	GROUP <b>Safety Recall Campaign</b>	MODEL <b>Multiple Models</b>
	NUMBER <b>SC165 (Rev 1, 10/02/2018)</b>	DATE <b>October 2018</b>
<b>SAFETY RECALL CAMPAIGN</b>		
SUBJECT: <b>AIRBAG CONTROL UNIT (ACU) – EXTENSION WIRE HARNESS INSTALLATION (SC165)</b>		

**★ NOTICE**

**This bulletin has been revised to include additional information. New/revised sections of this bulletin are indicated by a black bar in the margin area.**

This bulletin provides the procedure to inspect and/or install an extension wire harness kit between the ACU Connector and Vehicle Harness Connector on the following vehicles:

- All 2010-2013MY Kia Forte (TD) vehicles produced from February 24, 2009 through August 31, 2012;
- All 2010-2013MY Kia Forte Koup (TD) vehicles produced from June 5, 2009 through August 31, 2012;
- All 2011-2013MY Kia Optima (QF/TF) vehicles produced from August 12, 2010 through August 31, 2012;
- All 2011-2012MY Kia Optima Hybrid (TF HEV) vehicles produced from February 15, 2011 through August 31, 2012;
- All 2011-2012 MY Kia Sedona (VQ) vehicles produced from March 3, 2010 through August 14, 2012.

The airbag control unit (“ACU”) detects crash severity and commands deployment of the advanced airbags and seatbelt pretensioners when necessary. The ACU in these vehicles contain a certain Application-Specific Integrated Circuit (“ASIC”) that may be susceptible to electrical overstress (“EOS”) during certain frontal crash events. If the ASIC becomes damaged, the frontal airbags and seatbelt pretensioners may not deploy in certain frontal crashes where deployment may be necessary, thereby increasing the risk of injury.

**For 2011MY Sedona (VQ) vehicles, dealers are to verify the ACU part number and, if necessary, install the extension wire harness kit. For all other affected vehicles, dealers are to install the extension wire harness kit without the ACU part number verification.**

Follow the procedure outlined in this bulletin to inspect and/or install the extension wire harness kit. Before conducting the procedure, verify the vehicle is included in the list of affected VINs.

**★ NOTICE**

**There is no charge to the vehicle owner for this repair. Under applicable law, you may not sell or otherwise deliver any affected vehicle until it has been repaired pursuant to the procedures set forth in this bulletin.**

**File Under: <Safety Recall Campaign>**

**Circulate To:**    ☒ General Manager    ☒ Service Manager    ☒ Parts Manager  
☒ Service Advisors    ☒ Technicians    ☒ Body Shop Manager    ☐ Fleet Repair

SUBJECT:

# AIRBAG CONTROL UNIT (ACU) – EXTENSION WIRE HARNESS INSTALLATION (SC165)

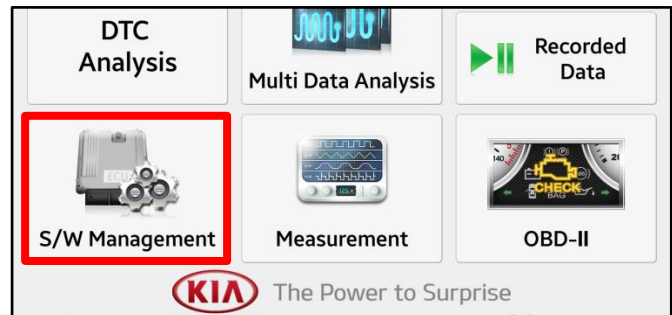
## ★ NOTICE

To assure complete customer satisfaction, always remember to refer to WebDCS Warranty Coverage (validation) Inquiry Screen (Service → Warranty Coverage → Warranty Coverage Inquiry) for a list of any additional campaigns that may need to be performed on the vehicle before returning it to the customer.

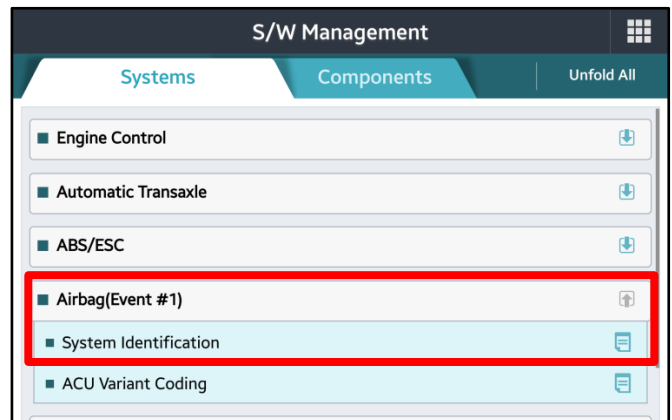
### ACU Part Number Verification Procedure (2011MY SEDONA (VQ) ONLY):

**NOTE:** For all other models, part number verification is **NOT** required. Proceed to page 3.

- Using the KDS, confirm VCI-II communication and configure vehicle (AUTO VIN) and then select **S/W Management**.

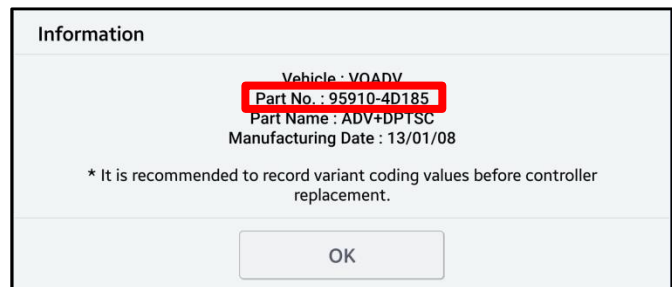


- Select **Airbag (Event #1) → System Identification**.



- Check the ACU part number and perform the required action per table below.

2011MY SEDONA (VQ) ONLY	
Part No.	Action
95910 4D080 95910 4D180	Install Extension Wire Harness Kit (page 3)
95910 4D060 95910 4D160 95910 4D185	*No Extension Wire Harness Kit required. Submit one (1) photo of ACU part number screen.



**\*Requirement:** Take and attach one (1) photo displaying the ACU part number to ensure the inspection procedure has been performed.

- Image source can be from ANY device (cell phone, digital camera, tablet, or even the KVID App tablet).
- Using the Warranty Claim Attachment feature on WebDCS, submit the one (1) attachment (type: "XX: Other" in WebDCS / One / 1 total picture – Sedona (VQ) ACU Part Number).

SUBJECT:

## AIRBAG CONTROL UNIT (ACU) – EXTENSION WIRE HARNESS INSTALLATION (SC165)

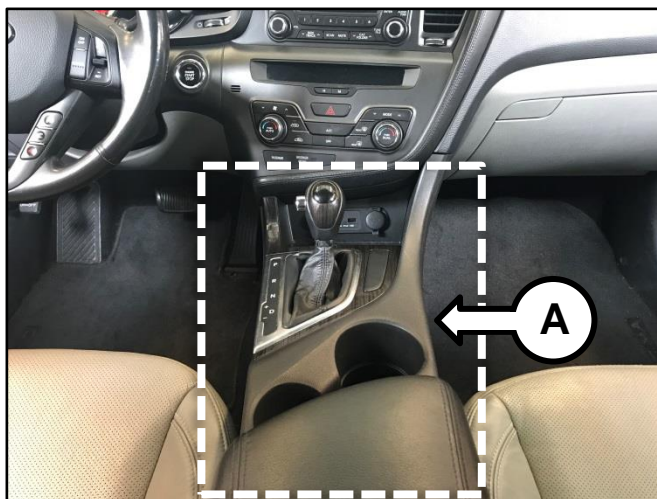
### **Extension Wire Harness Kit Installation Procedure (All MYs & Models):**

**NOTE:** Photos below are from 12MY Optima (QF) & Optima Hybrid (TF HEV) for display purposes. Components and their location may vary in different models.

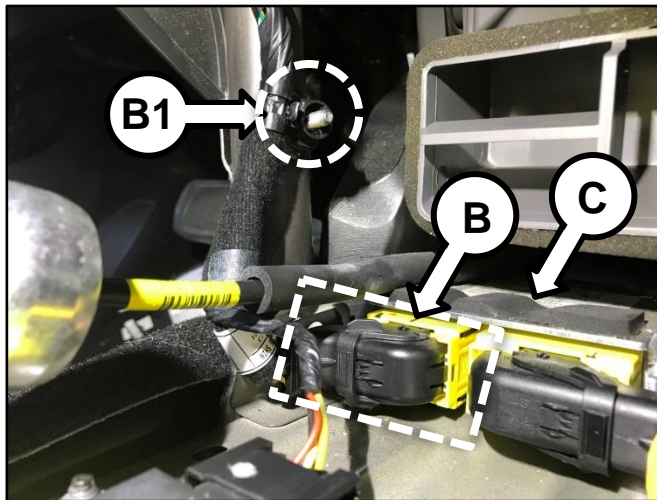
1. Record the customer's radio presets and then disconnect the negative “-” battery terminal.



2. Remove the center console (A) by referring to the “Body (Interior and Exterior) → Interior → Console → Repair procedures” chapter in the applicable Shop Manual on KGIS.



3. Disconnect the left connector (B) from the ACU (C) and if applicable, detach the harness retaining clip (B1).

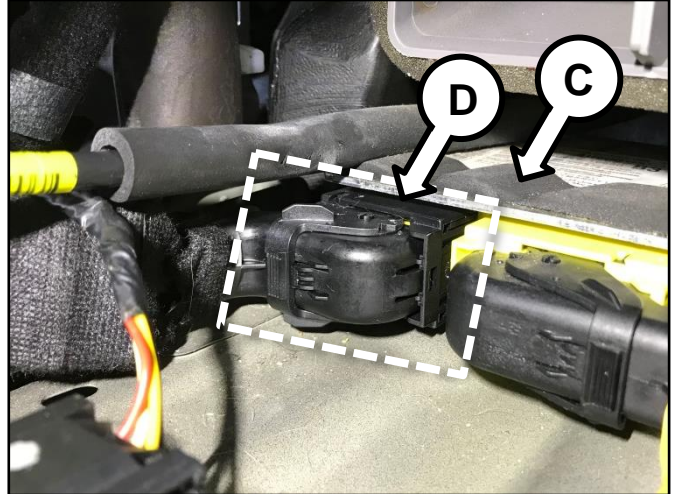
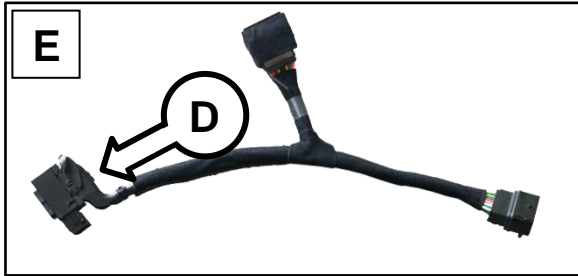




SUBJECT:

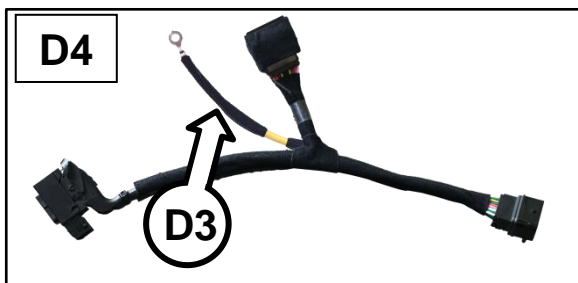
## AIRBAG CONTROL UNIT (ACU) – EXTENSION WIRE HARNESS INSTALLATION (SC165)

4. Install the connector (D) of the extension harness (E) to the ACU (C).



### 4a. Optima Hybrid (TF HEV) Only (Ground Wire):

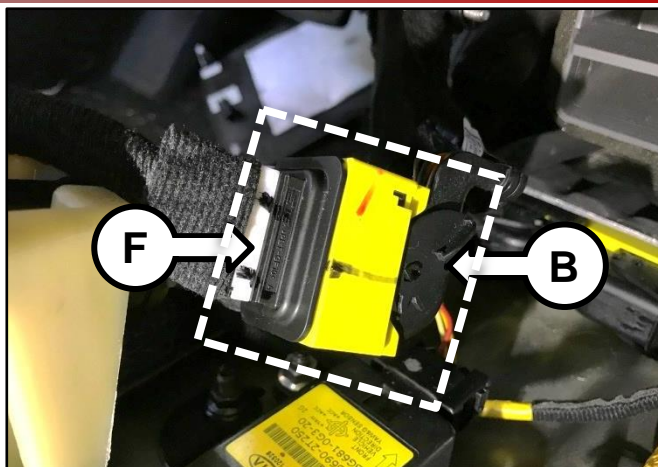
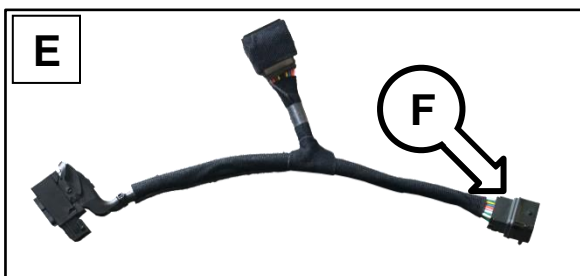
1. Remove the right connector (D1) from the ACU (C).
2. Remove the ground wire retaining nut (D2) located at the right of the ACU.
3. Install the ground wire (D3) of the TF HEV extension harness (D4) to the ground (D2) and secure by reinstalling the retaining nut (D2).
4. Install the right connector (D1).



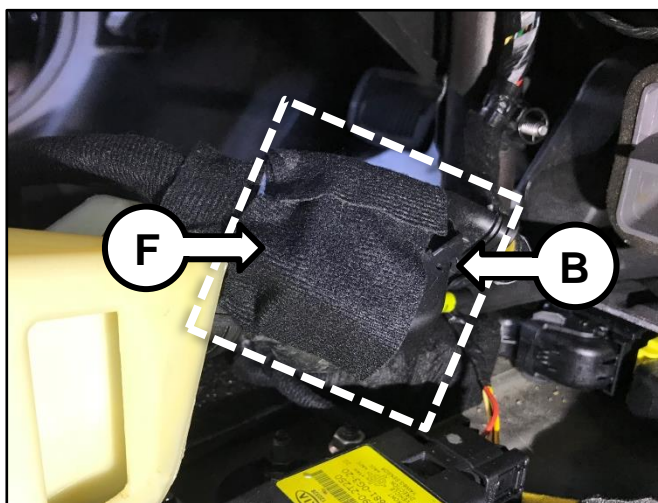
SUBJECT:

AIRBAG CONTROL UNIT (ACU) –  
EXTENSION WIRE HARNESS INSTALLATION (SC165)

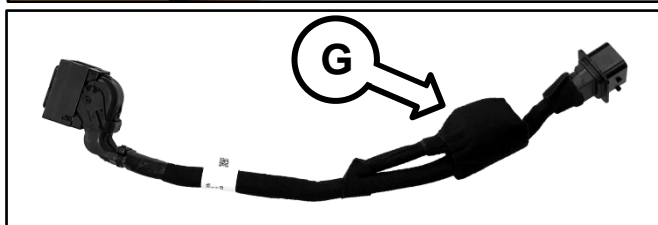
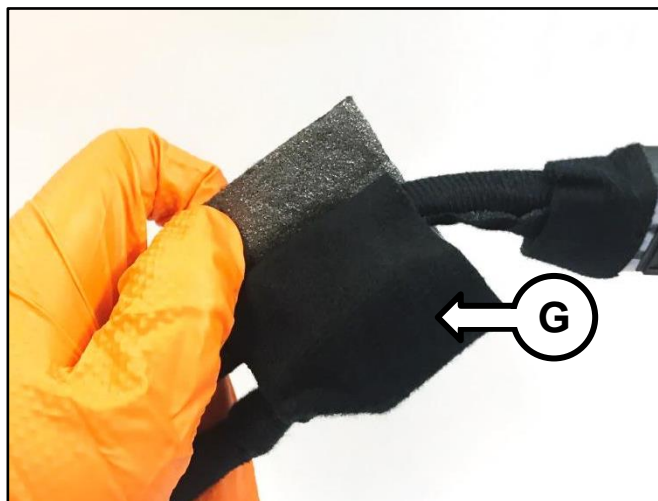
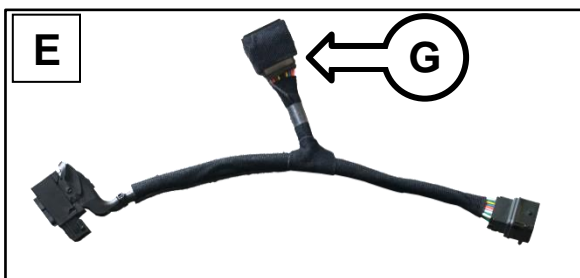
5. Install connector (B) (from step 3) to connector (F) of the extension harness (E).



6. Using a large felt pad supplied with the extension kit, wrap connectors (B) and (F).



7. Using the second large felt pad provided, secure the diode module (G) to the extension (E).

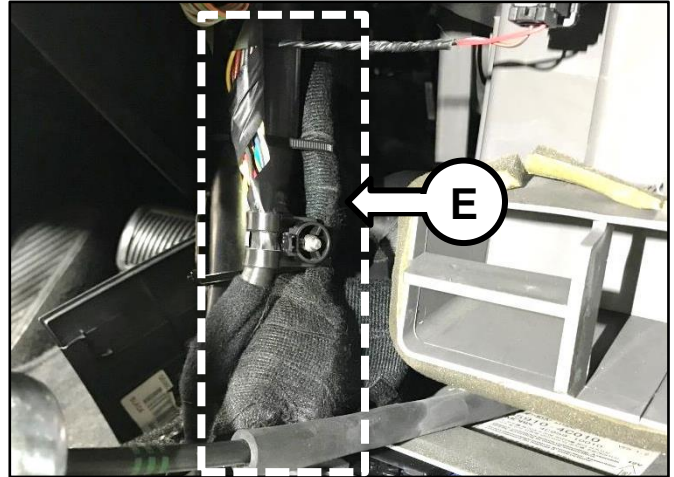




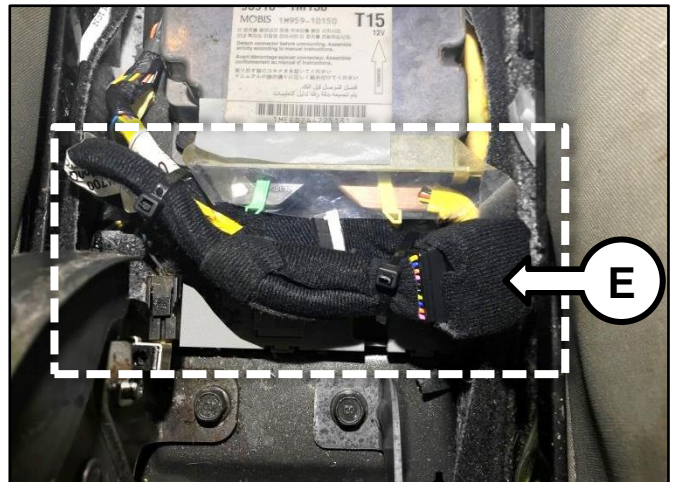
SUBJECT:

## AIRBAG CONTROL UNIT (ACU) – EXTENSION WIRE HARNESS INSTALLATION (SC165)

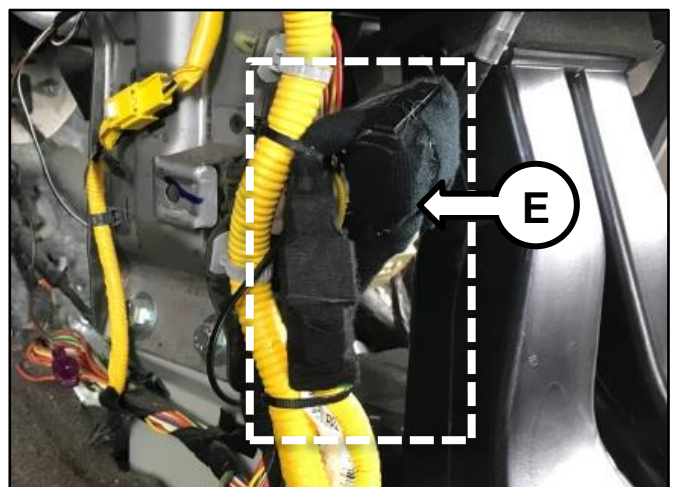
8. Secure the extension harness (E) with the provided cable ties.



Harness secured for QF, TF, & TF HEV



Harness secured for TD



Harness secured for VQ

9. Reinstall all removed components in the reverse order of removal.
10. Confirm proper ACU system operation by turning the ignition ON and ensuring the SRS malfunction indicator turns off after approximately six (6) seconds.
11. Restore the customer's radio presets.

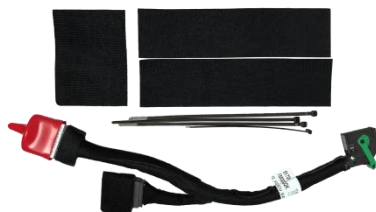
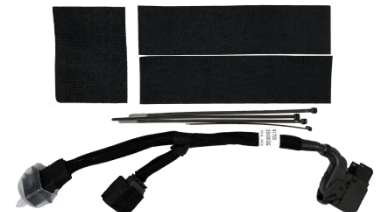

## SUBJECT:

# AIRBAG CONTROL UNIT (ACU) – EXTENSION WIRE HARNESS INSTALLATION (SC165)

## AFFECTED VEHICLE RANGE:

Model	Production Date Range
Forte (TD)	February 24, 2009 through August 31, 2012
Forte Koup (TD)	June 5, 2009 through August 31, 2012
Optima (QF, TF)	August 12, 2010 through August 31, 2012
Optima Hybrid (TF HEV)	February 15, 2011 through August 31, 2012
Sedona (VQ)	March 3, 2010 through August 14, 2012

## REQUIRED PART:

Model	Part Name	Part Number	Figure
Forte & Forte Koup (TD)	Extension Wire Harness Repair Kit	91700 1M000QQK	
Sedona (VQ)			
Optima (QF, TF)		91700 3S000QQK	
Optima Hybrid (TF HEV)		91700 4R000QQK	

SUBJECT:

# AIRBAG CONTROL UNIT (ACU) – EXTENSION WIRE HARNESS INSTALLATION (SC165)

WARRANTY INFORMATION:

N Code: N99 C Code: C99

Model	Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
TD	R	95910 1M100	0	(SC165A) ACU Extension Wire Harness Kit Installation	181105R0	0.5 M/H	91700 1M000QQK	1
QF, TF		95910 2T600			181103R0	0.6 M/H	91700 3S000QQK	1
TF HEV		95910 4U600			181103R1	0.6 M/H	91700 4R000QQK	1
VQ (2012MY)		95910 4D160			181104R2	0.5 M/H	91700 1M000QQK	1
VQ (2011MY)	R	95910 4D160	0	(SC165B) ACU Part Number Verification Only	181104R0 (Requires 1 photo attachment type 'XX')	0.3 M/H	N/A	0
				(SC165B) ACU Part Number Verification & Extension Wire Harness Kit Installation	181104R1	0.6 M/H	91700 1M000QQK	1

Note: Refer to Warranty Bulletin 2018-07 for repair and rental claim submission details.

**IMPORTANT:** If you have already submitted a claim for subsequent reimbursement for substitute transportation please confirm all loaner/rental claims have been submitted for reimbursement **PRIOR** to submitting the repair claim. Once the SC165 repair has been submitted and approved, the system will not allow submission of any additional rental claims.

## ★ NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SC165 when accessing the WebDCS system.