12: Left Rear Of Engine Compartment
Courtesy of KIA MOTORS AMERICA, INC.

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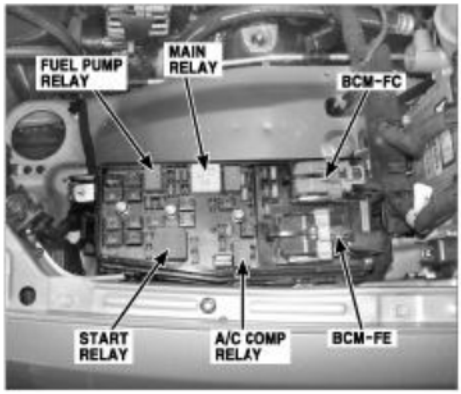


Fig. 13: Left Side Of Engine Compartment
Courtesy of KIA MOTORS AMERICA, INC.

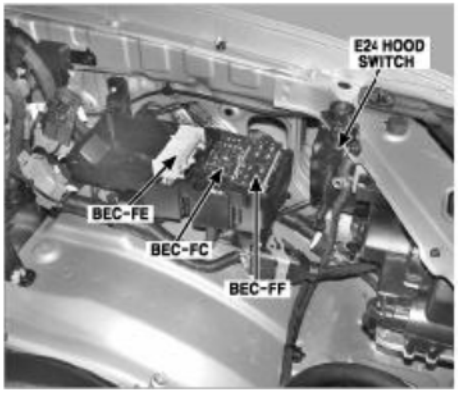


Fig. 14: Left Side Of Engine Compartment
Courtesy of KIA MOTORS AMERICA, INC.

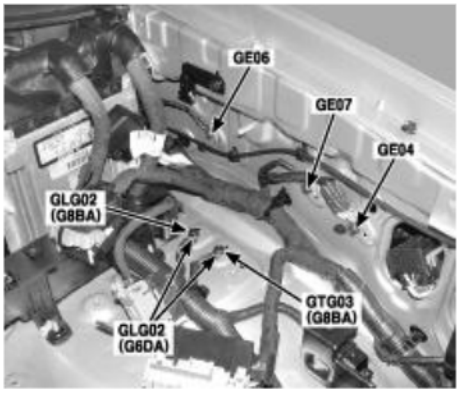


Fig. 15: Left Side Of Engine Compartment
Courtesy of KIA MOTORS AMERICA, INC.

cardiagn.com

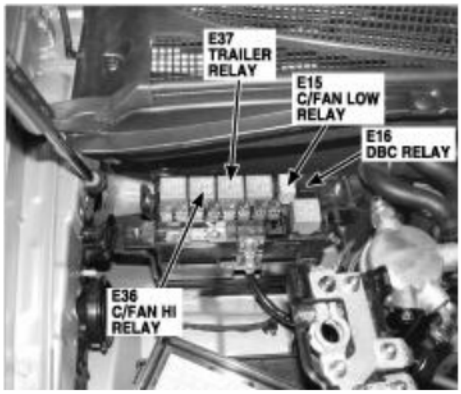


Fig. 16: Right Rear Of Engine Compartment
Courtesy of KIA MOTORS AMERICA, INC.

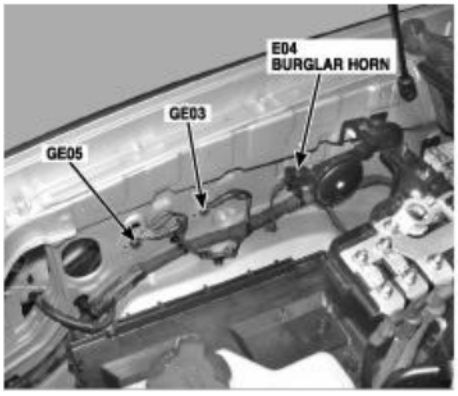


Fig. 17: Right Side Of Engine Compartment
Courtesy of KIA MOTORS AMERICA, INC.

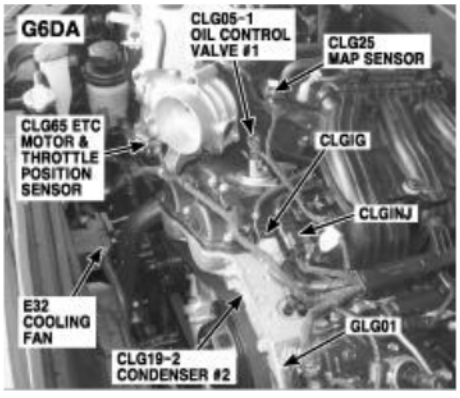


Fig. 18: Front Of Engine (3.8L)
Courtesy of KIA MOTORS AMERICA, INC.

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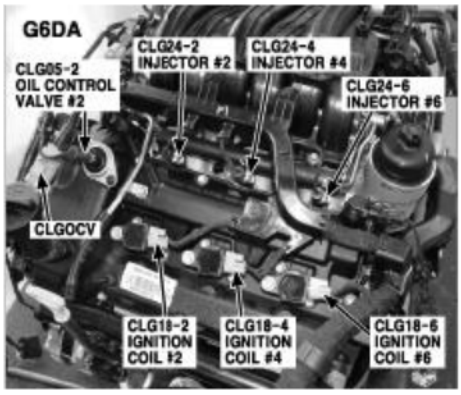


Fig. 19: Top Left Side Of Engine (3.8L)
Courtesy of KIA MOTORS AMERICA, INC.

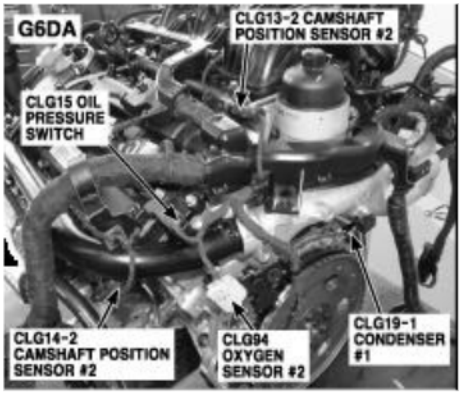


Fig. 20: Left Rear Of Engine (3.8L)
Courtesy of KIA MOTORS AMERICA, INC.

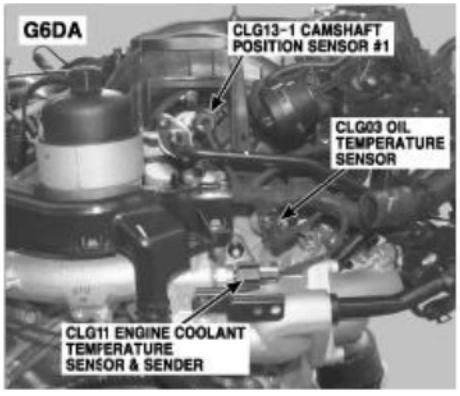


Fig. 21: Right Rear Of Engine (3.8L)
Courtesy of KIA MOTORS AMERICA, INC.

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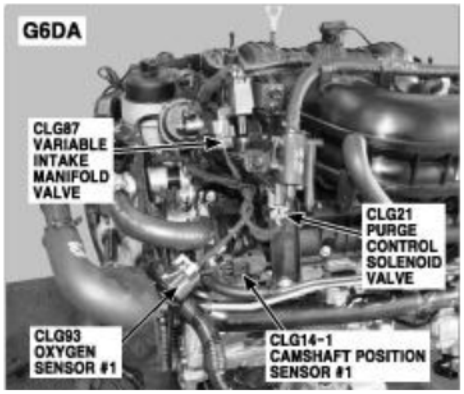


Fig. 22: Right Side Of Engine (3.8L)
Courtesy of KIA MOTORS AMERICA, INC.

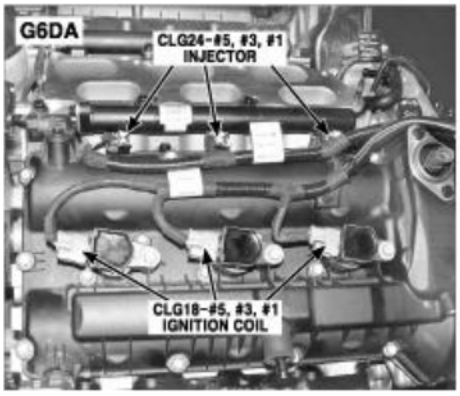


Fig. 23: Top Right Side Of Engine (3.8L)
Courtesy of KIA MOTORS AMERICA, INC.

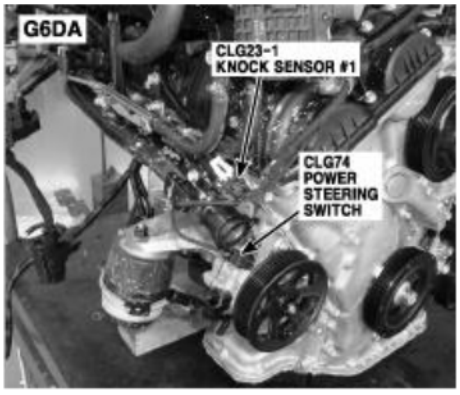


Fig. 24: Right Front Of Engine (3.8L)
Courtesy of KIA MOTORS AMERICA, INC.

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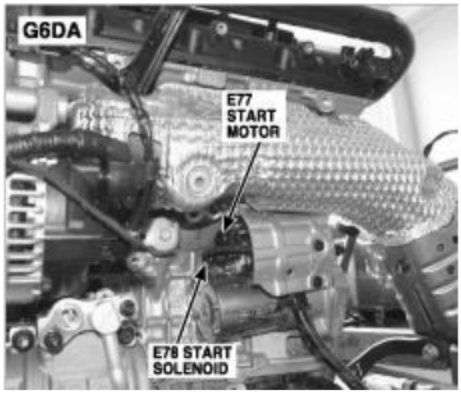


Fig. 25: Left Rear Of Engine (3.8L)
Courtesy of KIA MOTORS AMERICA, INC.

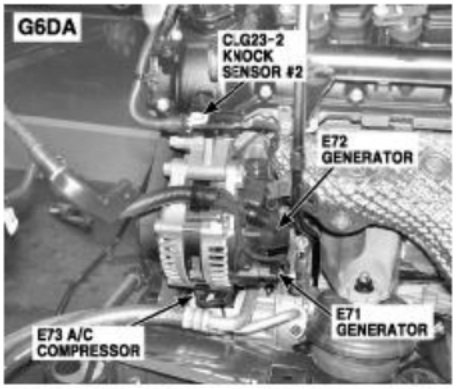


Fig. 26: Left Front Of Engine (3.8L)
Courtesy of KIA MOTORS AMERICA, INC.

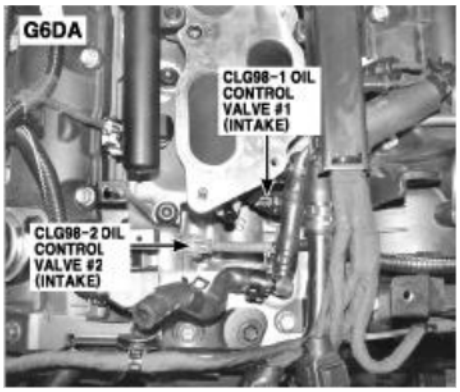


Fig. 27: Top Of Engine (3.8L)
Courtesy of KIA MOTORS AMERICA, INC.

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Fig. 28: Left Rear Of Engine (3.8L)
Courtesy of KIA MOTORS AMERICA, INC.

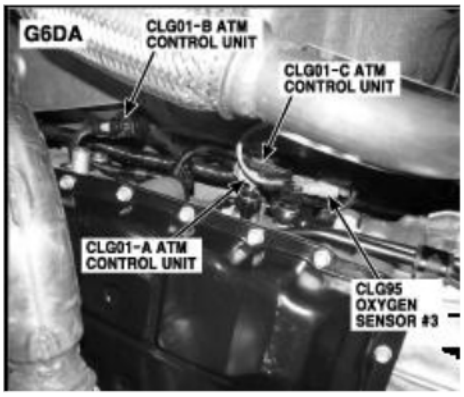


Fig. 29: Right Side Of Transmission (3.8L)
Courtesy of KIA MOTORS AMERICA, INC.

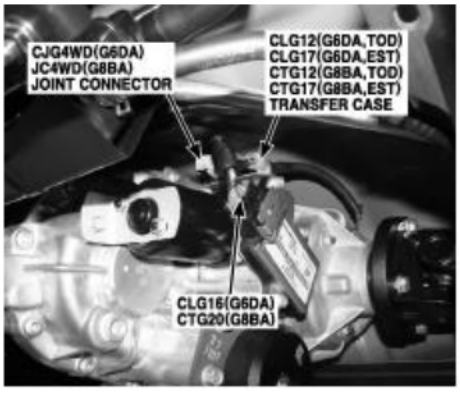


Fig. 30: Rear Of Transfer Case
Courtesy of KIA MOTORS AMERICA, INC.

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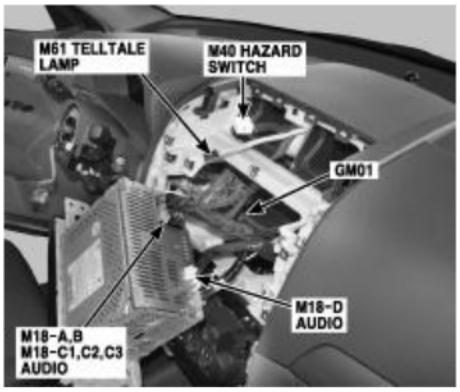


Fig. 31: Center Of Dash
Courtesy of KIA MOTORS AMERICA, INC.



Fig. 32: Center Of Dash
Courtesy of KIA MOTORS AMERICA, INC.

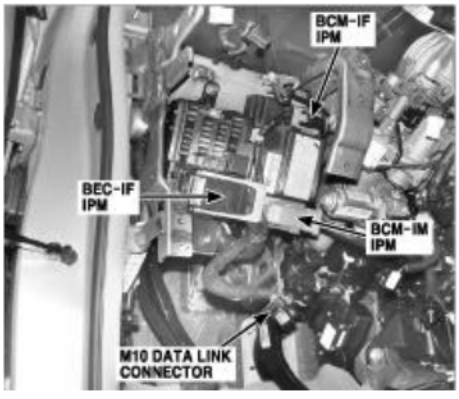


Fig. 33: Left End Of Dash
Courtesy of KIA MOTORS AMERICA, INC.

cardiagn.com

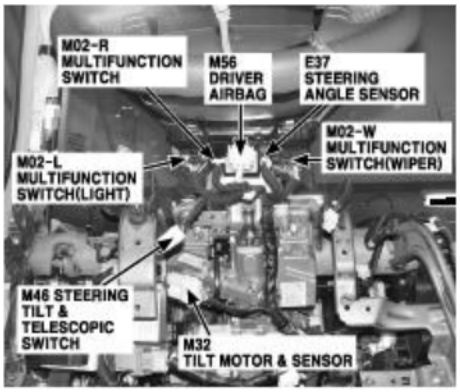


Fig. 34: Left Side Of Dash
Courtesy of KIA MOTORS AMERICA, INC.



Fig. 35: Left Side Of Dash
Courtesy of KIA MOTORS AMERICA, INC.

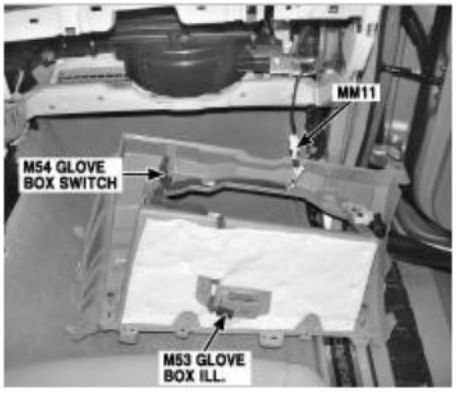


Fig. 36: Right Side Of Dash
Courtesy of KIA MOTORS AMERICA, INC.

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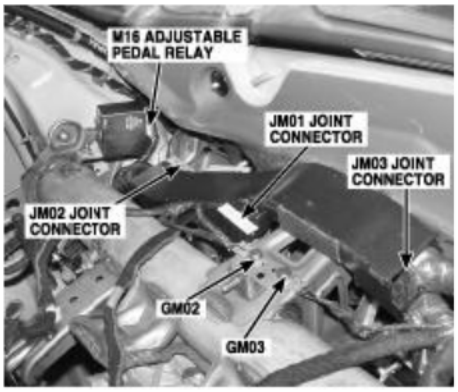


Fig. 37: Left Side Of Dash
Courtesy of KIA MOTORS AMERICA, INC.

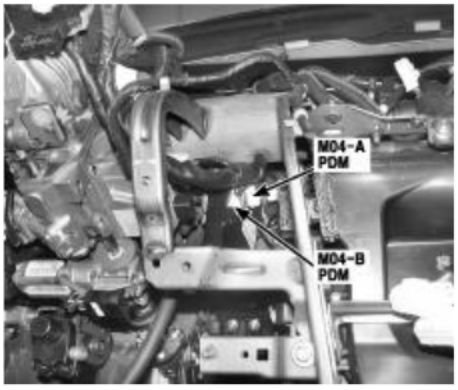


Fig. 38: Left Side Of Dash
Courtesy of KIA MOTORS AMERICA, INC.

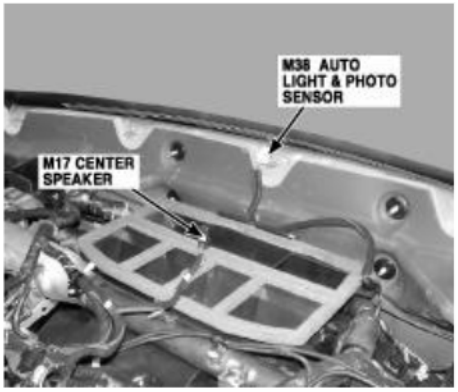


Fig. 39: Top Center Of Dash
Courtesy of KIA MOTORS AMERICA, INC.

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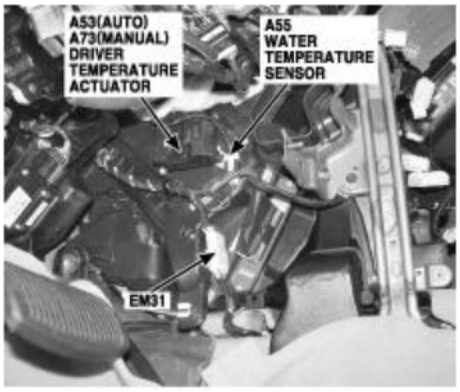


Fig. 40: Center Of Dash
Courtesy of KIA MOTORS AMERICA, INC.

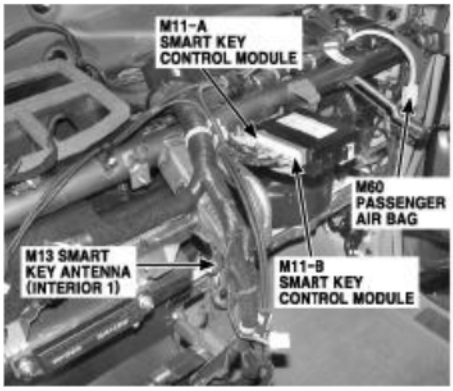


Fig. 41: Right Side Of Dash
Courtesy of KIA MOTORS AMERICA, INC.

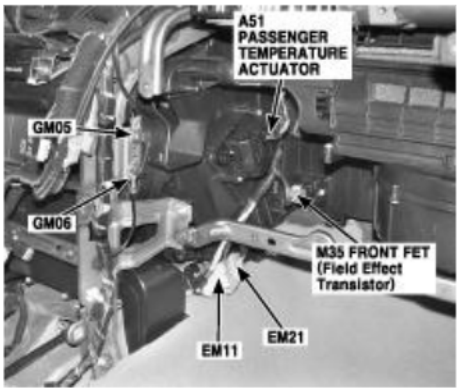


Fig. 42: Right Side Of Dash
Courtesy of KIA MOTORS AMERICA, INC.

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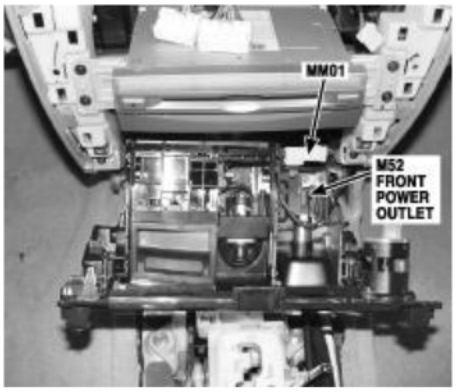


Fig. 43: Under Center Of Dash
Courtesy of KIA MOTORS AMERICA, INC.

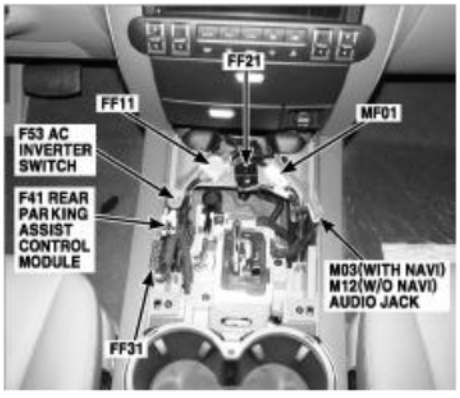


Fig. 44: Center Console
Courtesy of KIA MOTORS AMERICA, INC.

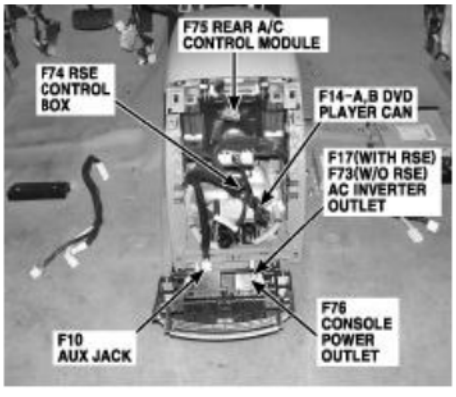


Fig. 45: Center Console
Courtesy of KIA MOTORS AMERICA, INC.

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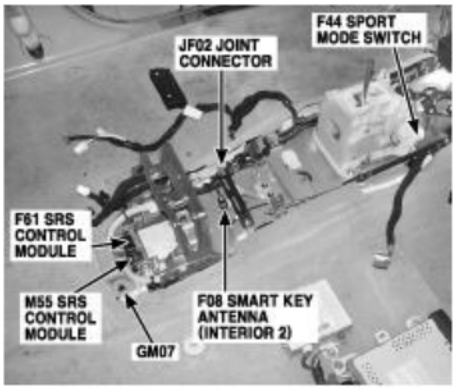


Fig. 46: Rear Of Center Console
Courtesy of KIA MOTORS AMERICA, INC.

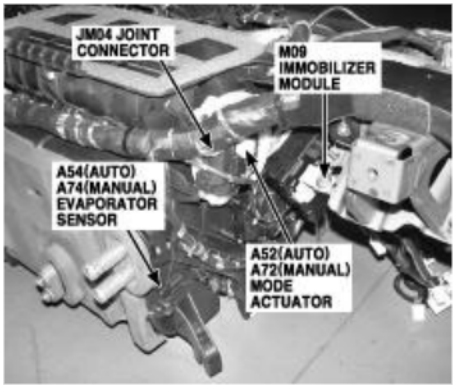


Fig. 47: Right Side Of Dash
Courtesy of KIA MOTORS AMERICA, INC.



Fig. 48: Right Side Of Dash
Courtesy of KIA MOTORS AMERICA, INC.

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Fig. 49: Right Side Of Dash
Courtesy of KIA MOTORS AMERICA, INC.

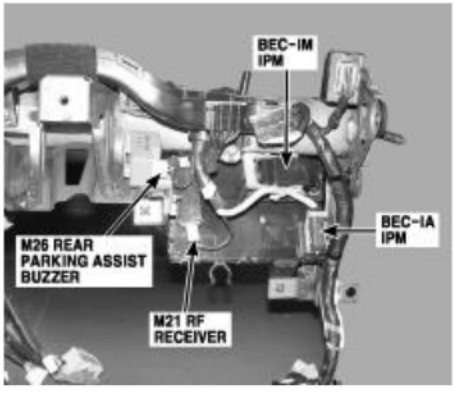


Fig. 50: Left End Of Dash
Courtesy of KIA MOTORS AMERICA, INC.

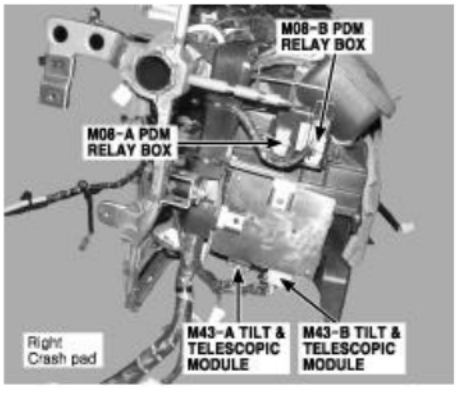


Fig. 51: Left Side Of Dash
Courtesy of KIA MOTORS AMERICA, INC.

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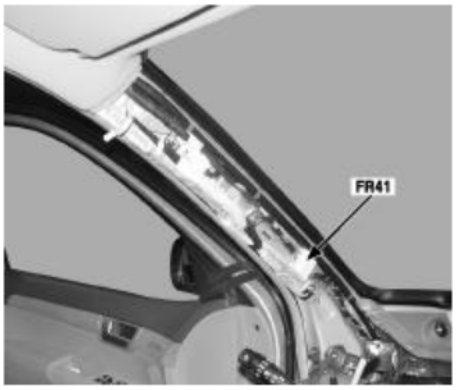


Fig. 52: Left "A" Pillar
Courtesy of KIA MOTORS AMERICA, INC.

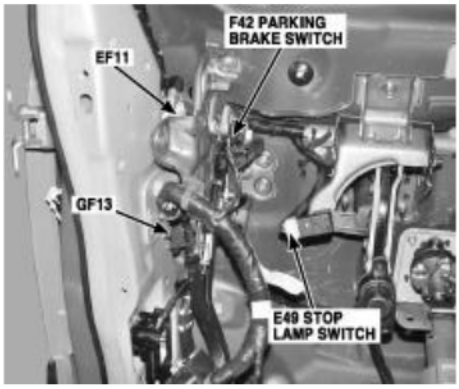


Fig. 53: Left Side Of Dash
Courtesy of KIA MOTORS AMERICA, INC.

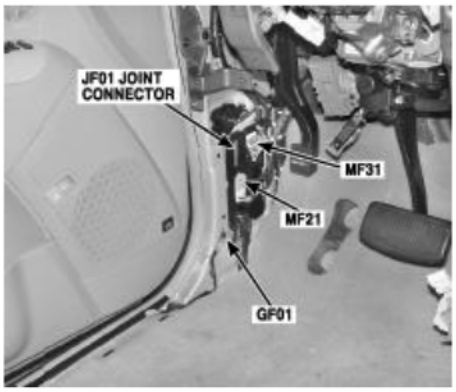


Fig. 54: Left Kick Panel
Courtesy of KIA MOTORS AMERICA, INC.

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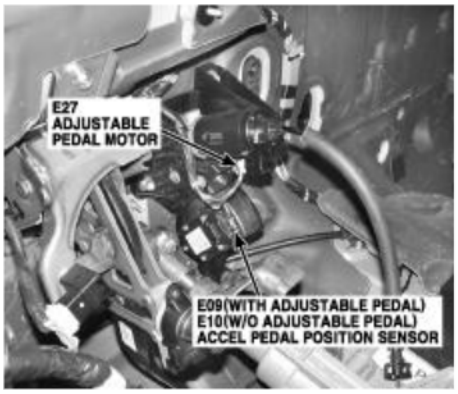


Fig. 55: Left Side Of Dash
Courtesy of KIA MOTORS AMERICA, INC.

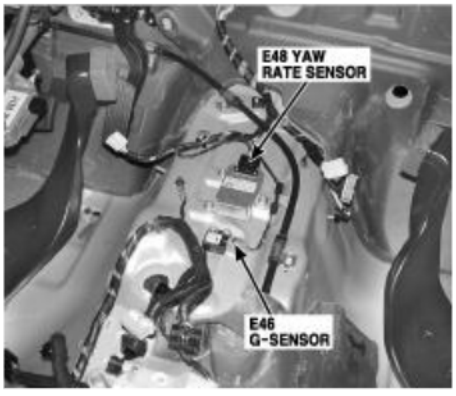


Fig. 56: Under Center Console
Courtesy of KIA MOTORS AMERICA, INC.

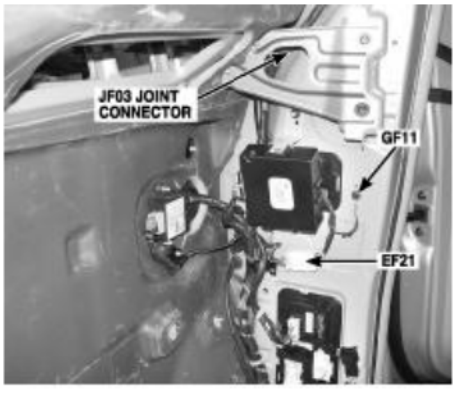


Fig. 57: Right End Of Dash
Courtesy of KIA MOTORS AMERICA, INC.

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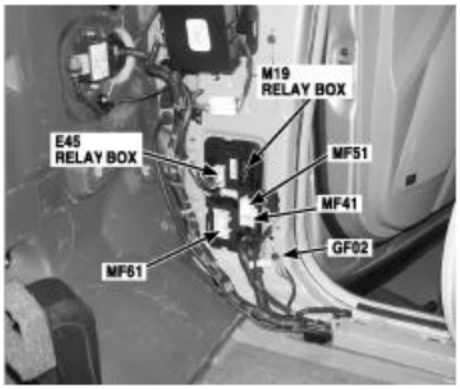


Fig. 58: Right Kick Panel
Courtesy of KIA MOTORS AMERICA, INC.

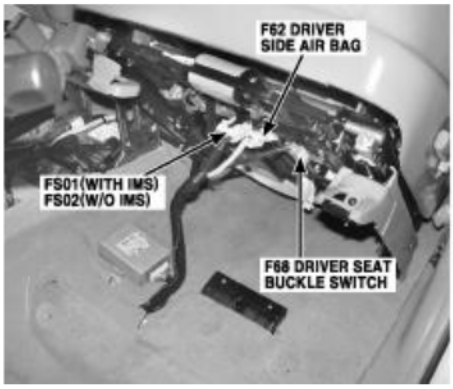


Fig. 59: Under Driver's Seat
Courtesy of KIA MOTORS AMERICA, INC.

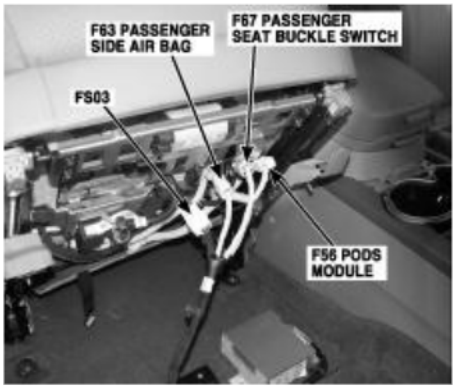


Fig. 60: Under Front Passenger's Seat
Courtesy of KIA MOTORS AMERICA, INC.

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Fig. 61: Under Front Passenger's Seat
Courtesy of KIA MOTORS AMERICA, INC.

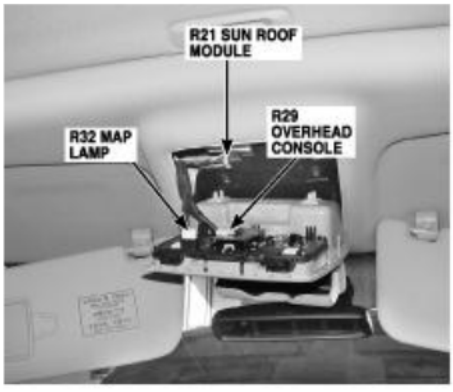


Fig. 62: Center Front Of Roof
Courtesy of KIA MOTORS AMERICA, INC.

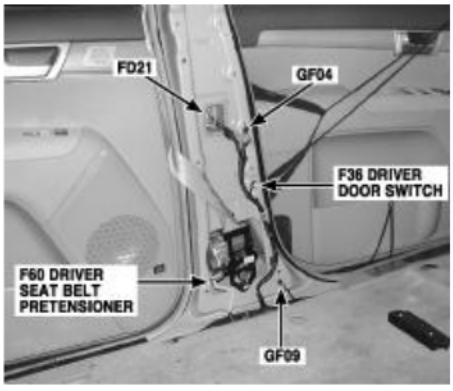


Fig. 63: Left "B" Pillar
Courtesy of KIA MOTORS AMERICA, INC.

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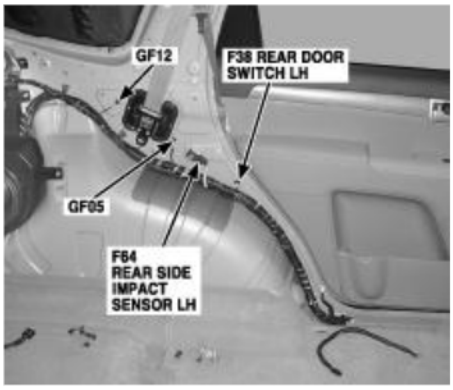


Fig. 64: Left "C" Pillar
Courtesy of KIA MOTORS AMERICA, INC.

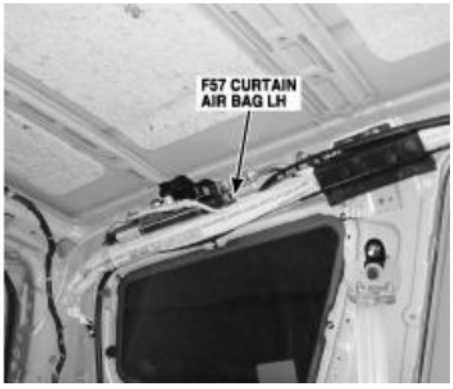


Fig. 65: Rear Of Left Roof Rail
Courtesy of KIA MOTORS AMERICA, INC.

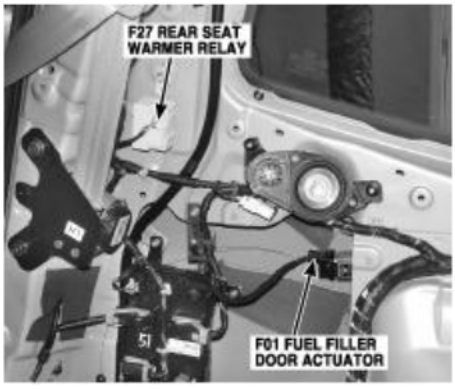


Fig. 66: Left Quarterpanel
Courtesy of KIA MOTORS AMERICA, INC.

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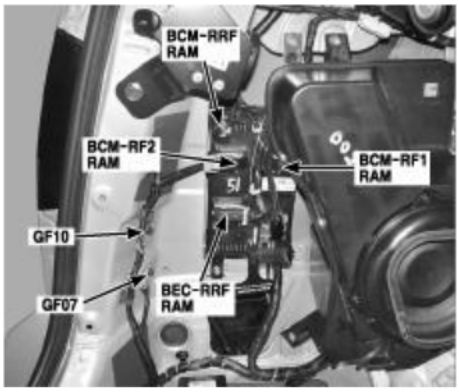


Fig. 67: Left "D" Pillar
Courtesy of KIA MOTORS AMERICA, INC.



Fig. 68: Left Rear Corner Of Luggage Area
Courtesy of KIA MOTORS AMERICA, INC.

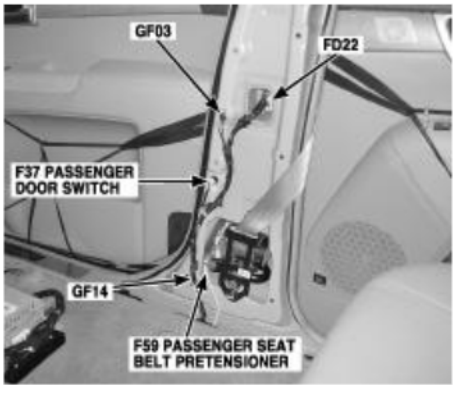


Fig. 69: Right "B" Pillar
Courtesy of KIA MOTORS AMERICA, INC.

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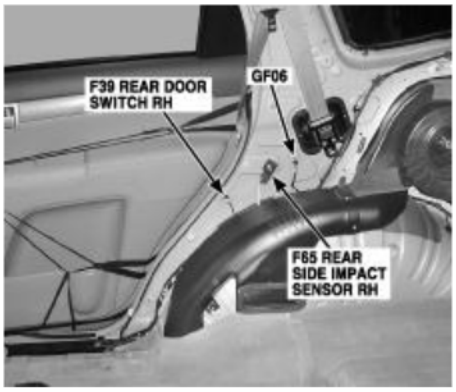


Fig. 70: Right "C" Pillar
Courtesy of KIA MOTORS AMERICA, INC.



Fig. 71: Rear Of Right Roof Rail
Courtesy of KIA MOTORS AMERICA, INC.

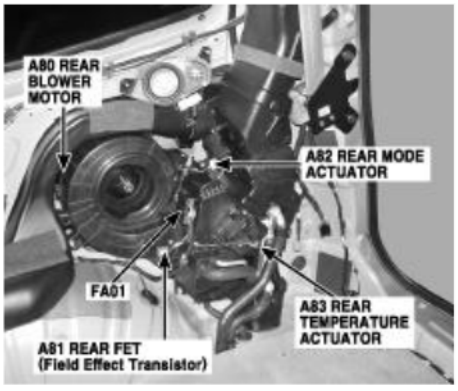


Fig. 72: Right Quarterpanel
Courtesy of KIA MOTORS AMERICA, INC.

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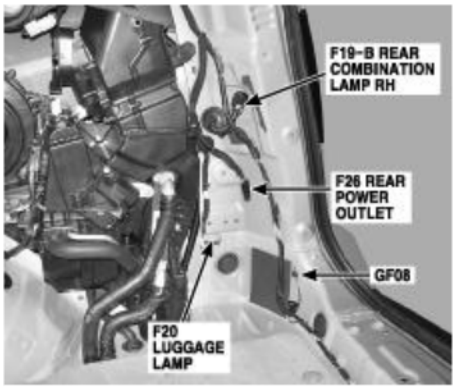


Fig. 73: Right "D" Pillar
Courtesy of KIA MOTORS AMERICA, INC.

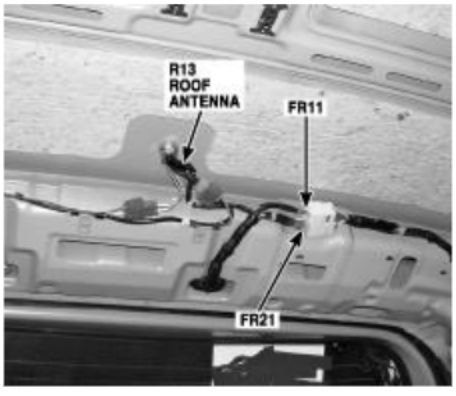


Fig. 74: Center Rear Of Roof
Courtesy of KIA MOTORS AMERICA, INC.

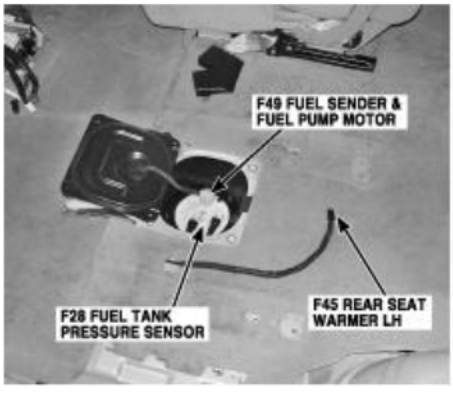


Fig. 75: Under Left Side Of Rear Seat
Courtesy of KIA MOTORS AMERICA, INC.

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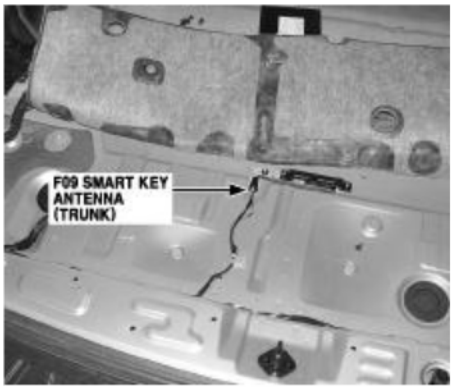


Fig. 76: Center Front Of Luggage Area
Courtesy of KIA MOTORS AMERICA, INC.

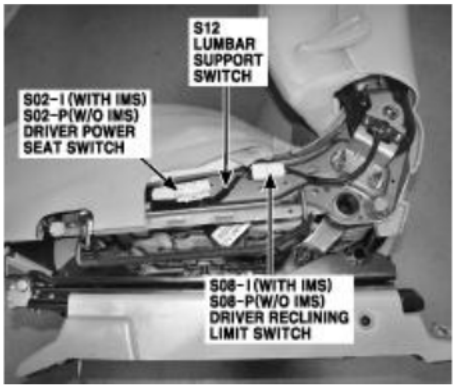


Fig. 77: Driver's Seat
Courtesy of KIA MOTORS AMERICA, INC.

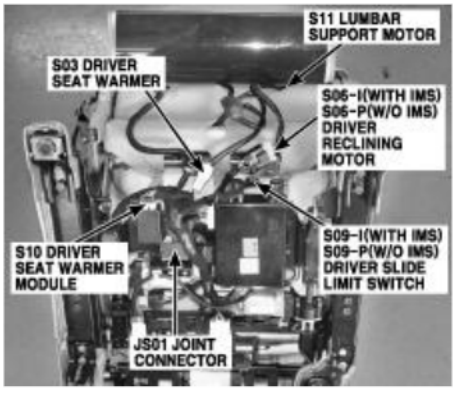


Fig. 78: Under Driver's Seat
Courtesy of KIA MOTORS AMERICA, INC.

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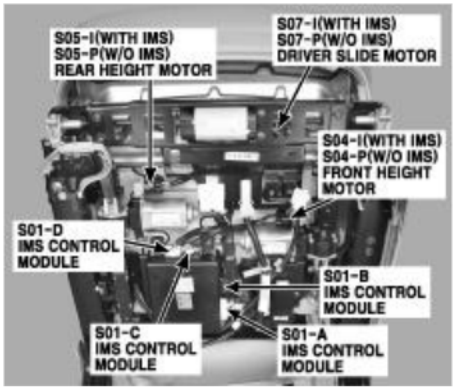


Fig. 79: Under Driver's Seat
Courtesy of KIA MOTORS AMERICA, INC.

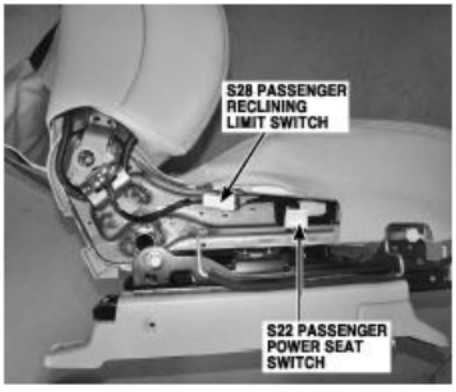


Fig. 80: Front Passenger's Seat
Courtesy of KIA MOTORS AMERICA, INC.

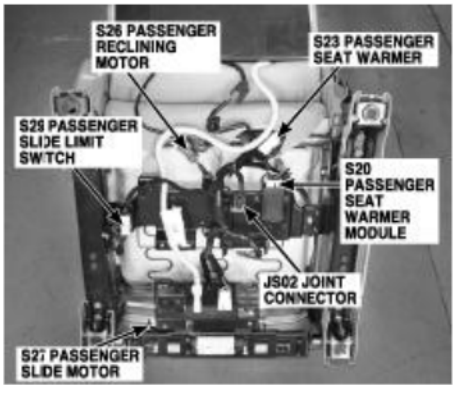


Fig. 81: Under Front Passenger's Seat
Courtesy of KIA MOTORS AMERICA, INC.

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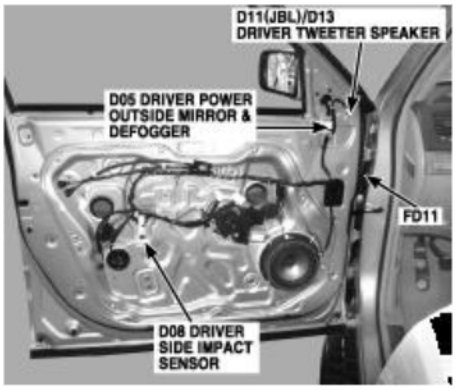


Fig. 82: Driver's Door
Courtesy of KIA MOTORS AMERICA, INC.

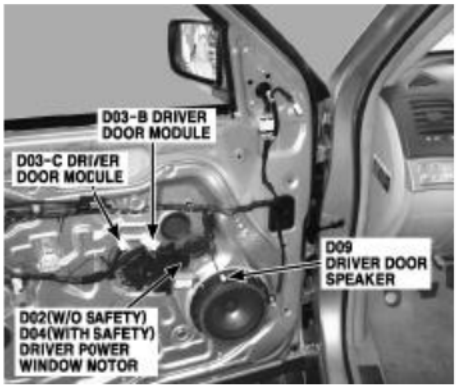


Fig. 83: Driver's Door
Courtesy of KIA MOTORS AMERICA, INC.

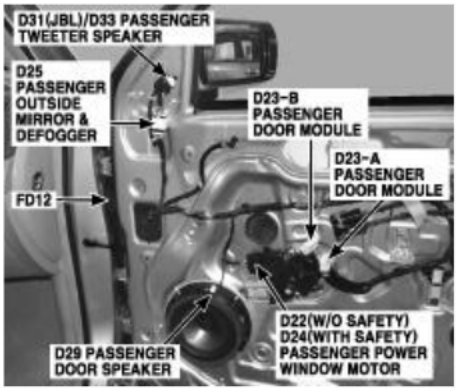


Fig. 84: Front Passenger's Door
Courtesy of KIA MOTORS AMERICA, INC.

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Fig. 85: Front Passenger's Door
Courtesy of KIA MOTORS AMERICA, INC.

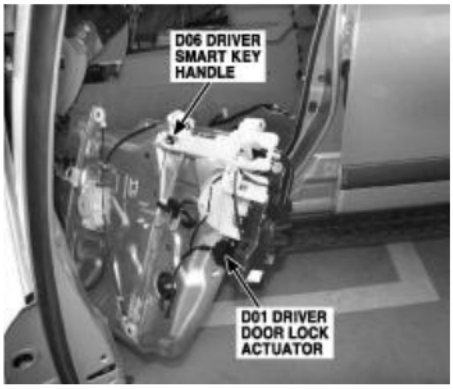


Fig. 86: Driver's Door
Courtesy of KIA MOTORS AMERICA, INC.

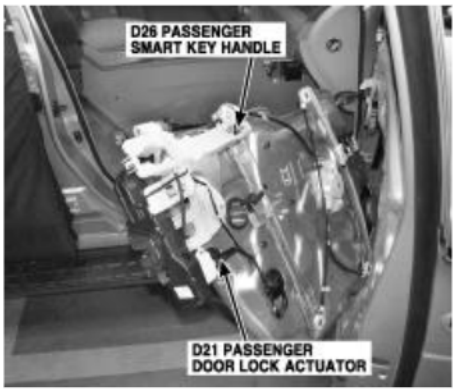


Fig. 87: Front Passenger's Door
Courtesy of KIA MOTORS AMERICA, INC.

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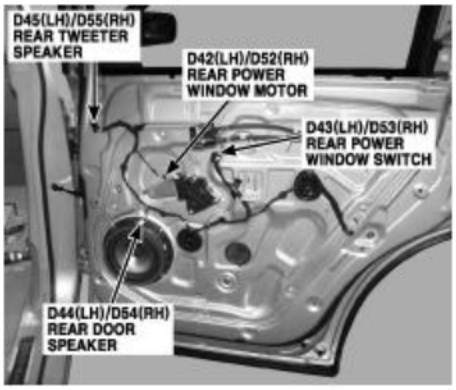


Fig. 88: Rear Doors (Right Shown)
Courtesy of KIA MOTORS AMERICA, INC.



Fig. 89: Rear Doors (Right Shown)
Courtesy of KIA MOTORS AMERICA, INC.

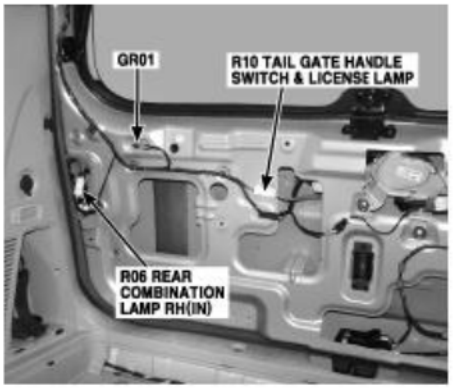


Fig. 90: Right Side Of Tailgate
Courtesy of KIA MOTORS AMERICA, INC.

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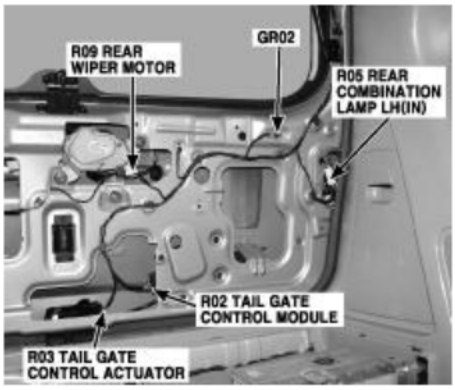


Fig. 91: Left Side Of Tailgate
Courtesy of KIA MOTORS AMERICA, INC.



Fig. 92: Left Rear Wheelwell
Courtesy of KIA MOTORS AMERICA, INC.



Fig. 93: Right Rear Wheelwell
Courtesy of KIA MOTORS AMERICA, INC.

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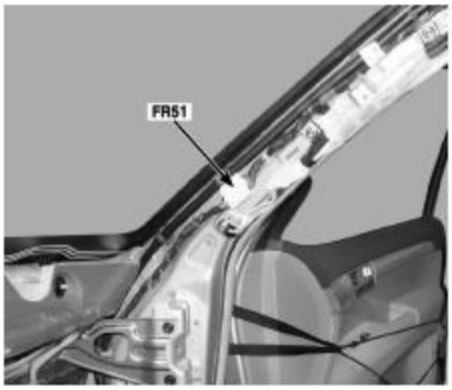


Fig. 94: Right "A" Pillar
Courtesy of KIA MOTORS AMERICA, INC.

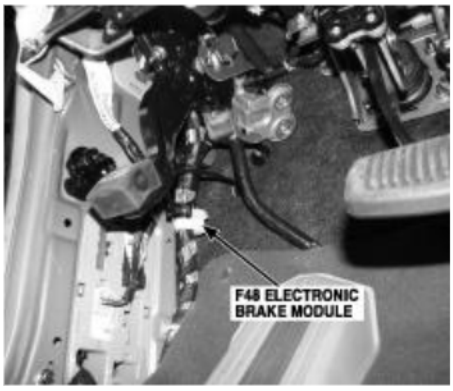


Fig. 95: Left Kick Panel
Courtesy of KIA MOTORS AMERICA, INC.

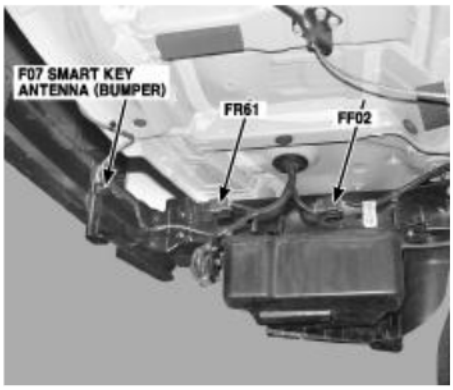


Fig. 96: Under Left Rear Of Vehicle
Courtesy of KIA MOTORS AMERICA, INC.

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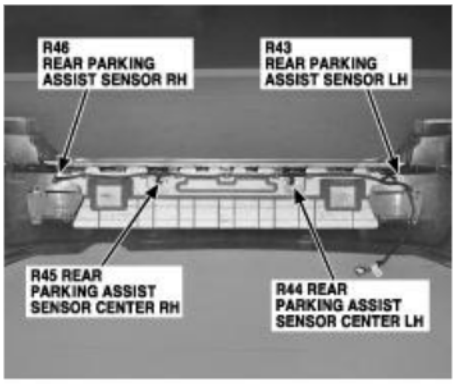


Fig. 97: Rear Bumper
Courtesy of KIA MOTORS AMERICA, INC.

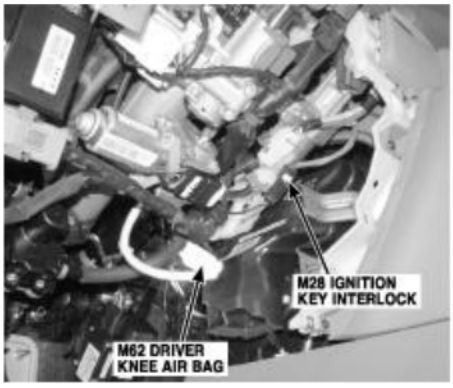


Fig. 98: Left Side Of Dash
Courtesy of KIA MOTORS AMERICA, INC.

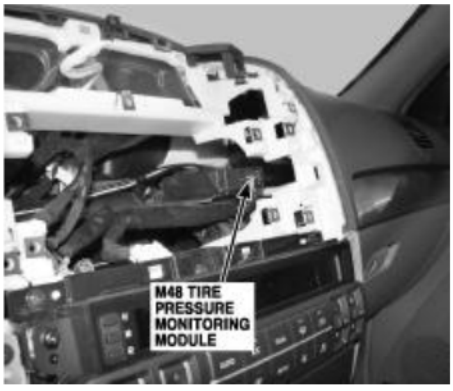


Fig. 99: Center Of Dash
Courtesy of KIA MOTORS AMERICA, INC.

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Fig. 100: Base Of Right "D" Pillar
Courtesy of KIA MOTORS AMERICA, INC.



Fig. 101: Under Rear Of Vehicle
Courtesy of KIA MOTORS AMERICA, INC.



Fig. 102: Under Right Side Of Rear Bumper
Courtesy of KIA MOTORS AMERICA, INC.

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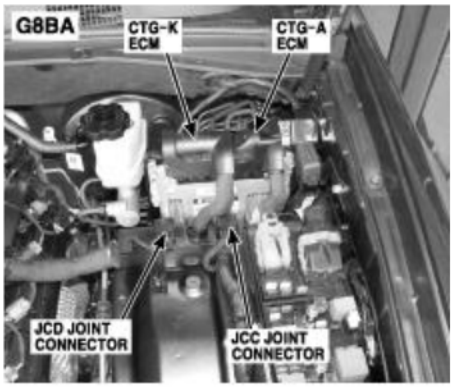


Fig. 103: Left Rear Of Engine Compartment (4.6L)
Courtesy of KIA MOTORS AMERICA, INC.

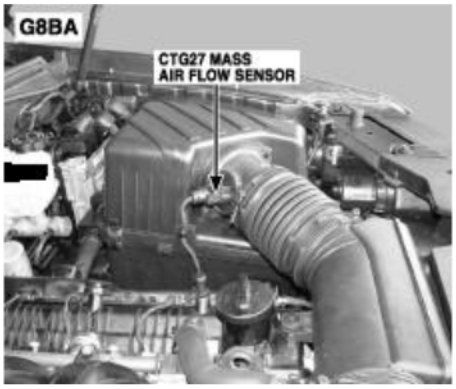


Fig. 104: Left Side Of Engine Compartment (4.6L)
Courtesy of KIA MOTORS AMERICA, INC.

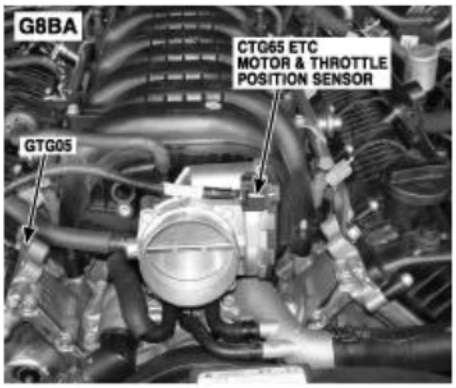


Fig. 105: Top Front Of Engine (4.6L)
Courtesy of KIA MOTORS AMERICA, INC.

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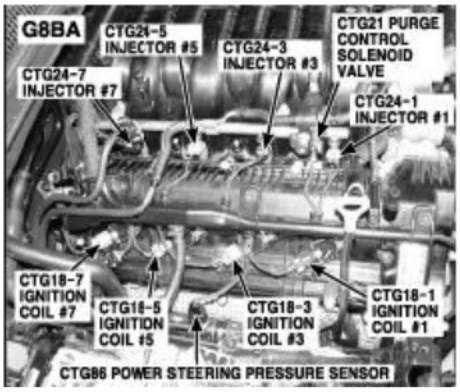


Fig. 106: Top Right Side Of Engine (4.6L)
Courtesy of KIA MOTORS AMERICA, INC.

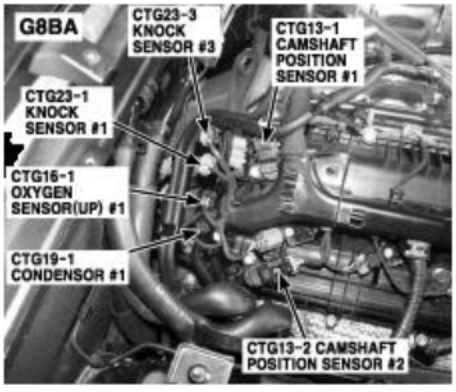


Fig. 107: Right Rear Of Engine (4.6L)
Courtesy of KIA MOTORS AMERICA, INC.

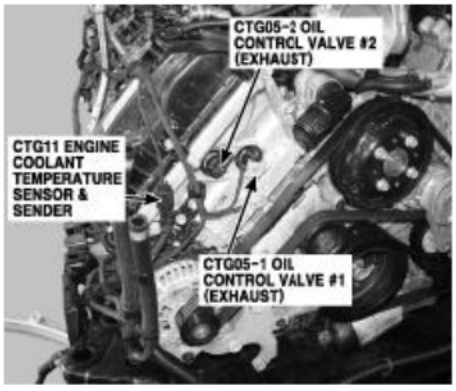


Fig. 108: Right Front Of Engine (4.6L)
Courtesy of KIA MOTORS AMERICA, INC.

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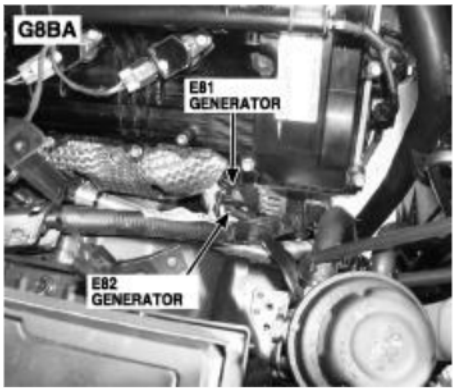


Fig. 109: Lower Right Front Of Engine (4.6L)
Courtesy of KIA MOTORS AMERICA, INC.

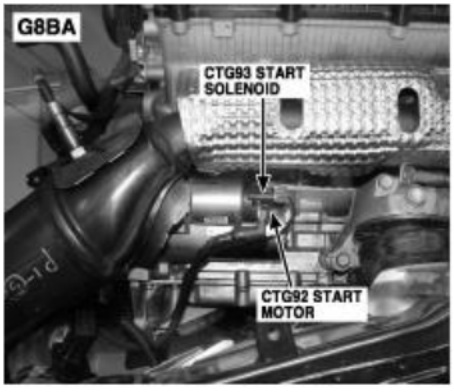


Fig. 110: Lower Right Rear Of Engine (4.6L)
Courtesy of KIA MOTORS AMERICA, INC.

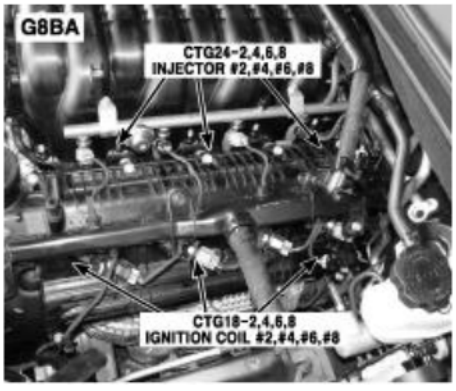


Fig. 111: Top Left Side Of Engine (4.6L)
Courtesy of KIA MOTORS AMERICA, INC.

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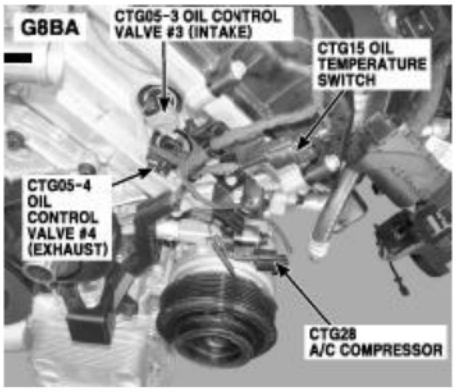


Fig. 112: Lower Left Front Of Engine (4.6L)
Courtesy of KIA MOTORS AMERICA, INC.

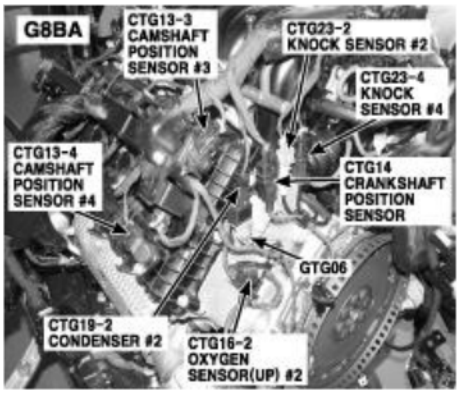


Fig. 113: Left Rear Of Engine (4.6L)
Courtesy of KIA MOTORS AMERICA, INC.

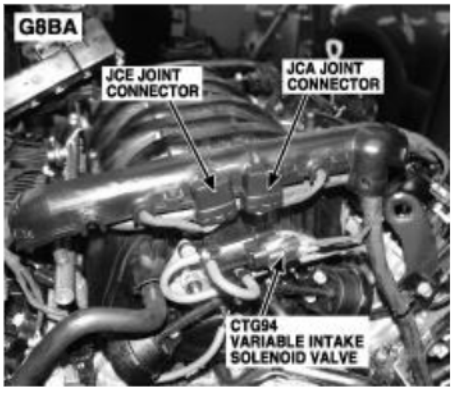


Fig. 114: Center Rear Of Engine (4.6L)
Courtesy of KIA MOTORS AMERICA, INC.

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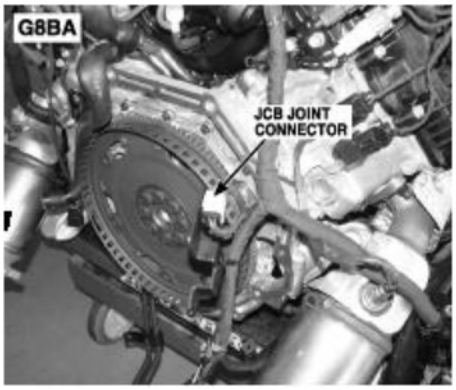


Fig. 115: Right Rear Of Engine (4.6L)
Courtesy of KIA MOTORS AMERICA, INC.



Fig. 116: Left Side Of Transmission (4.6L)
Courtesy of KIA MOTORS AMERICA, INC.

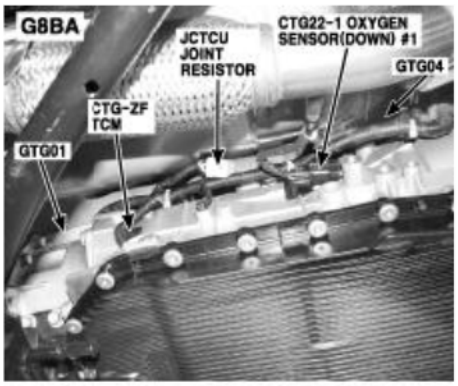


Fig. 117: Right Rear Of Transmission (4.6L)
Courtesy of KIA MOTORS AMERICA, INC.

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