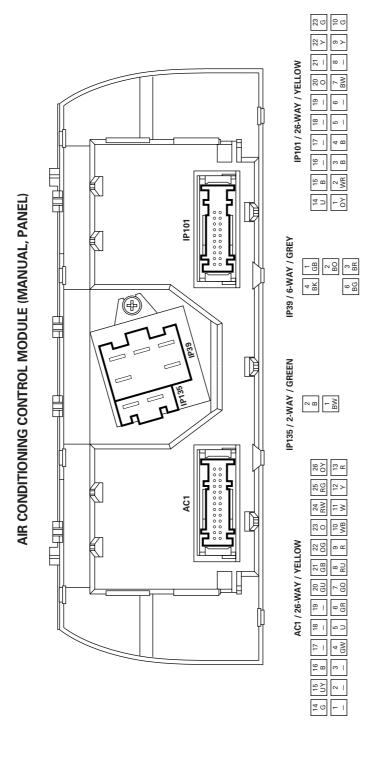


NOTE: TYPICAL NETWORK CONFIGURATION. REFER TO FIGURES 20.1, 20.2, 20.3 AND 20.4 FOR CIRCUIT DETAILS.



#### CONTROL MODULE PIN-OUT INFORMATION

#### Air Conditioning Control Module: Manual $\nabla$ Pin Description and Characteristic

~	1 111	Description and characteristic
0	AC1-04	FRESH / RECIRCULATION FLAP ACTUATOR DRIVE: TO ACTIVATE, A/CCM SWITCHES CIRCUIT TO B+ OR TO GROUND
0	AC1-05	FRESH / RECIRCULATION FLAP ACTUATOR DRIVE: TO ACTIVATE, A/CCM SWITCHES CIRCUIT TO B+ OR TO GROUND
0	AC1-06	DEFROST DOOR ACTUATOR STEPPER COIL 1 DRIVE: TO ACTIVATE, A/CCM SWITCHES CIRCUIT TO GROUND
0	AC1-07	DEFROST DOOR ACTUATOR STEPPER COIL 2 DRIVE: TO ACTIVATE, A/CCM SWITCHES CIRCUIT TO GROUND
0	AC1-08	PANEL / FLOOR ACTUATOR STEPPER COIL 1 DRIVE: TO ACTIVATE, A/CCM SWITCHES CIRCUIT TO GROUND
0	AC1-09	PANEL / FLOOR ACTUATOR STEPPER COIL 2 DRIVE: TO ACTIVATE, A/CCM SWITCHES CIRCUIT TO GROUND
0	AC1-10	AIR TEMPERATURE BLEND ACTUATOR STEPPER COIL 1 DRIVE: TO ACTIVATE, A/CCM SWITCHES CIRCUIT TO GROUND
0	AC1-11	AIR TEMPERATURE BLEND ACTUATOR STEPPER COIL 2 DRIVE: TO ACTIVATE, A/CCM SWITCHES CIRCUIT TO GROUND
0	AC1-12	AIR TEMPERATURE BLEND ACTUATOR POWER SUPPLY: B+
0	AC1-13	DEFROST DOOR ACTUATOR POWER SUPPLY: B+
- 1	AC1-14	EVAPORATOR TEMPERATURE SENSOR SIGNAL, NOMINAL 0 – 5 V: NTC SENSOR – VOLTAGE DECREASES AS TEMPERATURE INCREASES
1	AC1-15	DISCHARGE TEMPERATURE SENSOR SIGNAL, NOMINAL 0 – 5 V: NTC SENSOR – VOLTAGE DECREASES AS TEMPERATURE INCREASES
SG	AC1-16	SENSOR GROUND: GROUND
0	AC1-20	DEFROST DOOR ACTUATOR STEPPER COIL 3 DRIVE: TO ACTIVATE, A/CCM SWITCHES CIRCUIT TO GROUND
0	AC1-21	DEFROST DOOR ACTUATOR STEPPER COIL 4 DRIVE: TO ACTIVATE, A/CCM SWITCHES CIRCUIT TO GROUND
0	AC1-22	PANEL / FLOOR ACTUATOR STEPPER COIL 3 DRIVE: TO ACTIVATE, A/CCM SWITCHES CIRCUIT TO GROUND
0	AC1-23	PANEL / FLOOR ACTUATOR STEPPER COIL 4 DRIVE: TO ACTIVATE, A/CCM SWITCHES CIRCUIT TO GROUND
0	AC1-24	AIR TEMPERATURE BLEND ACTUATOR STEPPER COIL 3 DRIVE: TO ACTIVATE, A/CCM SWITCHES CIRCUIT TO GROUND
0	AC1-25	AIR TEMPERATURE BLEND ACTUATOR STEPPER COIL 4 DRIVE: TO ACTIVATE, A/CCM SWITCHES CIRCUIT TO GROUND
0	AC1-26	PANEL / FLOOR ACTUATOR POWER SUPPLY: B+
B+	IP101-01	BATTERY SAVER POWER SUPPLY: B+
B+	IP101-02	IGNITION SWITCHED POWER SUPPLY: B+
0	IP101-03	WINDSHIELD HEATER RELAY DRIVE: TO ACTIVATE, A/CCM SWITCHES CIRCUIT TO GROUND
0	IP101-04	HEATED REAR WINDOW RELAY DRIVE: TO ACTIVATE, A/CCM SWITCHES CIRCUIT TO GROUND
I	IP101-07	BLOWER SPEED SENSE: B+ WHEN BLOWER OFF, 0 V WHEN BLOWER RUNNING
С	IP101-09	CAN +
C	IP101-10	CAN -
B+	IP101-14	BATTERY POWER SUPPLY: B+
PG	IP101-15	POWER GROUND: GROUND
1	IP101-20	DIMMER CONTROLLED ILLUMINATION: PWM, 80Hz, GROUND = 0% DUTY CYCLE, B+ = 100% DUTY CYCLE
С	IP101-22	CAN+
С	IP101-23	CAN -
0	IP135-1	BLOWER SPEED CONTROL 1: TO ACTIVATE, A/CCM SWITCHES CIRCUIT TO GROUND
PG	IP135-2	BLOWER GROUND: GROUND
0	IP39-1	BLOWER SPEED CONTROL 6: TO ACTIVATE, A/CCM SWITCHES CIRCUIT TO GROUND
0	IP39-2	BLOWER SPEED CONTROL 4: TO ACTIVATE, A/CCM SWITCHES CIRCUIT TO GROUND
0	IP39-3	BLOWER SPEED CONTROL 2: TO ACTIVATE, A/CCM SWITCHES CIRCUIT TO GROUND
0	IP39-4	BLOWER SPEED CONTROL 3: TO ACTIVATE, A/CCM SWITCHES CIRCUIT TO GROUND
0	IP39-6	BLOWER SPEED CONTROL 5: TO ACTIVATE, A/CCM SWITCHES CIRCUIT TO GROUND

NOTE: Refer to the Appendix at the rear of this book for Network Messages.

The following abbreviations are used to represent values for Control Module Pin-Out data

I	Input	PG	Power Ground	CAN	CAN Network	D	Serial and Encoded Data
O	Output	SS	Sensor / Signal Supply V	SCP	SCP Network	V	Voltage (DC)
B+	Battery Voltage	SG	Sensor / Signal Ground	D2	D2B Network	PWM	Pulse Width Modulated

CAUTION: The information on this data page is furnished to aid the user in understanding circuit operation. THIS INFORMATION SHOULD BE USED FOR

NOTE: The characteristics listed are approximately those that can be expected at the control module connector pins with all circuit connections made and all components connected and fitted.

#### Fig. 06.1

#### COMPONENTS

Component	Connector(s)	<b>Connector Description</b>	Location
AIR CONDITIONING BLOWER RELAY	_	_	CENTRAL JUNCTION FUSE BOX R20
AIR CONDITIONING CONTROL MODULE (MANUAL, PANEL)	AC1 IP39 IP101 IP135	26-WAY / YELLOW 6-WAY / GREY 26-WAY / YELLOW 2-WAY / GREY	BEHIND CLIMATE CONTROL PANEL
AIR TEMPERATURE BLEND ACTUATOR	AC2	6-WAY / BLACK	RH SIDE OF AIR DISTRIBUTION UNIT
BLOWER (MANUAL)	IP58	2-WAY / GREY	BEHIND INSTRUMENT PANEL, RH SIDE / LHD, LH SIDE / RHD
BLOWER SERIES RESISTOR	IP121	6-WAY / GREY	ADJACENT TO BLOWER MOTOR
CENTRAL JUNCTION FUSE BOX	CA75 CA76 CA77 CA78 IP1 IP2 IP3 IP4 JB50 JB51 JB51	8-WAY / GREY 16-WAY / GREEN 2-WAY / GREY 16-WAY / GREY 14-WAY / GREEN 16-WAY / GREY 2-WAY / GREY 14-WAY / GREY 4-WAY / GREY 16-WAY / BLUE 2-WAY / BLUE	PASSENGER COMPARTMENT, FRONT BULKHEAD LH SIDE
DEFROST DOOR ACTUATOR	AC4	6-WAY / BLACK	RH SIDE OF AIR DISTRIBUTION UNIT
DISCHARGE TEMPERATURE SENSOR	AC6	2-WAY / BLACK	RH SIDE OF AIR DISTRIBUTION UNIT
DOOR MIRROR – LH	FL5	22-WAY / BLACK	LH FRONT DOOR
DOOR MIRROR – RH	FR4	22-WAY / BLACK	RH FRONT DOOR
EVAPORATOR TEMPERATURE SENSOR	AC5	2-WAY / BLACK	RH SIDE OF AIR DISTRIBUTION UNIT
FRESH / RECIRCULATION FLAP ACTUATOR	AC7	4-WAY / BLACK	LH SIDE OF AIR DISTRIBUTION UNIT (LHD) RH SIDE OF AIR DISTRIBUTION UNIT (RHD)
HEATED REAR WINDOW	ZA1 ZA10	_ _	REAR WINDOW
HEATED REAR WINDOW RELAY	_	_	CENTRAL JUNCTION FUSE BOX R19
PANEL / FLOOR ACTUATOR	AC3	6-WAY / BLACK	RH SIDE OF AIR DISTRIBUTION UNIT
POWER DISTRIBUTION FUSE BOX	_	_	ENGINE COMPARTMENT LH SIDE
WINDSHIELD HEATER – LH	JB95	2-WAY / BLACK	WINDSHIELD
WINDSHIELD HEATER - RH	JB96	2-WAY / BLACK	WINDSHIELD
WINDSHIELD HEATER RELAY	_	_	POWER DISTRIBUTION FUSE BOX R2

#### HARNESS IN-LINE CONNECTORS

Connector	Connector Description	Location
CA15	20-WAY / BLACK / DOOR HARNESS TO CABIN HARNESS	DRIVER SIDE A POST
CA20	20-WAY / BLACK / DOOR HARNESS TO CABIN HARNESS	DRIVER SIDE A POST
CA127	2-WAY / GREY / CABIN HARNESS TO HEATED REAR WINDOW	BEHIND LH E POST TRIM

GROUNDS	
Ground	Location
G3	PASSENGER COMPARTMENT / LH E POST
G4	PASSENGER COMPARTMENT / RH LOWER A POST
G14	ENGINE COMPARTMENT / REARWARD OF POWER DISTRIBUTION FUSE BOX
G15	PASSENGER COMPARTMENT / LH LOWER A POST
G36	PASSENGER COMPARTMENT / RH CROSS CAR BEAM
G37	PASSENGER COMPARTMENT / LH CROSS CAR BEAM

FOR CONTROL MODULE PIN-OUT INFORMATION, UNFOLD PAGE TO LEFT.

Refer to the front of this book for detailed information and illustrations regarding the location and identification of harnesses, relays, fuses, grounds, control modules and control module pins.



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No.	Message Name	Usage	Source	ABS/TCCM ABSCM	DSCCM	ECM	TCM	IC	A/CCM	HLCM	JGM	SWS	YRS	DIAG
020h	CAN REFLASH WDS ECM	Flash reprogramming command	DIAG			×								
030h	CAN REFLASH ECM WDS	Confirms flash reprogramming	ECM											×
040h	CAN PATS SEQUENCE IC	Defines security clearance stage	IC			×								
040h	CAN IGNITION OFF TIMER	Rolling time ignition has been in position I or 0	C			×								
040h	CAN PATS DATA IC	Security system IC data	IC			×								
046h	CAN PATS SEQUENCE ECM	Defines security clearance stage	ECM					×						
046h	CAN PATS DATA ECM	Security system ECM data	ECM					×						
065h	CAN ENGINE TORQUE REQUEST	Torque reduction request: throttle control	ABSCM			×								
065h	CAN ENGINE TORQUE REQUEST	Torque reduction request: throttle control	ABS/TCCM			×								
065h	CAN ENGINE TORQUE REQUEST	Torque reduction request: throttle control	DSCCM			×								
065h	CAN TEMPORARY TORQUE REQUEST	Torque reduction request: ignition timing, fuel cutoff	ABSCM			X								
065h	CAN TEMPORARY TORQUE REQUEST	Torque reduction request: ignition timing, fuel cutoff	ABS/TCCM			×								
065h	CAN TEMPORARY TORQUE REQUEST	Torque reduction request: ignition timing, fuel cutoff	DSCCM			X								
070h	CAN YRS TEST MODE	YRS test data	YRS		×									
070h	CAN YRS POS TM BIT	YRS test data	YRS		×	)								
070h	CAN YRS ERROR BIT	YRS test data	YRS		×									
070h	CAN YRS TEMP ERROR BIT	YRS test data	YRS		×	)								
070h	CAN YRS CAL RESPONSE	YRS response to CAN YRS CAL message	YRS		×	)								
070h	CAN YRS IDB RESPONSE	YRS response to CAN YRS IDB message	YRS		×	)								
070h	CAN YAW RATE SIGNAL	Yaw rate value	YRS		×	)								
070h	CAN LATERAL ACCEL SIGNAL	Lateral acceleration value	YRS		×	)								
075h	CAN YRS STM	YRS, switch to test mode command	DSCCM										×	
075h	CAN YRS CAL	Calibration information	DSCCM										×	
075h	CAN YRS IDB	YRS identification byte	DSCCM										×	
080h	CAN STEERING WHEEL ANGLE	Steering wheel angle value	SWS		×	)								
080h	CAN STEERING WHEEL SPEED	Steering wheel rotation speed	SWS		×	)								
080h	CAN STEERING WHEEL STATUS	Validates SWS	SWS		×									
080h	CAN SWS MSG COUNT	Confirms SWS messages received	SWS		×									
080h	CAN SWS CHECKSUM	Validates SWS messages	SWS		×									
									l					

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								Re	Receivers	.rs				
				ABSC	ABS/TCC	DSCC	EC	TC	A/CC	HLC	JG	SW	YI	DIA
No.	Message Name	Usage	Source	М	М			IC M				VS	RS	G
4/60	CAN INDICATED ENGINE TORQUE	Estimated available torque: current engine speed, load, ignition timing and fuelling intervention not included	ECM	×	×	×	^	×						
<b>4</b> /60	CAN ENGINE FRICTION TORQUE	Estimated torque loss caused by: engine friction, engine driven accessories	ECM	×	×	×		×						
ч/60	CAN ACTUAL ENGINE TORQUE	Estimated available torque: current engine speed, load ignition timing and fuelling	ECM	×	×	×	^	×						
4260	CAN DRIVER DEMAND TORQUE	Estimated available torque: current throttle pedal position, no intervention included	ECM	×	×	×	^	×						
46O0	CAN TORQUE REDUCTION REQUEST	Torque reduction requested for shift energy management (uses ignition intervention only)	TCM				×							
0C9h	CAN TRANSMISSION TORQUE LIMIT	Engine torque limit with current transmission fault	TCM				×							
ч6Э0	CAN TORQUE CONVERTER SLIP	Percentage of torque converter slip	TCM	×	×	×	×							
46Э0	CAN TRANSMISSION INPUT SPEED	Transmission input shaft RPM	TCM				×							
46O0	CAN TRANSMISSION OUTPUT SPEED	Transmission output shaft RPM	TCM				×							
0FBh	CAN TRACTION SHIFT MAP	Use Traction Shift Map	ABSCM				^	×						
0FBh	CAN TRACTION SHIFT MAP	Use Traction Shift Map	ABS/TCCM				^	×						
0FBh	CAN TRACTION SHIFT MAP	Use Traction Shift Map	DSCCM				^	×						
0FBh	CAN OBD II ABS CLEAR ACK	Confirms ABS OBD II DTCs cleared	ABSCM				×							
0FBh	CAN OBD II ABS CLEAR ACK	Confirms ABS OBD II DTCs cleared	ABS/TCCM				×							
4840	CAN OBD II ABS CLEAR ACK	Confirms DSC OBD II DTCs cleared	DSCCM				×							
0FBh	CAN ABS FAULT CODE MIL STATUS	Indicates flagged DTC requires MIL illumination	ABSCM				×							
0FBh	CAN ABS FAULT CODE MIL STATUS	Indicates flagged DTC requires MIL illumination	ABS/TCCM				×							
0FBh	CAN ABS FAULT CODE MIL STATUS	Indicates flagged DTC requires MIL illumination	DSCCM				×							
0FBh	CAN ABS STATUS	Indicates when ABS system is functioning	ABSCM											
0FBh	CAN ABS STATUS	Indicates when ABS system is functioning	ABS/TCCM											
0FBh	CAN ABS STATUS	Indicates when ABS system is functioning	DSCCM											
4840	CAN VEHICLE REFERENCE SPEED	Vehicle speed (reference wheel circumference X wheel rotation speed)	ABSCM				×	X	X					
0FBh	CAN VEHICLE REFERENCE SPEED	Vehicle speed (reference wheel circumference X wheel rotation speed)	ABS/TCCM				×	×	X					
0FBh	CAN VEHICLE REFERENCE SPEED	Vehicle speed (reference wheel circumference X wheel rotation speed)	DSCCM				×	X	×					
0FBh	CAN ABS FAULT CODES	Indicates ABS DTCs to store in the ECM	ABSCM				×							
0FBh	CAN ABS FAULT CODES	Indicates ABS DTCs to store in the ECM	ABS/TCCM				×							
0FBh	CAN ABS FAULT CODES	Indicates ABS DTCs to store in the ECM	DSCCM				×							



								Rec	Receivers	s				
No.	Message Name	Usage	Source	ABSCM	ABS/TCCM	DSCCM	TCM ECM	IC	A/CCM	HLCM	JGM	SWS	YRS	DIAG
0FBh	CAN ODO ROLLING COUNT	Rolling count of distance vehicle has travelled	ABSCM					×						
0FBh	CAN ODO ROLLING COUNT	Rolling count of distance vehicle has travelled	ABS/TCCM					×						
0FBh	CAN ODO ROLLING COUNT	Rolling count of distance vehicle has travelled	DSCCM					×						
0FBh	CAN ABS MALFUNCTION	ABS and brakes malfunction data, also activates IC warnings	ABSCM				×	×						
0FBh	CAN ABS MALFUNCTION	ABS/TC and brakes malfunction data, also activates IC warnings	ABS/TCCM				×	×						
0FBh	CAN ABS MALFUNCTION	ABS, DSC and brakes malfunction data, also activates IC warnings	DSCCM				×	×						
0FBh	CAN ABS FLAGS	ABS and brake systems status and flag information	ABSCM				×	×						
0FBh	CAN ABS FLAGS	ABS/TC and brake systems status and flag information	ABS/TCCM				×	×						
0FBh	CAN ABS FLAGS	ABS, DSC and brake systems status and flag information	DSCCM				×	×						
120h	CAN TRANS INPUT INDICATED TORQUE	Engine torque input to transmission, includes interventions	ECM	×	×	×	×							
12Dh	CAN ENGINE ACCELERATION	Rate of engine speed increase	ECM	×	×	×								
12Dh	CAN THROTTLE POSITION	Target throttle valve position	ECM	×	×	×	×							
12Dh	CAN PEDAL POSITION	Accelerator pedal position, driver throttle demand	ECM	×	×	×	×							
12Dh	CAN ENGINE SPEED	Engine speed in RPM	ECM	×	×	×	×	X	×					
12Dh	CAN ALTERNATOR STATUS	Alternator status: fault or OK	ECM					X						
12Dh	CAN CRUISE STATUS	Cruise control status: Override switch active, Cruise ON, enabled, resuming	ECM				×	×						
12Dh	CAN OBD II CLEAR FAULT CODES	Request ABS and TCM to clear OBD DTCs	ECM	×	×	×	×							
12Dh	CAN BRAKE PEDAL PRESSED	Brake switch status	ECM				×			X				
12Dh	CAN CRANK IN PROGRESS	Engine cranking in progress	ECM	×	×	×	×	×	×					
12Dh	CAN TRACTION ACKNOWLEDGE	Confirms torque reduction in progress, can / cannot achieve, unable to respond	ECM	×	×	×								
12Dh	CAN FUEL CAP WARNING	Display Check Fuel Cap warning	ECM					×						
1F5h	CAN BRAKE FLUID LOW	Display Brake Fluid Level Low	1C	×	×	X								
1F5h	CAN PARK BRAKE STATUS	Parking brake: OFF / ON	21	×	×	×	×							
1F5h	CAN DIPPED BEAM STATUS	Headlight dipped beam: OFF / ON	)IC				×		×	×				
1F5h	CAN REV GEAR MAN SELECTED	Manual transmission only, reverse gear selected	IC				×							
1F5h	CAN OIL PRESSURE LOW	Engine oil pressure below specification	IC				×							
1F5h	CAN RESTRICT RCC BLOWERS	Restrict climate control blower speed	1C						×					
1F5h	CAN FUEL LEVEL DAMPED	Damped fuel level (fuel gauge signal)	)IC				×							

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15h   QWI PEL LINEL EMPL EMPL EMPL EMPL EMPL   The lock service 1 spoul before signal conditioning)   15h   QWI PEL LINEL EMPL EMPL EMPL EMPL EMPL EMPL EMPL EM									-	Receivers	/ers				
Average Name					ABSC	ABS/TCC	DSCC	EC	TC			·			
CAN PUELLEVELRAW1   Fiel leed sender 1 signal Obediore signal conditioning   CON PUELLEVELRAW2   Fiel leed sender 2 signal Ornditioning   CON PUELLEVELRAW2   Fiel leed sender 2 signal Ornditioning   CON SEAR POSITION ACTUAL. Thansnission pear positions: P. N. J. 3. 4, 5, 8, or shift in progress   TCM   Thansnission pear positions: P. N. D. 4, 3. 2. or selector   TCM	ò	Message Name	Usage	Source	M	M	M	M	M	ıс					
CAN TUEL LEPEL RAW2   Feel level sender 2 signal thefore signal conditioning   CAN CEAR POSITION ACTUAL   Transmission gear positions: N. 1, 2, 3, 4, 5, R, or shift in progress   TCM   N	1F5h	GAN FUEL LEVEL RAW 1	Fuel level sender 1 signal (before signal conditioning)	IC				×							
CAN TRANSMISSION SHIFT MAP   Transmission gear positions: N, 1, 2, 3, 4, 5, R, or shift in progress   TCM   N	11:5h	GAN FUEL LEVEL RAW 2	Fuel level sender 2 signal (before signal conditioning)	)IC				×							
CAN TRANSMISSION SHIFT MAP         Tansemission rodary switch positions: P, R N, D, 4, 3, 2 or selector         TCM         X           CAN TRANSMISSION SHIFT MAP         Transmission rodary signals         TCM         X         TCM         X           CAN TRANSMISSION OIL TEMPERATURE         Transmission malfunction data, also activate transmission warming         TCM         X           CAN TRANSMISSION MALFUNCTION         Transmission malfunction data, also activate transmission warming         TCM         X           CAN TRANSMISSION MALFUNCTION         Transmission malfunction data, also activate transmission warming         TCM         X           CAN TRANSMISSION MALFUNCTION         Transmission malfunction data, also activate transmission warming         TCM         X           CAN TRANSMISSION MALFUNCTION         Transmission malfunction data, also activate transmission malfunction data, all data malfully         TCM         X           CAN TRANSMISSION MALITACIDE         Indicates transmission fault codes to store ECM         TCM         X           CAN PECCENTRAL         Confirms transmission gear position for traction control)         TCM         X           CAN PECCENTRAL         Predicted Accompressor clutch ON / OFF         CAN         CAN         CAN           CAN PECCENTRAL         Pr		GAN GEAR POSITION ACTUAL	1, 2, 3, 4, 5,	TCM	×	×	×	×		×					
CAN TRANSMESION SHIFT MAP         TCM shift map in use signal: Normal, Sport, Hot, Gradient, Traction.         TCM         X           CAN TRANSMESION SHIFT MAP         Transmission duit demperature 40 °C to 214 °C. Note: will not ecceed 150 °C.         TCM         X           CAN TRANSMESION OIL TEMPERATURE         Transmission malfunction data, also activate transmission warning sgnals in the converter clutch disengaged, engaged or constant slip         TCM         X           CAN TORQUE CONVERTER STATUS         Transmission malfunction data, also activate transmission warning         TCM         X           CAN TORQUE CONVERTER STATUS         TCM FEAR EXCITON FAULT         CAN GEAR POSITION SELECTED signal validity         TCM         X           CAN DEAR SELECTION FAULT         CAN GEAR POSITION SELECTED signal validity         TCM         X           CAN DEAR SELECTION FAULT CODE MIL STATUS         Switch Performance Mode LED ON / OFF         TCM         X           CAN DEAR POSITION TARGET         Confirms transmission gear position (for traction control)         TCM         X           CAN DEAR POSITION TARGET         Meta-catual transmission gear position (for traction control)         TCM         X           CAN DEAR POSITION TARGET         ACA Criftgerant pressure, for fan control and diagnostics         TCM         X           CAN DEAR POSITION TARGET         ACA Criftgerant pressure, for fan control and diagnostics         ACA ON	3 <b>E</b> 9h	dan gear position selected	Transmission rotary switch positions: P, R N, D, 4, 3, 2, or selector between positions signals	TCM				×		×		_	-		
CAN TRANSMISSION OIL TEMPERATURE  GAN TRANSMISSION OIL TEMPERATURE  GAN TRANSMISSION MALFUNCTION  TEXT TRANSMISSION MALFUNCTION  TEXT TRANSMISSION MALFUNCTION  TEXT TRANSMISSION MALFUNCTION  TEXT TRANSMISSION MALFUNCTION  TOTIC CAN CEAR POSITION SELECTED signal validity  GAN CEAR SELECTION FAULT  GAN CEAR POSITION SELECTED signal validity  GAN CEAR POSITION SELECTED signal validity  GAN DEL NEUTRAL CONTROL  GAN DEL NEUTRAL CONTROL  GAN DER PROTOR OFF  GAN TEAR MAN TRANSMISSION FAULT CODE MIL STATUS  GAN DER TRANSMISSION FAULT CODE  GAN ACCUTCH INHIBIT STATUS  GONTIFMS AT COMPRESSOR COULNG FAN REQUEST  GAN ACCUTCH INHIBIT STATUS  GONTIFMS AND COMPRESSOR TORQUE  GAN ACCOUNCE FAN FEEDBACK  ACAEL COOLING FAN PEEDBACK  ACAEL COOLING	3E9h	CAN TRANSMISSION SHIFT MAP	TCM shift map in use signal: Normal, Sport, Hot, Gradient, Traction, Manual, or Cruise	TCM	×	×	×	×							ì
CAN TRANSMISSION MALFUNCTION         Transmission malfunction data, also activate transmission warning signals           CAN TCM CONFIG FLAG         TCM PECUS programmed YES / NO           CAN TORQUE CONVERTER STATUS         Torque converter clutch disengaged, engaged or constant slip           CAN GEAR SELECTION FAULT         CAN GEAR POSITION SELECTED signal validity           CAN GEAR SELECTION FAULT         CAN GEAR POSITION SELECTED signal validity           CAN GEAR POSITION SELECTION FAULT         CAN GEAR POSITION SELECTED signal validity           CAN GEAR FOURTAL CODE MIL STATUS         Indicates flagged DTC requires MIL illumination           CAN OBD IT CAN FAULT CODE MIL STATUS         Confirms transmission GBD DTCs cleared           CAN GEAR POSITION TARGET         Next actual transmission fault codes to store ECM           CAN GEAR POSITION TARGET         ACC refrigerant pressure, for fan control and diagnostics           CAN GEAR POSITION TARGET         ACC refrigerant pressure, for fan control and diagnostics           CAN ACCLUTCH INHIBIT STATUS         Confirms AC compressor clutch ON OFF           CAN ACCLUTCH INHIBIT STATUS         Confirms AC compressor clutch ON OFF           CAN AMBIENT TEMPERATURE         Actual cooling fan speed. Response to COOLING FAN REQUEST           CAN AMBIENT TEMPERATURE         Outside air temperature 40°C to 80°C (40°F to 176°F)           CAN ACCOMMANDS         Request AC compressor torque in 100 ms		CAN TRANSMISSION OIL TEMPERATURE	Transmission fluid temperature –40 °C to 214 °C. Note: will not exceed 150 °C	TCM				×		×					İ
CAN TCM CONFIG FIAG  TEM PECUS programmed YES /NO  GAN GEAR POSITION SELECTED signal validity  GAN GEAR POSITION SELECTED signal validity  GAN GEAR POLIT CODE MIL STATUS  GAN OBD II TCM CLEAR ACK  GAN TRANSMISSION FAULT CODES  Indicates transmission gear position (for traction control)  GAN DECENTION TARGET  AC refrigerant pressure, for fan control and diagnostics  GAN BESSURE TRANSDUCER  GAN AC CLUTCH INHIBIT STATUS  GAN AC CLUTCH INHIBIT STATUS  GAN AC CLUTCH INHIBIT STATUS  GAN AC COUING FAN FEEDBACK  GAN AMBIENT TEMPERATURE  GAN COUING FAN FEEDBACK  GAN COUING FAN FEEDBACK  GAN COUING FAN FEEDBACK  GAN AMBIENT TEMPERATURE  GAN COMPRESSOR TORQUE  GAN AMBIENT TEMPERATURE  GAN AMBIENT TEMPERATURE  GAN AMBIENT TEMPERATURE  GAN AMBIENT TEMPERATURE  GAN COMPRESSOR TORQUE  GAN AMBIENT TEMPERATURE  THE TEMPERATURE  GAN AMBIENT TEMPERATURE  GAN AMBIENT TEMPERATURE  GAN ACC CHOTH NOW OFF MAXIMUM WINGSHIELD WINGS AND WINGSHIELD WINGS AND WINGSHIELD WINGS AND WINGSHIELD WINGS AND WINGSHIELD WINGSHIELD WINGS AND WINGSHIELD WINGS	3E9h	dan transmission malfunction	Transmission malfunction data, also activate transmission warning signals	TCM	×	×	×	×		×					
CAN TORQUE CONVERTER STATUS       Torque converter clutch disengaged, engaged or constant slip         CAN GEAR SELECTION FAULT       CAN GEAR POSITION SELECTED signal validity         CAN IDLE NEUTRAL CONTROL       Idle neutral control in / not in progress         CAN IDLE NEUTRAL CONTROL       Idle neutral control in / not in progress         CAN PERFORMANCE MODE INDICATION       Switch Performance Mode LED ON / OFF         CAN TOM TEAULT CODE MIL STATUS       Confirms transmission OBD DTCs cleared         CAN OBD II TCM CLEAR ACK       Confirms transmission Garb DTCs cleared         CAN OBD II TCM CLEAR ACK       Indicates transmission gear position (for traction control)         CAN GEAR POSITION TARGET       AC refrigerant pressure, for fan control and diagnostics         CAN PRESSURE TRANSDUCER       Applies intake air temperature: 40°C to 80°C (40°F to 176°F)         CAN ELCTRICAL LOAD MANAGEMENT       Engine intake air temperature: 40°C to 80°C (40°F to 176°F)         CAN COLING FAN FEEDBACK       Actual cooling fan speed. Response to COOLING FAN REQUEST         CAN COLING FAN FEEDBACK       Actual cooling fan speed. Response to COOLING FAN REQUEST         CAN AC COMMANDS       Predicted A/C compressor torque in 100 ms         CAN A/C STATUS       Indicates: windshield, rear door mirrors, and windshield wiper park are alreaded on the case of	3E9h	CAN TCM CONFIG FLAG	TCM PECUS programmed YES / NO	TCM						×					
GAN GEAR SELECTION FAULT       CAN CEAR POSITION SELECTED signal validity         GAN IDLE NEUTRAL CONTROL       Idle neutral control in / not in progress         GAN IDLE NEUTRAL CONTROL       Idle neutral control in / not in progress         GAN PERFORMANCE MODE INDICATION       Switch Performance Mode LED ON / OFF         GAN TCM FAULT CODE MIL STATUS       Indicates flagged DTC requires MIL illumination         GAN GEAR POSITION TARGET       Confirms transmission Gault codes to store ECM         GAN GEAR POSITION TARGET       Next actual transmission fault codes to store ECM         GAN GEAR POSITION TARGET       Next actual transmission gear position (for traction control)         GAN GEAR POSITION TARGET       AC refrigerant pressure, for fan control and diagnostics         GAN GEAR POSITION TARGET       AC refrigerant pressure, for fan control and diagnostics         GAN GEAR POSITION TARGET       AC refrigerant pressure, for fan control and diagnostics         GAN AC CLUTCH INHIBIT STATUS       Gonfirms AC compressor clutch ON / OFF         GAN AC CLUTCH INHIBIT STATUS       Actual transmission gead. Response to COOLING FAN REQUEST         GAN ENGINE FAN FEEDBACK       Actual cooling fan speed. Response to COOLING FAN REQUEST         GAN ACCOMMANDS       Request A/C compressor ON / OFF. Maximum heat required: YES / NO         GAN AC STATUS       Indicates: windshield, rear door mirrors, and windshield wiper park are heater ON / OFF and blower speed<	3E9h	dan torque converter status	Torque converter clutch disengaged, engaged or constant slip	TCM	×	×	×	×							
CAN IDLE NEUTRAL CONTROL       Idle neutral control in / not in progress         CAN PERFORMANCE MODE INDICATION       Switch Performance Mode LED ON / OFF         CAN PERFORMANCE MODE INDICATION       Indicates flagged DTC requires MIL illumination         CAN OED II TCM CLEAR ACK       Confirms transmission OBD DTCs cleared         CAN OED II TCM CLEAR ACK       Confirms transmission fault codes to store ECM         CAN GEAR POSITION TARGET       Next actual transmission gear position (for traction control)         CAN GEAR POSITION TARGET       A/C refrigerant pressure, for fan control and diagnostics         CAN ENGINE INTAKE TEMPERATURE       Engine intake air temperature: 40 °C to 80 °C (40 °F to 176 °F)         CAN ENCINCIAL INHIBIT STATUS       Inhibit: heated rear window, windshield, wiper park area, automatic         CAN ELECTRICAL LOAD MANAGEMENT       Inhibit: heated rear window, windshield, wiper park area, automatic         CAN COLING FAN FEEDBACK       Actual cooling fan speed. Response to COOLING FAN REQUEST         CAN COLING FAN FEEDBACK       Actual cooling fan speed. Response to COOLING FAN REQUEST         CAN COMPRESSOR TORQUE       Predicted A/C compressor torque in 100 ms         CAN A/C STATUS       Request A/C compressor torque in 100 ms         CAN A/C STATUS       Indicates: windshield, rear door mirrors, and windshield wiper park area area area windshield, rear door mirrors, and windshield wiper park area area area area windshield. <td></td> <td>dan gear selection fault</td> <td></td> <td>TCM</td> <td></td> <td></td> <td></td> <td>×</td> <td></td> <td>×</td> <td></td> <td>_</td> <td></td> <td></td> <td></td>		dan gear selection fault		TCM				×		×		_			
CAN PERFORMANCE MODE INDICATION       Switch Performance Mode LED ON / OFF         CAN TCM FAULT CODE MIL STATUS       Indicates flagged DTC requires MIL illumination         CAN OBD II TCM CLEAR ACK       Confirms transmission OBD DTCs cleared         CAN TRANSMISSION FAULT CODES       Indicates transmission fault codes to store ECM         CAN GAN TRANSDUCER       A/C refrigerant pressure, for fan control and diagnostics         CAN PRESSURE TRANSDUCER       A/C refrigerant pressure, for fan control and diagnostics         CAN PRESSURE TRANSDUCER       Begine intake air temperature: 40 °C to 80 °C (40 °F to 176 °F)         CAN ELCTRICAL LOAD MANACEMENT       Confirms A/C compressor clutch ON / OFF         CAN ELCTRICAL LOAD MANACEMENT       Inhibit: heated rear window, windshield, wiper park area, automatic heated windshield.         CAN COOLING FAN FEEDBACK       Actual cooling fan speed. Response to COOLING FAN REQUEST         CAN COOLING FAN FEEDBACK       Actual cooling fan speed. Response to COOLING FAN REQUEST         CAN AMBIENT TEMPERATURE       Predicted A/C compressor torque in 100 ms         CAN A/C COMMANDS       Request A/C compressor ON / OFF. Maximum heat required: YES / NO         CAN A/C STATUS       Indicates: windshield, rear door mirrors, and windshield wiper park are are ON / OFF and blower speed	3E9h	CAN IDLE NEUTRAL CONTROL		TCM				×							
CAN OBD II TCM CLEAR ACK CAN TRANSMISSION FAULT CODES Indicates transmission OBD DTCs cleared CAN TRANSDICER CAN EACH POSTITION TARGET CAN PRESSURE TRANSDUCER CAN ELECTRICAL LOAD MANACEMENT CAN ELECTRICAL LOAD MANACEMENT CAN ELECTRICAL LOAD MANACEMENT CAN COLING FAN FEEDBACK CAN COLING FAN FEEDBACK CAN COLING FAN FEEDBACK CAN COMPRESSOR TORQUE CAN A/C STATUS CAN A/C STATUS Indicates: windshield, rear door mirrors, and windshield wiper park area heater ON / OFF and blower speed	3E9h	dan performance mode indication	Switch Performance Mode LED ON / OFF	TCM								_			
CAN OBD II TCM CLEAR ACK       Confirms transmission OBD DTCs cleared         CAN TRANSMISSION FAULT CODES       Indicates transmission fault codes to store ECM         CAN GEAR POSITION TARGET       Next actual transmission fault codes to store ECM         CAN DEASONE TRANSDUCER       A/C refrigerant pressure, for fan control and diagnostics         CAN PRESSURE TRANSDUCER       A/C refrigerant pressure, for fan control and diagnostics         CAN ENGINE INTAKE TEMPERATURE       Confirms A/C compressor clutch ON / OFF         CAN A/C CLUTCH INHIBIT STATUS       Confirms A/C compressor clutch ON / OFF         CAN ELECTRICAL LOAD MANAGEMENT       Inhibit: heated rear window, windshield, wiper park area, automatic heated windshield.         CAN ELECTRICAL LOAD MANAGEMENT       Actual cooling fan speed. Response to COOLING FAN REQUEST nessage         CAN AMBIENT TEMPERATURE       Outside air temperature 40 °C to 80 °C (40 °F to 176 °F)         CAN A/C COMMANDS       Predicted A/C compressor torque in 100 ms         CAN A/C COMMANDS       Request A/C compressor ON / OFF. Maximum heat required: YES / NO         CAN A/C STATUS       Inhidicates: windshield, rear door mirrors, and windshield wiper park area heater ON / OFF and blower speed	3E9h	CAN TCM FAULT CODE MIL STATUS	Indicates flagged DTC requires MIL illumination	TCM				×							
CAN TRANSMISSION FAULT CODES       Indicates transmission fault codes to store ECM         CAN GEAR POSITION TARGET       Next actual transmission gear position (for traction control)         CAN GEAR POSITION TARGET       A/C refrigerant pressure, for fan control and diagnostics         CAN ENGINE INTAKE TEMPERATURE       Engine intake air temperature: 40 °C to 80 °C (40 °F to 176 °F)         CAN ENCINE INTAKE TEMPERATURE       Inhibit: heated rear window, windshield, wiper park area, automatic heated windshield.         CAN COLING FAN FEEDBACK       Actual cooling fan speed. Response to COOLING FAN REQUEST message         CAN AMBIENT TEMPERATURE       Outside air temperature 40 °C to 80 °C (40 °F to 176 °F)         CAN ACCOMMANDS       Request A/C compressor torque in 100 ms         CAN ACCOMMANDS       Request A/C compressor ON / OFF. Maximum heat required: YES/NO         CAN ACSTATUS       Inhidicates: windshield, rear door mirrors, and windshield wiper park area heater ON / OFF and blower speed	3E9h	GAN OBD II TCM CLEAR ACK		TCM				×							
CAN GEAR POSITION TARGET       Next actual transmission gear position (for traction control)         CAN PRESSURE TRANSDUCER       A/C refrigerant pressure, for fan control and diagnostics         CAN ENGINE INTAKE TEMPERATURE       Engine intake air temperature: 40 °C to 80 °C (40 °F to 176 °F)         CAN A/C CLUTCH INHIBIT STATUS       Confirms A/C compressor clutch ON / OFF         CAN ELECTRICAL LOAD MANAGEMENT       Inhibit: heated rear window, windshield, wiper park area, automatic heated windshield.         CAN COLING FAN FEEDBACK       Actual cooling fan speed. Response to COCLING FAN REQUEST necsage         CAN COMPRESSOR TORQUE       Outside air temperature 40 °C to 80 °C (40 °F to 176 °F)         CAN COMPRESSOR TORQUE       Predicted A/C compressor torque in 100 ms         CAN A/C COMMANDS       Request A/C compressor ON / OFF. Maximum heat required: YES / NO         CAN A/C STATUS       Inhicates: windshield, rear door mirrors, and windshield wiper park area heater ON / OFF and blower speed		dan transmission fault codes	Indicates transmission fault codes to store ECM	TCM	×	×	×	×							
CAN PRESSURE TRANSDUCER       A/C refrigerant pressure, for fan control and diagnostics         CAN ENGINE INTAKE TEMPERATURE       Engine intake air temperature: 40 °C to 80 °C (40 °F to 176 °F)         CAN ENGINE INTAKE TEMPERATURE       Confirms A/C compressor clutch ON / OFF         CAN ELECTRICAL LOAD MANAGEMENT       Inhibit: heated rear window, windshield, wiper park area, automatic heated windshield.         CAN COOLING FAN FEEDBACK       Actual cooling fan speed. Response to COOLING FAN REQUEST message         CAN AMBIENT TEMPERATURE       Outside air temperature 40 °C to 80 °C (40 °F to 176 °F)         CAN A/C COMMANDS       Predicted A/C compressor torque in 100 ms         CAN A/C COMMANDS       Request A/C compressor ON / OFF. Maximum heat required: YES / NO         CAN A/C STATUS       Inhidicates: windshield, rear door mirrors, and windshield wiper park area heater ON / OFF and blower speed	3E9h	dan gear position target	Next actual transmission gear position (for traction control)	TCM	×	×	×	×							
CAN ENGINE INTAKE TEMPERATURE       Engine intake air temperature: 40 °C to 80 °C (40 °F to 176 °F)         CAN A/C CLUTCH INHIBIT STATUS       Confirms A/C compressor clutch ON / OFF         CAN ELECTRICAL LOAD MANAGEMENT       Inhibit: heated rear window, windshield, wiper park area, automatic heated windshield.         CAN COOLING FAN FEDBACK       Actual cooling fan speed. Response to COOLING FAN REQUEST nessage         CAN AMBIENT TEMPERATURE       Outside air temperature 40 °C to 80 °C (40 °F to 176 °F)         CAN COMPRESSOR TORQUE       Predicted A/C compressor torque in 100 ms         CAN A/C COMMANDS       Request A/C compressor ON / OFF. Maximum heat required: YES / NO         CAN A/C STATUS       Inhidicates: windshield, rear door mirrors, and windshield wiper park area heater ON / OFF and blower speed	41Ah	dan pressure transducer	A/C refrigerant pressure, for fan control and diagnostics	TCM							×				
CAN A/C CLUTCH INHIBIT STATUS       Confirms A/C compressor clutch ON / OFF         CAN ELECTRICAL LOAD MANAGEMENT       Inhibit: heated rear window, windshield, wiper park area, automatic heated windshield.         CAN COOLING FAN FEEDBACK       Actual cooling fan speed. Response to COOLING FAN REQUEST message         CAN AMBIENT TEMPERATURE       Outside air temperature 40 °C to 80 °C (40 °F to 176 °F)         CAN COMPRESSOR TORQUE       Predicted A/C compressor torque in 100 ms         CAN A/C COMMANDS       Request A/C compressor ON / OFF. Maximum heat required: YES / NO alpha in the complex of the compressor of t		CAN ENGINE INTAKE TEMPERATURE	Engine intake air temperature: 40 °C to 80 °C (40 °F to 176 °F)	ECM							×				
CAN ELECTRICAL LOAD MANAGEMENT       Inhibit: heated vindshield.         CAN COOLING FAN FEDBACK       Actual cooling fan speed. Response to COOLING FAN REQUEST         CAN COOLING FAN FEDBACK       Inhessage         CAN AMBIENT TEMPERATURE       Outside air temperature 40 °C to 80 °C (40 °F to 176 °F)         CAN COMPRESSOR TORQUE       Predicted A/C compressor torque in 100 ms         CAN A/C COMMANDS       Request A/C compressor ON / OFF. Maximum heat required: YES / NO         CAN A/C STATUS       Inhelicates: windshield, rear door mirrors, and windshield wiper park area heater ON / OFF and blower speed		dan A/C CLUTCH INHIBIT STATUS	Confirms A/C compressor clutch ON / OFF	ECM							×				
CAN COOLING FAN FEEDBACK       Actual cooling fan speed. Response to COOLING FAN REQUEST         CAN AMBIENT TEMPERATURE       Outside air temperature 40 °C to 80 °C (40 °F to 176 °F)         CAN COMPRESSOR TORQUE       Predicted A/C compressor torque in 100 ms         CAN A/C COMMANDS       Request A/C compressor ON / OFF. Maximum heat required: YES / NO         CAN A/C STATUS       Indicates: windshield, rear door mirrors, and windshield wiper park area heater ON / OFF and blower speed	41Ah	CAN ELECTRICAL LOAD MANAGEMENT	Inhibit: heated rear window, windshield, wiper park area, automatic heated windshield.	ECM							×				
CAN AMBIENT TEMPERATURE       Outside air temperature 40 °C to 80 °C (40 °F to 176 °F)         CAN COMPRESSOR TORQUE       Predicted A/C compressor torque in 100 ms         CAN A/C COMMANDS       Request A/C compressor ON / OFF. Maximum heat required: YES / NO         CAN A/C STATUS       Indicates: windshield, rear door mirrors, and windshield wiper park area heater ON / OFF and blower speed	41Ah	dan cooling fan feedback	Actual cooling fan speed. Response to COOLING FAN REQUEST message	ECM							<del></del>				
CAN COMPRESSOR TORQUE       Predicted A/C compressor torque in 100 ms         CAN A/C COMMANDS       Request A/C compressor ON / OFF. Maximum heat required: YES / NO         CAN A/C STATUS       Indicates: windshield, rear door mirrors, and windshield wiper park area heater ON / OFF and blower speed	4 <b>4</b> 1h	dan ambient temperature	Outside air temperature 40 °C to 80 °C (40 °F to 176 °F)	A/CCM				×		×					
CAN A/C COMMANDS Request A/C compressor ON / OFF. Maximum heat required: YES / NO Indicates: windshield, rear door mirrors, and windshield wiper park a rea heater ON / OFF and blower speed	4 <b>4</b> 1h	dan compressor torque	Predicted A/C compressor torque in 100 ms	A/CCM				×							
CAN A/C STATUS Indicates: windshield, rear door mirrors, and windshield wiper park area heater ON / OFF and blower speed	441h	CAN A/C COMMANDS	Request A/C compressor ON / OFF. Maximum heat required: YES / NO	A/CCM	Ī			×							1
	441h	dan a/c status	Indicates: windshield, rear door mirrors, and windshield wiper park area heater ON / OFF and blower speed	A/CCM		7		×							



								~	Receivers	ers				
ó Z	Меssаge Name	Пяре	Source	ABSCM	ABS/TCCM	DSCCM	ECM	TCM	IC	A/CCM	HLCM	JGM	YRS	DIAG
441h	CAN COOLING FAN REQUEST	Request climate control fan speed and offset, and fan run on at ignition OFF	A/CCM				×							
44Dh	CAN FUEL USED	Data for trip computer calculations	ECM						×					
44Dh	CAN ENGINE OBD II MIL	Switch CHECK ENGINE MIL ON / OFF	ECM						×					
44Dh	CAN THROTTLE MALFUNCTION RED	Switch red warning light OFF (defaults to ON) — Display: Restricted throttle / performance, Limp home / idle mode, Engine shut down messages	ECM	×	×	×			×					
44Dh	CAN THROTTLE MALFUNCTION AMBER	Switch amber warning light OFF (defaults to ON) — Display: Cruise inhibited, Redundancy mode, OBD engine overspeed fuel cutoff messages	ECM	×	×	×			×					
44Dh	CAN ECM FAULT CODE MIL STATUS	Indicates flagged DTC requires MIL illumination	ECM	Х	×	X		X	×					
44Dh	CAN ECM CONFIG FLAG	ECM PECUS programming status: programmed YES / NO	ECM						×					
44Dh	CAN ENGINE FAULT CODES	Indicates engine fault codes to store ECM	ECM						×					
44Dh	CAN ENGINE COOLANT TEMPERATURE	Engine coolant temperature (°C). Note: Will not exceed 140 °C (284 °F)	ECM					×	×	×				
44Dh	CAN ENGINE OIL TEMPERATURE	Engine oil temperature 40 to 214 °C (40 to 417 °F)	ECM					×						
44Dh	CAN BAROMETRIC PRESSURE	Barometric pressure as % of 1 standard atmosphere (0 to 125%)	ECM					×						
4BOh	CAN FL WHEEL SPEED	Front left wheel speed	ABSCM				X	X			X			
4BOh	CAN FL WHEEL SPEED	Front left wheel speed	ABS/TCCM				×	×			×			
4BOh	CAN FL WHEEL SPEED	Front left wheel speed	DSCCM				×	×			×			
4BOh	CAN FR WHEEL SPEED	Front right wheel speed	ABSCM				X	×			×			
4BOh	CAN FR WHEEL SPEED	Front right wheel speed	ABS/TCCM				×	×			×			
4BOh	CAN FR WHEEL SPEED	Front right wheel speed	DSCCM				×	×			×			
4BOh	CAN RL WHEEL SPEED	Rear left wheel speed	ABSCM				×	×			X			
4BOh	CAN RL WHEEL SPEED	Rear left wheel speed	ABS/TCCM				×	×			×			
4BOh	CAN RL WHEEL SPEED	Rear left wheel speed	DSCCM				×	×			×			
4BOh	CAN RR WHEEL SPEED	Rear right wheel speed	ABSCM				X	×			×			
4BOh	CAN RR WHEEL SPEED	Rear right wheel speed	ABS/TCCM				×	×			×			
4BOh	CAN RR WHEEL SPEED	Rear right wheel speed	DSCCM				X	X			X			
4COh	CAN ODOMETER READING	Odometer distance travelled for DTCs and diagnostics	IC				×			×				
694h	CAN VOICE AIRCON COMMAND	SCP to CAN gateway message	IC							×				
695h	CAN AIRCON VOICE STATUS	CAN to SCP gateway message	A/CCM						×					
4969	CAN DISPLAY AIRCON COMMAND	SCP to CAN gateway command message	IC IC				=			×				



								Rec	Receivers	s				
2				ABSCA	ABS/TCCA	DSCCA	TCA ECA	10	A/CCN	HLCA	JGN	SW	YR	DIAC
697h	CAN AIRCON DISPLAY STATLIS	Usage CAN to GCP nataway message	A/CCM	1	1			_			1	s	s	3
1100		direction Sacoral message		Ì	1			:						Ī
6AOh	CAN POWERTRAIN CONFIGURATION	Network management	ECM	×	×	×	×							
6F1h	CAN SWS COMMAND CODE WORD	Steering Angle Sensor calibration instructions	DSCCM									×		
6F1h	CAN SWS CID	CAN identifier for message transmission	DSCCM									×		
7C4h	CAN DIAGNOSTIC DATA IN RCC	A/CCM diagnostics message	DIAG						×					
7C5h	CAN DIAGNOSTIC DATA OUT RCC	A/CCM diagnostics data out. Only in response to message #7C4h	A/CCM											×
7E8h	CAN DIAGNOSTIC DATA IN ECM	ECM diagnostics message	DIAG				×							
7E9h	CAN DIAGNOSTIC DATA IN TCM	TCM diagnostics message	DIAG				×							
7Eah	CAN DIAGNOSTIC DATA IN IC	IC diagnostics message	DIAG					×						
7Ebh	CAN DIAGNOSTIC DATA IN ABS	ABSCM diagnostics message	DIAG	×	×	×								
7Ech	CAN DIAGNOSTIC DATA OUT ECM	ECM diagnostics data out. Only in response to message #7E8h	ECM											×
7Edh	CAN DIAGNOSTIC DATA OUT TCM	TCM diagnostics data out. Only in response to message #7E9h	TCM											×
7Eeh	CAN DIAGNOSTIC DATA OUT IC	IC diagnostics data out. Only in response to message #7EAh	IC											×
7Efh	CAN DIAGNOSTIC DATA OUT ABS	ABSCM diagnostics data out. Only in response to message #7EBh	ABSCM											×
7Efh	CAN DIAGNOSTIC DATA OUT ABS	ABSCM diagnostics data out. Only in response to message #7EBh	ABS/TCCM											×
7Efh	CAN DIAGNOSTIC DATA OUT ABS	DSCCM diagnostics data out. Only in response to message #7EBh	DSCCM											×