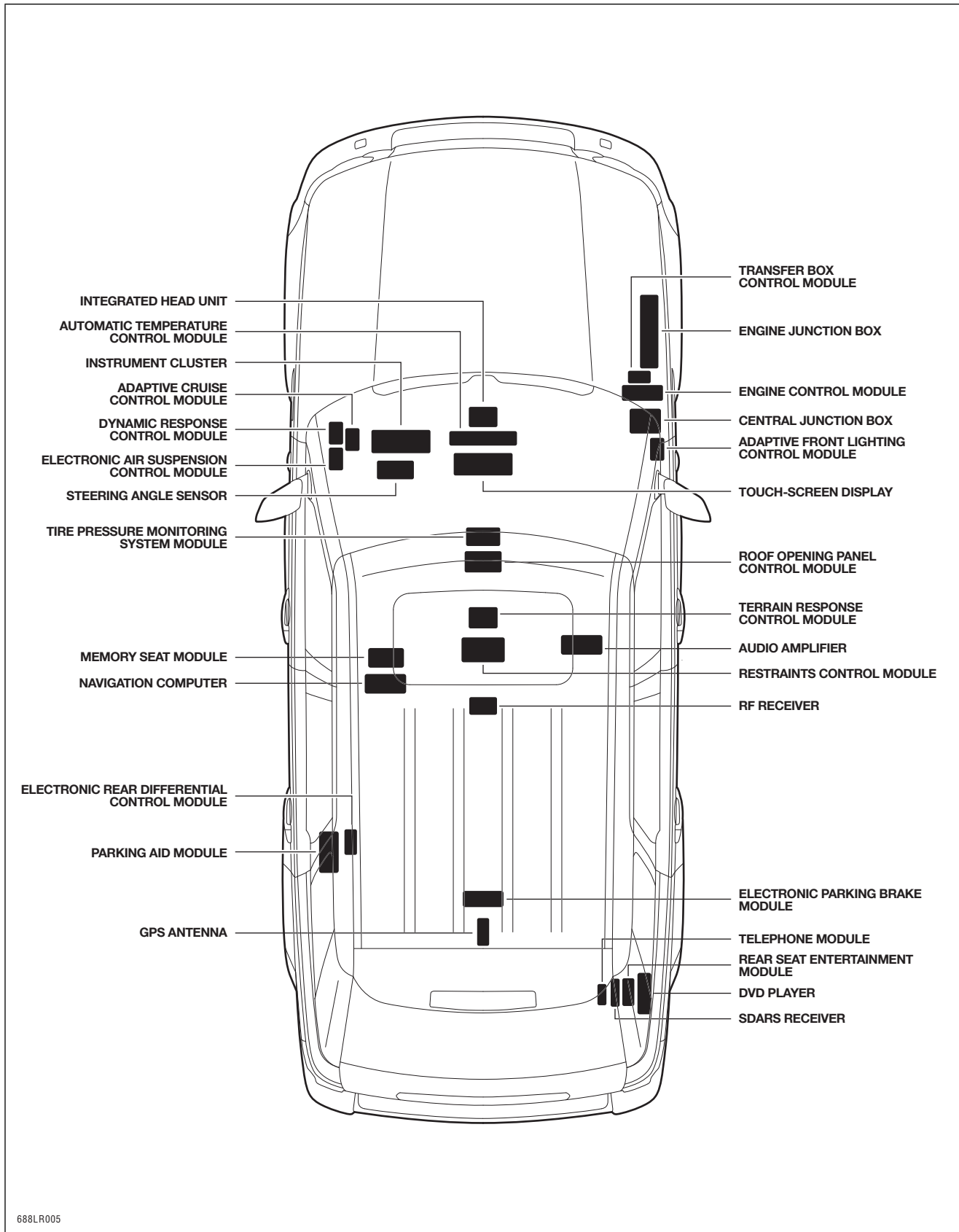


LS Control Modules



688LR005

Module	Network	Function	LA location	LS location
Anti-Lock Braking System Control Module	HS CAN	Controls antilock braking and dynamic stability control	Rear LH side of engine compartment	Rear LH side of engine compartment
Dynamic Response Module	HS CAN	Adjusts stabilizer bars to reduce cornering lean	N/A	Driver A-pillar
Electronic Air Suspension Control Module	HS CAN	Self-leveling of air suspension Servotronic (if equipped)	Left side fascia	Driver A-pillar
ECM	HS CAN	Controls engine in response to various sensor inputs	RH engine compartment, in E-box	RH engine compartment, in E-box
Electronic Parking Brake Module	HS CAN	Applies and releases parking brake	Above rear axle	Above rear axle
Rear Locking Differential Control Module	HS CAN	Locks rear differential as commanded by Terrain Response	Left C-pillar	Left C-pillar
Steering Angle Sensor	HS CAN	Transmits steering position information	Left side fascia	Underside of steering column
Speed control module	HS CAN	cruise control maintains set distance to vehicle ahead	Driver A-pillar	Driver A-pillar
Transfer Box Control Module	HS CAN	Locks center differential as commanded by Terrain Response	RH rear engine compartment	RH rear engine compartment
TCM	HS CAN	Controls transmission in response to various sensor inputs	Transmission oil pan	Transmission oil pan
Terrain Response Module	HS CAN	Optimizes operation of vehicle subsystems to achieve best traction	Center console	Center console
Adaptive Front Lighting System Control Module	HS CAN LIN Bus	Adjusts headlamp beam for cornering and leveling	Right A-pillar	Right A-pillar
Instrument Cluster	HS CAN MS CAN	Houses instruments in front of driver; acts as gateway between CAN networks	Left side fascia	Left side fascia
Restraints Control Module	HS CAN Private HS CAN	Deployment of supplementary restraint components	Center console	Beneath center console
Parking Aid Module	MS CAN	Indicates obstacles behind vehicle	Left C-pillar	Base of left C-pillar
Tire Pressure Monitoring System Module	MS CAN	Indicates if tires are underinflated	Top of LH B-pillar, behind headliner	Front headliner, behind interior light
Automatic Temperature Control Module	MS CAN LIN Bus	Heating and air conditioning systems	Behind heater control panel	Behind heater control panel
CJB	MS CAN LIN Bus	Body functions and power distribution; anti-theft	Right side fascia	Behind passenger side of fascia
Integrated Head Unit	MS CAN MOST	Audio; timing master for MOST network	Center fascia	Instrument panel, center
Parking Aid Module	MS CAN	Indicates obstacles behind vehicle	Left C-pillar	Base of left C-pillar

Module	Network	Function	LA location	LS location
Tire Pressure Monitoring System Module	MS CAN	Indicates if tires are underinflated	Top of LH B-pillar, behind headliner	Front headliner, behind interior light
Auxiliary Climate Control Module	LIN Bus	Rear heating and air conditioning system	Front Headliner	N/A
Memory Control Module	LIN Bus	Stores personalized seat, steering wheel, and mirror positions	Below left seat	Below left seat
Roof opening panel control module	LIN Bus	Contains anti-trap algorithm and controls roof opening panel in response to inputs	Front headliner	Front headliner
SDARS Receiver	MOST	Satellite radio	Behind RH rear quarter trim panel	Behind RH rear quarter trim panel
Telephone module	MOST	Interface between telephone and IHU; contains telephone voice recognition hardware and software	Behind RH rear quarter trim panel	Behind RH rear quarter trim panel
Touch Screen Display	MOST; Private HS CAN GVIF	Driver control interface for Rear Seat Entertainment, Navigation system, 4X4I, Rear view camera, Telephone	Center fascia	Instrument panel-center
Logic 7 amplifier	MOST SPDIF	Provides Dolby 7.1 output to speakers	Beneath RH Front seat	Beneath RH Front seat
Rear Seat Entertainment Module	MOST SPDIF Ai Net	Video and audio for rear seat passengers	Behind RH rear quarter trim panel	Behind RH rear quarter trim panel
DVD Player	Ai Net SPDIF	Plays video DVD, video CD and audio CDs for RSE	Behind RH rear trim panel	RH rear quarter trim panel
Navigation Computer	Private HS CAN GVIF	Provides location and route instructions; contains voice recognitions software	Beneath driver seat	Beneath driver seat
Engine Junction Box	Hardwired	Fuses and relays	Engine compartment	Engine compartment
GPS antenna	Hardwired	Receives satellite signals for navigation system	Adjacent to high-mounted stop light	Roof pod
RF receiver	Hardwired	Receives signals from remote handsets	Right rear Headliner	Behind center headliner