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2012 FORD Kuga OEM Service and Repair Workshop Manual

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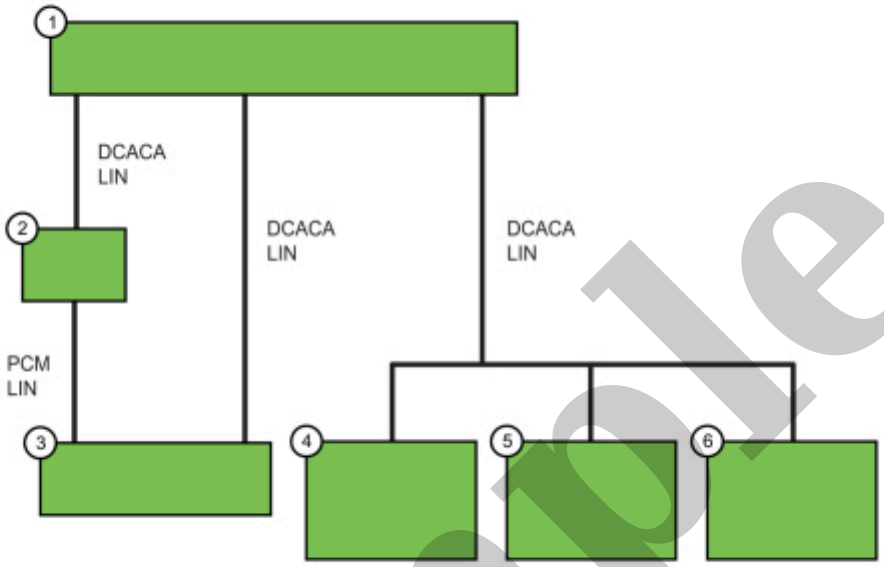
8	Electric water pump (Gas)

DCACA LIN



E368897

Item	Description
1	DCACA (Direct Current/Alternating Current Converter Module A)
2	PCM (powertrain control module) (Gas)
3	Generator
4	High Voltage Power Outlet (In the vehicle bed)
5	High Voltage Power Outlet (Instrument panel)
6	High Voltage Power Outlet (Rear of the console)

Codes (DTCs) which may have been set in other modules.

Some modules are reprogrammed in coordination with other modules.

The following modules with an Ethernet connection can be reprogrammed using a diagnostic scan tool and USB (universal serial bus) flash drive: APIM (SYNC module) , GWM (gateway module A) , IPC (instrument panel cluster) , IPMA (image processing module A) and TCU (telematic control unit module) .

Programmable Parameters

Programmable parameters are customer preference items that may be modified by the dealer via the diagnostic scan tool, or in some cases, modified by the customer following a procedure listed in the Owner Literature. While many configuration options may exist for a module, only a few of these options are programmable parameters. Some parameters must be changed in multiple modules at the same time.

Adaptive Learning and Calibration

Some modules require a separate learning procedure be carried out if replaced as part of a repair procedure. For adaptive learning and calibration instructions, refer to the specific module removal and installation procedures.

Direct Configuration Data (formerly known as VID block)

The direct configuration data commonly stores configuration items such as tire size, axle ratio, and whether or not the vehicle is equipped with cruise control.

Configuration data is a VIN (vehicle identification number) -specific module configuration record. During vehicle build, the configuration from all modules is downloaded and stored in the configuration database. Configuration data does not reflect customer preference items that have been changed from the default state. These items need to be changed using programmable parameters after the module is configured.

It is not necessary to obtain configuration data unless directed to do so by the diagnostic scan tool. This data may be accessed from the PTS (Professional Technician System) web site.

Module Configuration and Parameter Chart

The chart describes specific module configuration information:

Module Name	Module Address	Programmable Module Installation (PMI) Available	Reprogram/Flash Capable	Requires Adaptive Learning or Calibration	Available Programmable Parameters
ABS (anti-lock brake system) module	760	Yes	Yes	• ABS (anti-lock brake system) calibration	None

				module) LIN (local interconnect network) initialization • TPMS (tire pressure monitoring system) training	
BCMC (body control module C) [BJB (battery junction box)]	6F0	Yes	Yes	No	None
BECM (battery energy control module)	7E4	Yes	Yes	No	None
CCM (cruise control module) (Private CAN (controller area network))	764	Yes	Yes	CCM (cruise control module) radar alignment	None
CMR (Camera Module - Rear)	7C1	Yes	Yes	No	None
DCACA (Direct Current/Alternating Current Converter Module A)	6F1	Yes	Yes	No	None
DCACB (Direct Current/Alternating Current Converter Module B)	707	Yes	Yes	No	None
DCDC (direct current/direct	746	Yes	Yes	No	None

HVAC (heating, ventilation and air conditioning) module	733	Yes	Yes	No	None
IPC (instrument panel cluster)	720	Yes	Yes (diagnostic scan tool and USB (universal serial bus) flash drive)	No	• CTA (cross traffic alert) enable/disable • Park aid control rear enable/disable • Side detect enable/disable • Park aid fault warning rear and front enable/disable • Park aid control rear blockage warning enable/disable • Trailer brake controller enable/disable • Trailer blind spot enable/disable • Trailer TPMS (tire pressure monitoring system) enable/disable

PSCM (power steering control module)	730	Yes	Yes	No	None
RCM (restraints control module)	737	Yes	Yes	ABS (anti-lock brake system) calibration service functions	None
RFA (remote function actuator)	731	Yes	Yes	• PATS (passive anti-theft system) module initialization • Secure code unlock	None
RGTM (rear gate trunk module)	775	No	No	No	None
RTM (radio transceiver module)	751	Yes	Yes	No	None
SCCM (steering column control module)	724	Yes	Yes	No	None
SCMG (driver multi-contour seat module)	712	Yes	Yes	No	None
SCMH (passenger multi-contour seat module)	713	Yes	Yes	No	None
SOBDM (secondary on-board diagnostic control module A) (Battery	7E2	Yes	Yes	No	None

(Private CAN (controller area network))					
TCU (telematic control unit module)	754	Yes	Yes (diagnostic scan tool and USB (universal serial bus) flash drive)	No	None
TRM (trailer module) / TBM (trailer brake control module)	791	Yes	Yes	No	None
VDM (vehicle dynamics control module)	721	Yes	Yes	Height sensor calibration	None
WACM (wireless accessory charging module)	725	Yes	Yes	No	None

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Direct Configuration Data (formerly known as VID block)

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					• Remote start - rear defroster enable/disable • Remote start - steering wheel enable/disable • Side detect enable/disable • Trailer blind spot enable/disable • Trailer brake controller enable/disable • Park aid control rear blockage warning enable/disable
ATCM (all terrain control module)	792	Yes	Yes	No	None

BCM (body control module)	726	Yes	Yes	• PATS (passive anti-theft system) key programming
				• PATS (passive anti-theft system) parameter reset
				• CEI (configurable engine immobilizer)
				• BMS (battery monitoring sensor) reset
					• Trailer connect configuration enable/disable
					• DRL (daytime running lamps) by auto lamps configuration
					  ◦ park lamps
					  ◦ fog lamps
					  ◦ turn lamps
					  ◦ rear fog with

DCDC (direct current/direct current converter control module)	746	Yes	Yes	No	None
DDM (driver door module)	740	Yes	Yes	Windows initialization	BLIS (blind spot information system) indicator configuration enable/disable
DSM (driver front seat module) / RBM (running board control module)	744	Yes	Yes	• Memory pedal calibration • Memory steering column calibration	None
DSP (audio digital signal processing module)	783	Yes	Yes	No	None
GSM (gear shift module)	732	Yes	Yes	Stay in Neutral calibration (Column shift)	None
GWM (gateway module A)	716	Yes	Yes (diagnostic scan tool and USB (universal serial bus) flash drive)	No	None
HCM (headlamp control module)	734	Yes	Yes	HCM (headlamp control module) calibration	None
HVAC (heating, ventilation and air	733	Yes	Yes	No	None