



GROUP
CHA

MODEL
2017MY
Sportage (QL)
Cadenza (YG)

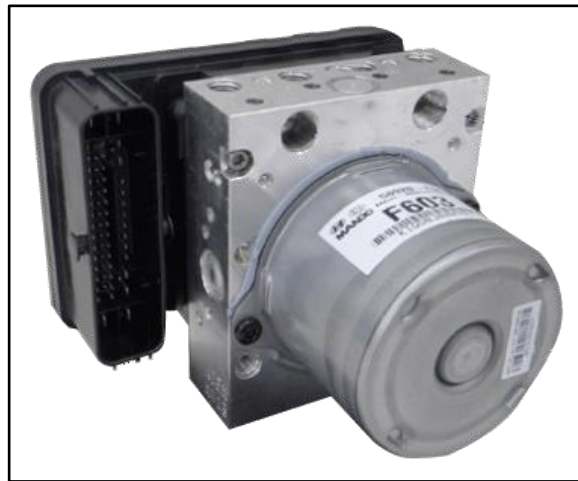
NUMBER
078

DATE
May 2018

TECHNICAL SERVICE BULLETIN

SUBJECT: SERVICE ACTION: HECU BOLTS INSPECTION AND/OR REPLACEMENT OR HECU ASSEMBLY REPLACEMENT (SA287)

This bulletin provides the procedure to inspect and/or replace the Hydraulic Electronic Control Unit (HECU) module mounting bolts or replace the HECU assembly depending on the inspection results on some 2017MY Sportage (QL) vehicles, produced from October 29, 2016 through November 21, 2016, and on some 2017MY Cadenza (YG) vehicles, produced from October 29, 2016 through December 2, 2016, which may exhibit damaged module mounting bolt heads. Vehicles within the production date range listed above may exhibit an illumination of the ABS/ESC warning lamp. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.



* NOTICE

A Service Action is a repair program without customer notification that is performed during the warranty period. Any dealer requesting to perform this repair outside the warranty period will require DPSM approval.

Repair status for a VIN is provided on WebDCS (Service → Warranty Coverage → Warranty Coverage Inquiry → Campaign Information). Not completed Recall / Service Action reports are available on WebDCS (Consumer Affairs → Not Completed Recall → Recall VIN → Select Report), which includes a list of affected vehicles.

This issue number is SA287.

File Under: <Chassis>

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

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*** NOTICE**

To avoid over-torquing or breaking bolts, do not use air tools or power tools.

If necessary, replace the HECU by referring to the “Brake System → ESP (Electronic Stability Program) System → ESP Control Module → Repair procedures” chapter in the applicable Shop Manual.

Use a T15 Torx® drive bit or socket only.

HECU Lot and Production Line Number Inspection Procedure:

1. Check the HECU Lot number (first 3 digits) and Production Line number (4th and 5th digits). See table below.

If the Lot and Production Line number is included in the affected range, replace the module mounting bolts. If the mounting bolts are damaged, replace the HECU assembly.

If the Lot and Production Line number is not in the affected range, inspect but do not replace the module mounting bolts. If the mounting bolts are damaged, replace the HECU assembly.



Lot & Production Line Number shown is for demonstration purposes only.

Example shown: 2017 February 11

Procedure Information:

Model	Page
QL 2.0T, 2.4L	3
YG	4

Lot Number Identification Table:

Model	Digit				
	1 st (Year)	2 nd (Month)	3 rd (Date)	4 th (Prod. Line)	5 th (Prod. Line)
QL	L (2016)	J (October)	2 (28) – 5 (31)	“D” or “N”	“1” – “8”
		K (November)	A (1) – C (3)		
YG		J (October)	2 (28) – 5 (31)		
		K (November)	A (1) – C (3) D (4) – J (10)		
Example: LJ5 = 2016 October 31					

Note: The HECU production date may not match the vehicle production date.

QL production range is affected if the first 5 digits of the lot # are as shown in table below. (4th digit () is “D” or “N”)

LJ2_3	LJ2_5	LJ2_7	LJ2_8	LJ3_3	LJ3_5	LJ3_7
LJ3_8	LJ4_3	LJ4_5	LJ4_7	LJ4_8	LJ5_3	LJ5_5
LJ5_7	LJ5_8	LKA_3	LKA_5	LKA_7	LKA_8	LKB_3
LKB_5	LKB_7	LKB_8	LKC_3	LKC_5	LKC_7	LKC_8

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YG production range is affected if the first 5 digits of the lot # are as shown in table below.
(4th digit (_) is "D" or "N")

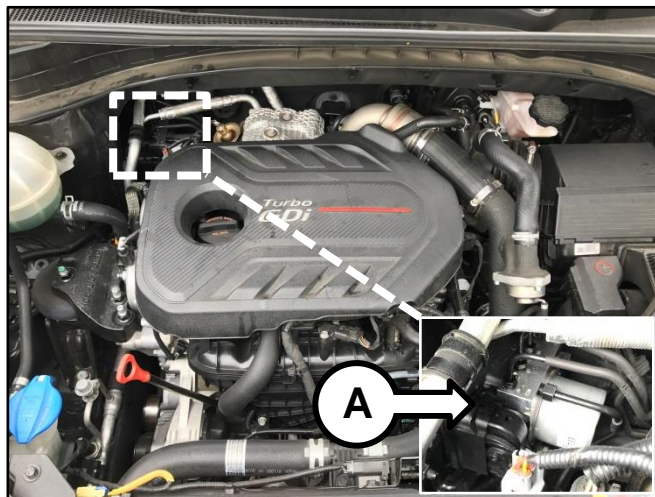
LJ2_3	LJ2_5	LJ2_7	LJ2_8	LJ3_3	LJ3_5	LJ3_7
LJ3_8	LJ4_3	LJ4_5	LJ4_7	LJ4_8	LJ5_3	LJ5_5
LJ5_7	LJ5_8	LKA_3	LKA_5	LKA_7	LKA_8	LKB_3
LKB_5	LKB_7	LKB_8	LKC_3	LKC_5	LKC_7	LKC_8
LKD_8	LKE_8	LKF_8	LKG_8	LKH_8	LKI_8	LKJ_8

Affected HECU Production Range:

Model	Date	Prod. Line
QL (2.0T & 2.4L)	October 28, 2016 – November 3, 2016	D1-D8 or N1-N8
YG	October 28, 2016 – November 3, 2016	D1-D8 or N1-N8
	November 4, 2016 – November 10, 2016	D8 or N8

QL 2.0T & 2.4L Module Mounting Bolts Inspection/Replacement Procedure:

1. Locate the HECU (A). The location of the HECU is the same for both 2.0T and 2.4L on QL vehicles.

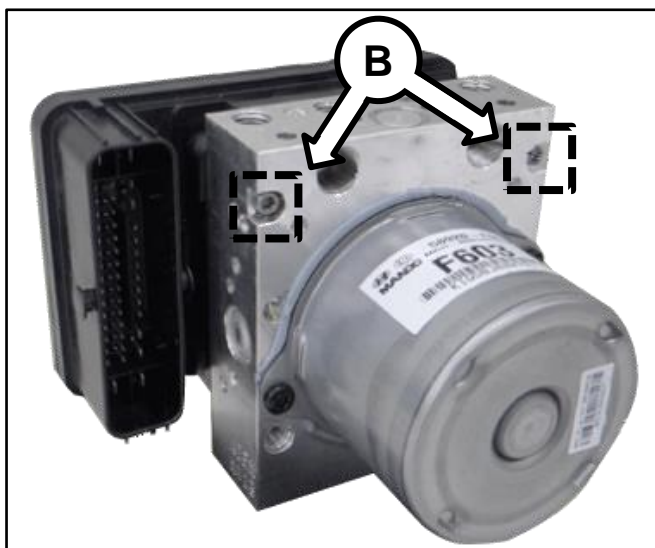


2. Inspect the two (2) HECU module mounting bolt heads (B) for any damage.

If either of the two (2) bolt heads is damaged or missing, replace the HECU assembly by referring to "Brake System → ESP (Electronic Stability Program) System → ESP Control Module → Repair procedures" chapter in the applicable Shop Manual.

NOTE: Replaced HECUs will need to be returned to KMA.

If both bolts appear to be in good condition, proceed to the next step.



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3. Remove and replace the two (2) HECU module mounting bolts. Carefully torque the new module mounting bolts to specifications, using a suitable torque wrench.

Tightening Torque:
 2.4 – 2.8 lb-ft (3.2 – 3.8 N.m,
 0.33 – 0.39 kgf.m)

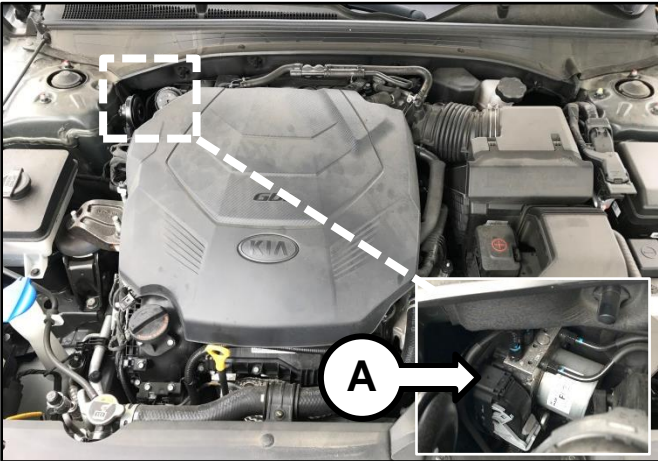
*** NOTICE**

When installing the new HECU module mounting bolts, make sure to hand-tighten then torque the bolts. Do not use air tools or power tools.



YG Module Mounting Bolts Inspection/Replacement Procedure

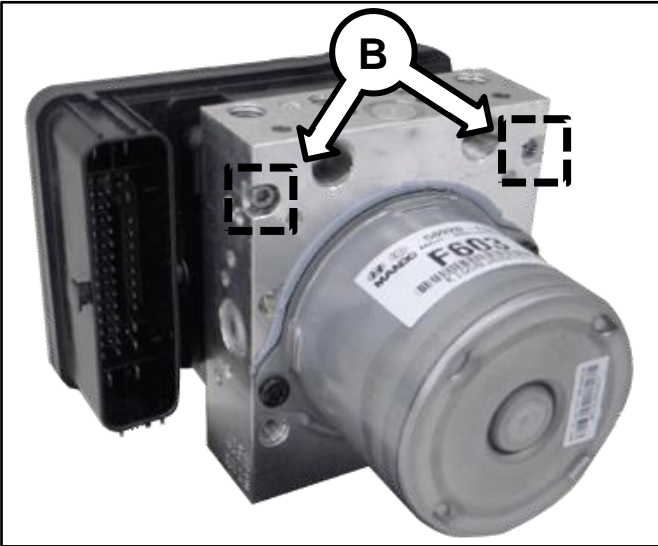
1. Locate the HECU (A).



2. Inspect the two (2) HECU module mounting bolt heads (B) for any damage. If either of the two (2) bolt heads is damaged or missing, replace the HECU assembly by referring to “Brake System → ESP (Electronic Stability Program) System → ESP Control Module → Repair procedures” chapter in the applicable Shop Manual.

NOTE: Replaced HECUs will need to be returned to KMA.

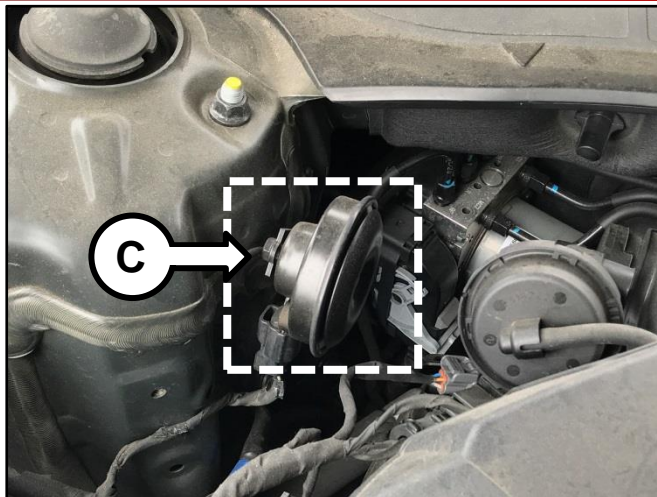
If both bolts appear to be in good condition, proceed to the next step to replace the two (2) HECU module mounting bolts (B).



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3. Disconnect and remove the burglar horn (C).



4. Remove and replace the two (2) HECU module mounting bolts. Carefully torque the new module mounting bolts to specifications, using a suitable torque wrench.

Tightening Torque:

2.4 – 2.8 lb-ft (3.2 – 3.8 N.m,
0.33 – 0.39 kgf.m)

*** NOTICE**

When installing the new HECU module mounting bolts, make sure to hand-tighten then torque the bolts. Do not use air tools or power tools.





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AFFECTED VEHICLE RANGE:

Model	Production Date Range
Sportage (QL)	October 29, 2016 through November 21, 2016
Cadenza (YG)	October 29, 2016 through December 2, 2016

REQUIRED PART:

Model	Part Name	Part Number	Figure	Remarks	Qty.
QL & YG	HECU Mounting Bolt	58924 D9000QQK		M4 x 33mm	2
QL	HECU	58920 D9100QQK		-	1
YG		58920 F6010QQK			1

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.
QL	V	58920 D9100	0	(SA287) HECU Lot No. Inspection	160141R0	0.2 M/H	N/A	0
				(SA287) HECU Bolts Replacement (2.4L)	160141R1	0.3 M/H	58924 D9000QQK	2
				(SA287) HECU Bolts Replacement (2.0T)	160141R2	0.6 M/H	58924 D9000QQK	2
				(SA287) HECU Assembly Replacement*	160141R3	1.3 M/H	58920 D9100QQK	1
YG	V	58920 F6020	0	(SA287) HECU Lot No. Inspection	160143R0	0.2 M/H	N/A	0
				(SA287) HECU Bolts Replacement	160143R2	0.4 M/H	58924 D9000QQK	2
				(SA287) HECU Assembly Replacement*	160143R3	1.3 M/H	58920 F6010QQK	1

***NOTE:** Any replaced HECU will be on Mandatory Parts Return and collected/returned to KMA for inspection and analysis as may be appropriate. If replacement of HECU Bolt or HECU Assembly is required, please use the RX sublet for rental expense.

* NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference **SA287** when accessing the WebDCS system.