

TECHNET TIMES

HYUNDAI | NEW THINKING.
NEW POSSIBILITIES.

VOL. 22, ISSUE 07

INSIDE THIS ISSUE...

page01
Hyundai Ushers in
IQS Season with
New PDI Forms

page03
World Skills
Competition Team
Selected

page04
Raise Your IQS

page05
Special Service Tools

page08
Are You Using the
Latest Version TSB?

page09
TechNet Tips:
iPhone®/iPod® USB
Data Cable

page10
TechNet Tips:
Backup Camera
And Camera Module
Compatibility

page11
Fix-It-Right

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Hyundai Ushers in IQS Season with New PDI Forms



Just in time for the Initial Quality Survey™ period, Hyundai's approach to Pre-Delivery Inspection has changed. The new PDI forms feature a model-specific section listing special check items. These items are

plainly located in the "Special Items" section right below the Battery section on the front of the form.

To make room for the new section, some
continued on page 2

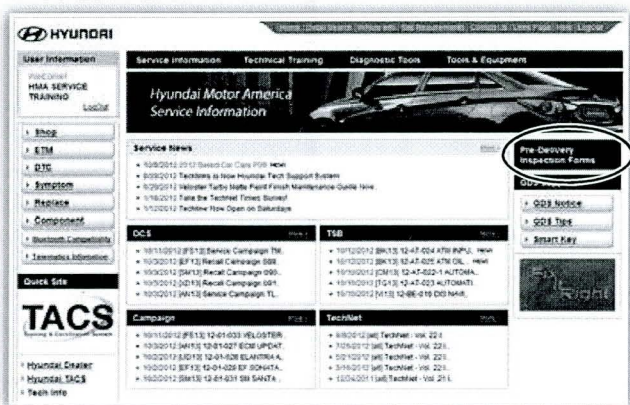
Hyundai Ushers in IQS Season with New PDI Forms

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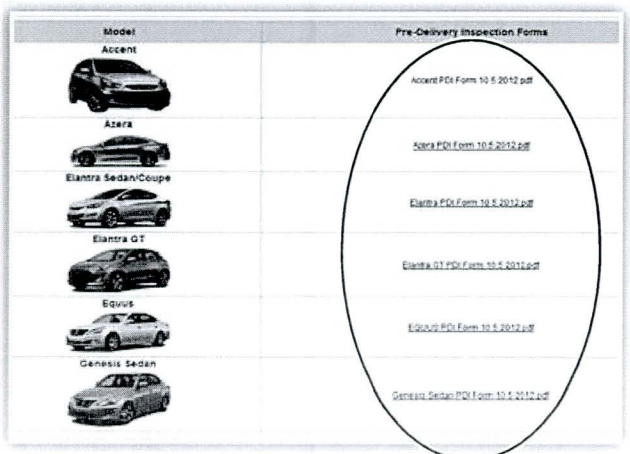
of the check items on the original printed PDI forms that did not pertain to each specific model were eliminated. In their place, three to five specific check items of interest to customers prompt PDI technicians to give special attention.

The change impacts the use of previous printed PDI forms. Recently, four forms had been used and have likely been printed in quantities and placed in dealer inventories for future use. The new forms are completely individualized for each model. While the previous forms are still functional, the new forms emphasize important tasks and should be used.

The new PDI forms are available for download from HMAService.com. Just follow the link on the site. (See below.) There are 12 different versions, each covering a different Hyundai model.



Once you click on the Pre-Delivery Inspection Forms button, the full listing of forms loads. Each PDI form is identified with a photo of its corresponding model. (See below.) If the desired model is not shown, scroll down the page.



Just click on the link to your desired form and a PDF will display. **NOTE:** You will need Adobe Reader installed in your computer to view or print the PDF.

As we receive feedback for each model, these forms may be updated to reflect the feedback. With that in mind, it is recommended not to print large quantities of these forms. They are intended to remain flexible to the needs of Hyundai customers. Always remember that these tasks are considered critical along with a complete PDI to give your customer a perfect delivery impression.

World Skills Competition Team Selected

During a hotly contested National Skills Competition held October 25-26 at the Hyundai Motor Manufacturing plant in Montgomery, Alabama, five technicians emerged as the cream of the crop. They were selected from 15 invited to participate from throughout the U.S. After battling “bugged” systems on Hyundai models and written exams, the winners are now ready to prepare for taking on the world.

Carrying the torch to South Korea in 2013 will be Jason Emerson, Riverside Hyundai (CA), Steve Pickett, Ed Voyles Hyundai (GA), Aronn Walters Regional Hyundai (OK), and Ken Winders, Gene Messer Hyundai (TX). Erik Koonce, Bill Hood Hyundai (LA) qualified as the alternate in case a team member is unable to make the trip. The five will train throughout the next year at HMA sites. Southern Region Training Instructor Dan Krysczcuk will coach the team as he did in 2011.

These guys have some big shoes to fill. Our last HMA World Skills competitors returned from Chonan, Korea with a bronze medal and the Hyundai World Skills Olympics Gold Medal. It was the best showing for an HMA team since the inception of the competition.

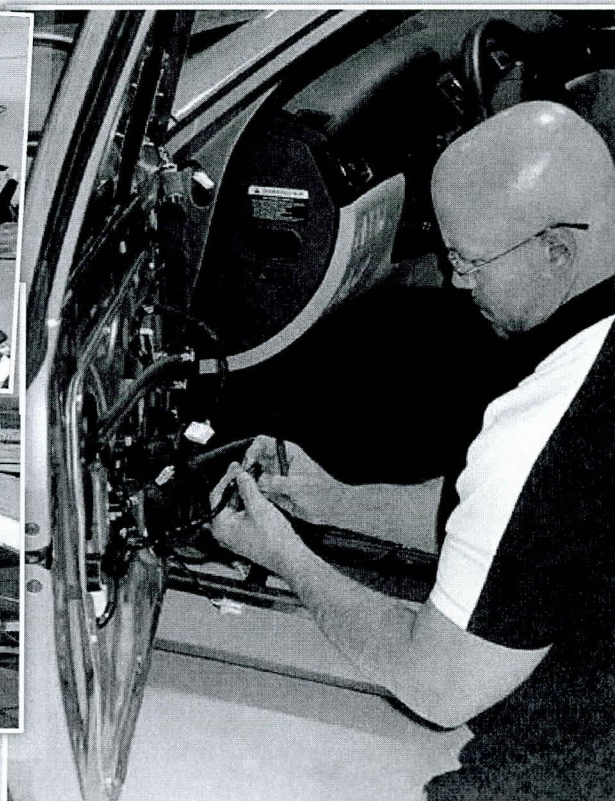


Fortunately, the previous team will lend a hand to the new team and pass on their experience. Notably, Steve Pickett will be making his second appearance in the Korea competition. Ted Christansen, HMA's Manager of Service Technical Training suggested that the team will gain more than notoriety and a chance to compete. “This will be a valuable learning experience for the team as they prepare for next year's worldwide competition,” he said.

Hyundai Motor America congratulates all the participants in the 2012 National Skills Competition. It's all about automotive repair and diagnosis excellence. These guys proudly represented their respective regions well. Because of them, our prospects in the World Skills Olympics next year look promising.



Hyundai Motor Manufacturing Alabama in Montgomery, AL hosted the 2012 National Skills Competition.



Raise Your IQS

Participating in new vehicle delivery and asking the right questions can improve IQS and bring in more customers. The 2013 IQS study sales period (November 1, 2012-February, 2013) is underway. The Initial Quality Study™ (IQS) conducted by JD Power and Associates provides information on new vehicle quality measured after 90 days of ownership. The study is the industry standard benchmark of initial vehicle quality and is based on problems-per-100 vehicles covering 250 specific “problem” areas across eight “problem” categories.

- IQS Categories:**
- | | |
|---|-------------------------|
| 1. Exterior | 5. Seats |
| 2. Driving Experience | 6. HVAC |
| 3. Features, Controls, Displays | 7. Interior |
| 4. Audio, Communication,
Entertainment, Navigation | 8. Engine, Transmission |



The 250 symptoms are classified into these eight categories and evaluated during the first three months of ownership. Studies show that a good past experience is one of the top reasons for customers returning for service at the dealer where they bought their vehicle. What better opportunity to create a memorable experience than when the customer is receiving their brand new vehicle?

Pre-delivery Inspection plays a vital role in a good first impression. Here is a list of what our DPSMs have found to need further improvement during PDI:

- Exterior Cleanliness
- Interior Cleanliness
- Fully Charged Battery
- Tire Pressure Too High
- Clock Not Set
- Minor Paint Chips and Scratches
- Functions and Features Knowledge

Our vehicles today are often packed with new technologies and features that can be unfamiliar to the average consumer. Get

familiar with the Quick Reference Guide and familiarize yourself with any feature in a customer's vehicle that they don't understand. Vehicle features that are "Difficult to Understand" (DTU) can have as much impact on their perceptions of quality as a defect. Our customers will rate us based on their level of satisfaction with the product. Your dealership has incredible power to influence the outcome. Make your initial customer contact a positive experience.























Special Service Tools

Special Service Tools are critical to enhancing and maintaining your Hyundai Customer Satisfaction scores. Make sure to keep your service tool inventory updated. Below is the latest listing of SSTs:





















ENGINE

Index No.	Tool No. & Description	Illustration	Application	On Hand	Order
1	09213-33000 Balance Shaft Plug Socket		EF, SM, Y3		
2	09214-21000 Crankshaft Front Oil Seal Installer		CM, JM, GK, LC, X3, Y3		
3	09214-32000 Crankshaft Front Oil Seal Installer		EP, XD, SM, MC, JM, NF, TG, HD		
4	09214-33000 Front Crank Oil Seal Installer		CM, JM, GK, SM, EF, RC, XD		
5	09214-3K000 Crankshaft Front Oil Seal Installer		NF		
6	09214-3K100 Crankshaft Rear Oil Seal Installer		NF		
7	09215-3C000 Oil Pan Removal Tool		UNIVERSAL		
8	09220-2D000 Valve Clearance Adapter Tool		JM, GK, HD, XD		
9	09221-21000 Camshaft Oil Seal Installer		NF, TG, MC, JM, GK, HD, LC, SM, XD, EF		
10	09221-4A000A Torque Angle Adapter		BH, Y2, EF, Y3, NF		
11	09222-21100 Valve Stem Oil Seal Installer		SM, EF, LC, RC, X3		
12	09222-22001 Valve Stem Oil Seal Installer		MC, JM, CM, GK, HD, XD, LC, EF, XG		
13	09222-28200 Valve Stem Seal Installer		BH, SM, EF, Y3, XG		
14	09222-29000 Valve Stem Oil Seal Remover		BH, EN, CM, NF, TG, EP, GK, XD, RC, RD		
15	09222-32100 Valve Stem Oil Seal Installer		EP, NF, CM, TG, MC, GK, JM, XD, SM, EF		
16	09222-3C100 Valve Stem Oil Seal Installer		BH, Y2, EF, Y3, NF		
17	09222-3C300 Valve Spring Compressor Adapter		BK		












ENGINE /Cont.

Index No.	Tool No. & Description	Illustration	Application	On Hand	Order
18	09222-3K000-KIT Valve Spring Compressor Kita		ALL		
19	09222-4A000 Valve Stem Seal Installer		BK		
20	09231-21000 Crankshaft Rear Oil Seal Installer		MC, JM, HD, XD, GK, SM, EF, RD, RC, X3, Y3		
21	09231-22000 Crankshaft Front Oil Seal Installer		X3, LC		
22	09231-2J300 Crankshaft Front Oil Seal Installer		BH		
23	09231-2J400 Crankshaft Rear Oil Seal Installer		BH		
24	09231-2J500 Oil Seal Installer		BH		
25	09231-2J600 Timing Chain Locking Tool		BH		
26	09231-33000 Crankshaft Rear Seal Installer		JM, CM, GK, SM, EF, XG, Y3		
27	09231-33100 Crankshaft Socket		SM, EF, XG, GK, Y3		
28	09231-38000 Camshaft Holder (2.4L DOHC Engine)		ALL		
29	09231-39000 Camshaft Locking Tool		ALL		
30	09231-3C300 Flywheel Stopper		BH, Y2, EF, Y3, NF		
31	09231-3D200 Torsion Damper Stopper		YF		
32	09231-3M100 Crankshaft Pulley Holder		BH		
33	09231-H1100 Installer Handle		BH, EP, TG, EN, CM, NF, XD		
34	09252-3D100 Drive Belt Remover		YF		
35	09314-3Q100 Torque Wrench Socket		YF		
36	09353-02100 Fuel Pressure Gauge Adapter		YF		
37	09240-2E100 Timing Tensioner Pin		UD/MD		
38	09240-2G000 Auto Tensioner Locking Tool		BK		










ENGINE /Cont.

Index No.	Tool No. & Description	Illustration	Application	On Hand	Order
39	09244-28101 Belt Tension Socket Wrench		ALL		
40	09246-32000 Holding Tool		UNIVERSAL		
41	09263-3C100A Filter Cap Socket		ALL		
42	09310-2S200 Fuel Pump Plate Cover Remover		ALL		
43	09310-3K000A Lock Ring Wrench		ALL		
44	09353-2B000 Injector Seal Installer Kit		UNIVERSAL		
45	09452-2J100 Oil Seal Installer		BH		
46	09452-2J200 Lock Nut Socket		BH		
47	09452-2J300 Oil Seal Installer		BH		
48	09452-3J100 Case Side Oil Seal Installer		EN		
49	09452-3J000 HSG Side Oil Seal Installer		EN		
50	09452-3M100 Oil Seal Installer		BH		
51	09452-3M200 Oil Seal Installer		BH		
52	09452-3M300 Oil Seal Installer		BH		
53	09452-3M400 Setting Tool		BH		
54	09453-3J000 Oil Pump Oil Seal Installer		EN		
55	09453-3J000A 3.0mm Sleeve		EN		
56	09453-3L240 Seal Installer		YF, CM		
57	09453-3L241 Seal Installer		LM		
58	09455-32200 Oil Seal Puller		JM, CM, EN, RD, RC, EF, X3, Y3		
59	09459-3J000 Oil Seal Installer (Under TCU)		EN		
60	09473-3J000 HSG Side Oil Seal Installer (4WD)		EN		














ENGINE /cont.

Index No.	Tool No. & Description	Illustration	Application	On Hand	Order
61	09500-11000 Threaded Seal Driver Handle		SM, RC, RD, EF, X3, Y3		
62	09500-21000 Non-Threaded Seal Driver Handle		SM, RC, RD, EF, X3, Y3		
63	J-43981-KIT Fuel Pressure Tester Kit Consists of: J-38228 Fuel Pressure Gauge 09353-29000 Adapter Gauge 09353-34000 Fuel Pressure Gauge Adapter 09353-38000 Fuel Pressure Gauge 09353-38000-35 Fuel Pressure Gauge Adapter		ALL		
64	J-44680 Evap Pressure Tester		ALL		
65	J-45722 Lock Ring Wrench		ALL		
66	J-46145 19mm Coolant Sensor Socket Wrench		ALL		
67	J-47440 Engine Support Fixture		ALL		
68	J-48889 Fuel Pump Removal Kit		ALL		
69	J-48983 Fuel Test Kit		UNIVERSAL		
70	MLR-8439 O2 Sensor Wrench		ALL		
71	ULD-300 Ultrasonic Leak Detector		ALL		











MANUAL TRANSAXLE

72	09411-11000 Clutch Disc Guide		NF, GK, HD, SM, XD, EF		
73	09411-43000 Clutch Disc Guide		BK		
74	09414-11000 Lock Pin Extractor		RC, RD, X3, Y3		
75	09414-11100 Lock Pin Installer		RC, RD, X3, Y3		
76	09431-21000 Front Oil Seal Installer		RC, RD, X3, Y3		
77	09432-21101 Input Shaft Holder		RD, X3, Y3		
78	09455-21000 Bearing & Gear Puller		SM, EF, XG, JM, CM, EN		
79	J-22912-B Rear Pinion & Axle Bearing Puller		ALL		
80	J-41614-10 5th Gear Sleeve Remover Set (Use with 09455-21000)		ALL		

AUTOMATIC TRANSAXLE

Index No.	Tool No. & Description	Illustration	Application	On Hand	Order
81	09231-3C100 Oil Seal Installer		TG, EN, BH, EP, NF, CM		
82	09231-3C200 Oil Seal Installer		TG, EN, BH, EP, NF, CM		
83	09431-21200 Oil Seal Installer		SM, LC, XD, EF, RC, RD, X3		
84	09431-34000 Oil Seal Installer				
85	09431-39000 Differential Oil Seal Installer		JM, NF, EF		
86	09450-AT000 ATM Tester II Kit: 09450-38000 ATM Shift Box Tester 09450-25000 LC ATM Tester Cable J-44533 A/T Tester II Storage Case		ALL		
87	09452-21200 Oil Pump Seal Installer		NF, CM, MC, HD, SM, RC, RD, X3, Y3		
88	09452-21401 Guide Pins		RD, RC, X3, Y3, EF		
89	09454-33000 Kickdown Servo Wrench				
90	09454-33101-A Kickdown Servo Socket Wrench-A		ALL		
91	09454-39000 Reduction Socket		ALL		
92	TCAE 125B Automatic Transmission Tester Plus		ALL		
93	TCAE 125B-ACLS AT Tester Cable		UNIVERSAL		



FRONT AXLE

94	09454-39100 Reduction Socket Wrench		ALL		
95	09454-39200 Reduction Socket Wrench Holders		ALL		
96	09473-26000-35 Oil Seal Installer		ALL		
97	09491-2B100 Prop Shaft Center Bearing Installer		ALL		
98	09495-22000-A C.V. Joint Remover		ALL		
99	09495-3K000A Band Installer		BH, Y2, EF, Y3, NF		
100	09500-26000 Pinion Height Gauge		SM		
101	09568-2J100 Ball Joint Puller		BH		
102	09568-4A000 Ball Joint Puller		BH, Y2, EF, Y3, NF		
103	09580-3D100 AHB Brake Bleeding Tool		YF		











FRONT AXLE /cont.

Index No.	Tool No. & Description	Illustration	Application	On Hand	Order
104	09580-3D200 AHB Brake Bleeding Tool Adapter		YF		
105	09581-11000 Piston Expander		BK		
106	09977-29000 Disc & Hub Bolt Remover		BH, Y2, EF, Y3, NF		
107	J-49024 Bushing Removal/Installation Tool Kit		ALL		

REAR AXLE

108	09495-33000 Bearing Remover		ALL		
109	09517-21000 Seal Installer				
110	09517-21500 Front Hub Remover & Installer		MC, NF, TG, EP, GK, SM, LC, XD, EF, XG		
111	09517-29000 Knuckle Arm Bridge		MC, GK, XD, SM, LC		
112	09532-11000 Taper Roller Bearing Puller		RD, RC, X3, EF		

BODY & TRIM

113	0957A-34100-B SRS Deployment Tool		ALL		
114	0957A-38500 Deployment Adapter		NF, MC, JM, TG, BH, EP, EN, CM, GK, HD, NF, SM		
115	0957A-3N000 Deployment Adapter		VI		
116	0957A-3F000 Dummy Adapter		NF, MC, TG, CM, JM, BH, EN, EP		
117	0957A-3S100 Deployment Adapter		YF		
118	09840-1E100 Facia Remover Tool		UNIVERSAL		
119	09853-31000 Head Lining Clip Remover		NF, MC, CM, HD, BH, GK, JM, XD, TG, LC, XG, EP, EN		
120	09890-3N100 LDWS Setting Jig		VI, BH		
121	J-2189-32 Ornament Remover		ALL		
122	J-43980-HMA Squeak & Rattle Repair Kit		ALL		

APPLICATION KEY




Y1 = EXCEL (1986-89)	EF = SONATA (1999-2005)
X2 = EXCEL (1990-94)	NF = SONATA (2006)
X3 = ACCENT (1995-99)	YF = SONATA (HEV)
LC = ACCENT (2000-CURRENT)	CM = SANTA FE
SLC = SCOUPE (1990-94)	SM = SANTA FE (2001-CURRENT)
J1 = ELANTRA (1991-95)	LM = TUCSON
RD-J2 = ELANTRA (1996-2000)	XG = XG300/XG350 (2001-CURRENT)
XD = ELANTRA (2001-2010)	JM = TUCSON (2005)
UD/HO = ELANTRA (2011)	EN = VERACRUZ
RC-COUPE = TIBURON (1997-2001)	EP = ENTOURAGE (2007)
GK = TIBURON (2003-CURRENT)	VI = EQUUS
Y2 = SONATA (1989-94)	BH = GENESIS
Y3 = SONATA (1995-98)	BK = GENESIS COUPE

continued on page 8

Special Service Tools

continued from page 7

BODY & TRIM /cont.

Index No.	Tool No. & Description	Illustration	Application	On Hand	Order
123	J-44611-KIT-A SRS II Kit: J-44681 Dummy Load Adapter 0957A-2E100 Dummy Adapter 0957A-2E200 Dummy Adapter 0957A-2E210 Deployment Adapter 0957A-3F100 Deployment Adapter 0957A-38510A Deployment Adapter 0957A-25000 Deployment Adapter	 0957A-1C000 Dummy Adapter 0957A-2D100 Dummy Adapter 0957A-2D200 Deployment Adapter 0957A-2D100 Dummy Adapter 0957A-38000 Diagnosis Checker 0957A-38200 Dummy 0957A-38300 Dummy Adapter	ALL		
124	J-46274 Trim Removal Tool		ALL		
125	J-50577 Lap PT Release Tool (Quantity 2)		UD/MD		




TOOL STORAGE

126	J-47000 Hyundai SST Storage Cabinet		ALL		
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




AIR CONDITIONING

Index No.	Tool No. & Description	Illustration	Application	On Hand	Order
127	09977-28000 A/C Tube Remover 3/8"		ALL		
128	09977-33600 (1/2", 5/8") Tube Remover		ALL		

MISCELLANEOUS

129	1-RF13-HY-KIT Road Force Balancer Kit		UNIVERSAL		
130	09954-2P100 RKE Battery Checker		ALL		
131	J-35616-F Pin Test Kit		ALL		
132	J-39570 Chassis Ears		ALL		
133	J-46436-A Wire Harness Repair Kit		UNIVERSAL		
134	J-47343 RF Detector		ALL		

MISCELLANEOUS /cont.

135	J-47439 GDS Diagnostic Kit		ALL		
136	J-47439-VEKIT VE Basic Kit with Software		ALL		
137	J-48755-5 Magnetic Car Topper		YF		
138	J-48755-11H Insulated Safety Gloves with Leather Outer Protector		YF		
139	J-48755-12H Insulated Safety Gloves with Leather Outer Protector		YF		
140	J-48755-13 Safety Cone (Quantity 2)		YF		
141	GR8-1270 Battery Diagnostic Station		UNIVERSAL		
142	TCLE 020A Wiring T Connector		UNIVERSAL		
143	TCLE 020C Wiring Tester		UNIVERSAL		
144	TCLE-400A Insulated Tool Kit		YF		

APPLICATION KEY

X1 = EXCEL (1986-89)
X2 = EXCEL (1990-94)
X3 = ACCENT (1995-99)
LC = ACCENT (2000-CURRENT)
SLC = SCOUPE (1990-94)
J1 = ELANTRA (1991-95)
RD-J2 = ELANTRA (1996-2000)

XD = ELANTRA (2001-2010)
UD/MD = ELANTRA (2011)
RC-COUPE = TIBURON (1997-2001)
GK = TIBURON (2003-CURRENT)
Y2 = SONATA (1989-94)
Y3 = SONATA (1995-98)
EF = SONATA (1999-2005)

NF = SONATA (2006)
YF = SONATA (HEV)
CM = SANTA FE
SM = SANTA FE (2001-CURRENT)
LM = TUCSON
XG = XG300/XG350 (2001-CURRENT)

JM = TUCSON (2005)
EN = VERACRUZ
EP = ENTOURAGE (2007)
VI = EQUUS
BH = GENESIS
BK = GENESIS COUPE

Are You Using the Latest Version TSB?

From time to time, Technical updates require that a Technical Service Bulletin be revised. Occasionally, it is a familiar TSB. Make sure that the TSB stored in your tool box is the latest version. The best way to confirm you are using the latest version is with the HTSS

system. Any updates are available in the HTSS database. If you are connected to the internet and detect a code using GDS, HTSS will launch and deliver the latest TSB as a link, if one applies. Below is a partial list of the most recent TSB revisions to give you an view of the situation.

NUMBER	DATE	MODEL	SUBJECT
12-EE-001-1	9/21/2012	SANTAFE (CM)	STARTER MOTOR LEVER REPLACEMENT
12-BE-012-1	7/9/2012	GENESIS (BH)	DRIVER INFORMATION SYSTEM (DIS) OPERATING SOFTWARE UPDATE
12-AT-009-3	7/6/2012	TUCSON (LM)	ATM INPUT AND OUTPUT SPEED SENSOR DTC P0717, P0721 AND P0722
12-AT-002-2	6/25/2012	VELOSTER (FS)	DUAL-CLUTCH TRANSMISSION DTC P0715, P0716, P0807, P0808, P0880, P0900, P0906, P0907, P0910, P0916, P0917, P0920, P1785, P1786, P1787, P17C1, P17C2, P1807, P1808, P1900, P2765, P2766, U1103
12-AT-003-1	6/20/2012	ELANTRA (UD/MD)	RATTLE NOISE IN REVERSE WHEN COLD
12-BE-005-2	6/1/2012	All	CLEARING DIAGNOSTIC CODE(S) FROM THE BLUE LINK SYSTEM
12-AT-006-1	4/10/2012	All	HYUNDAI SPECIFIED ATF AND ADDITIVE USAGE
12-AT-004-1	4/9/2012	EQUUS (VI)	8-SPEED AUTOMATIC TRANSMISSION FLUID LEVEL
12-SS-001-1	3/21/2012	ACCENT (RB)	ALIGNMENT SPECIFICATIONS - 2012MY
11-AT-017-1	12/5/2011	EQUUS (VI)	AUTOMATIC TRANSMISSION SOLENOID & SENSOR DTC P0741, P0743, P0748, P0753, P0758, P075A, P0763, P0768, P0773, P2709 & P0841
11-AT-016-1	12/5/2011	GENESIS (BH)	ATM OIL TEMPERATURE SENSOR DTC P0711, P0712 & P0713
11-AT-015-1	12/5/2011	GENESIS (BH)	ATM INPUT, MIDDLE AND OUTPUT SPEED SENSOR DTC P0717, P0721, P0722 & P0791
11-FL-003-2	12/2/2011	SONATA (YF)	CHECK ENGINE LIGHT DTC P0128 (COOLANT THERMOSTAT)

iPhone® /iPod® USB Data Cable

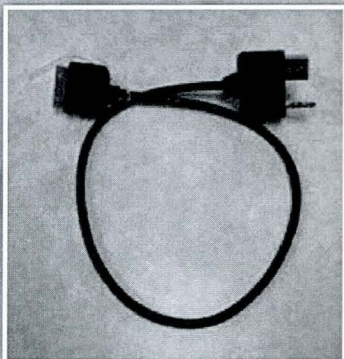
It is very important that a compatible USB/IPOD cable is used with radio units for 2012 and 2013 Model Year vehicles to ensure full iPod features and functions in the audio and navigation system.

If a non compatible cable is used, the audio screen will display "Aux External Device Connected" and all

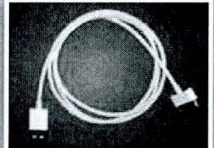
iPod functions will be required to be controlled from the iPod or iPhone unit. It will also not charge the iPod or iPhone.

Refer to the table below for the cable and vehicle model compatibility.

APPLICABLE VEHICLES: All 2012 - 2013MY equipped with a USB jack

YEAR	MODEL	RADIO TYPE	CABLE
2012 - 2013	Sonata (YF, YF-HEV)	AVN (Navigation)	
2012 - 2013	Equus (VI)	DIS	
2012	Genesis Sedan (BH)	Base Audio, Touch Screen, DIS	
2012 - 2013	Genesis Coupe (BK)	AVN (Navigation), Base Audio	
2012 - 2013	Elantra (GD, UD/MD, JK)	AVN (Navigation)	
2012 - 2013	Elantra (JK*, UD/MD*)	Base audio	
2012	Santa Fe (CM)	AVN (Navigation), Base Audio	
2012	Azera (HG)	AVN (Navigation)	
2012 - 2013	Accent (RB)	Base Audio	
2012 - 2013	Tucson (LM)	AVN (Navigation), Base Audio	

P/N 08620 2L000

YEAR	MODEL	RADIO TYPE	CABLE
2013	Santa Fe (AN) (NC)	Base Audio, AV, AVN (Navigation)	
2012 - 2013	Veloster (FS)	AV, AVN (Navigation)	
2013	Genesis Sedan (BH)	DIS	
2012 - 2013	Sonata (YF, YF-HEV)	Base Audio	
2013	Elantra (GD, UD/MD*, JK*)	Base Audio	

P/N MA591G
(same cable from Apple store)

* 2013 Elantra Sedan(UD/MD) and Elantra Coupe(JK) have a standard radio change on 9/13/2012.



If the radio has one knob use the black cable.



If the radio has two knobs use the white cable.

NOTE: iPod® and iPhone® are registered trademarks of Apple, Inc.

Backup Camera And Camera Module Compatibility

DESCRIPTION: PARTS MATRIX*

* Always verify current part numbers during any part replacement.

MODELS	BACKUP CAMERA	COMPATIBLE CAMERA MODULE
Equus	95760-3N500	95770-3N060
	95760-3N010	95770-3N260
Genesis	95760-3M060	95770- 3M100
	95760-3M000	95770- 3M100
	95760-3M061	95770- 3M100
	95760-3M050	95770- 3M100
Veloster	95760-2V000	N/A
Azera	95760-3V010	N/A
Sonata	95760-3S100	95770-3Q000
Sonata Hybrid	95760-3S100	95770-4R000
	95760-3S101	95770-4R000
Elantra	95750-3X100	N/A
	95750-3X101	N/A
	95750-3X105	N/A
Elantra Coupe	95750-3X345	N/A
Santa Fe	95760-2W000	N/A
	95760-2W150	N/A

APPLICABLE VEHICLES: 2011MY, 2012MY, 2013MY – Equus, Genesis, Veloster, Azera, Sonata, Sonata Hybrid, Elantra, Elantra Coupe, Santa Fe

WARRANTY INFORMATION:

OP CODE	OPERATION	OP TIME
	Normal warranty applies	



Fix-It-Right

FRONT MUFFLER RATTLE NOISE IN REVERSE WHEN COLD

DESCRIPTION:

Some Elantra (MD) vehicles may experience a rattle noise from the front muffler when stopped or backing up. The noise is most noticeable when the engine is cold and does not occur after the engine is warm.

This article provides a procedure to replace the front muffler hanger.

APPLICABLE VEHICLES:



Elantra(MD) with automatic transaxle (VINs beginning with KMHDH-)

APPLICABLE PRODUCTION DATE RANGE:

From the beginning of production to Nov. 23,

NOTE: Refer to TSB 12-EM-001-2 if the rattle noise is from the center muffler heat shield underneath the vehicle when the engine is cold or hot.

PARTS INFORMATION:

PART NAME	PREVIOUS PART NUMBER	NEW PART NUMBER
Front Muffler Hanger		
	28760-2G000	28761-H1000-FFF

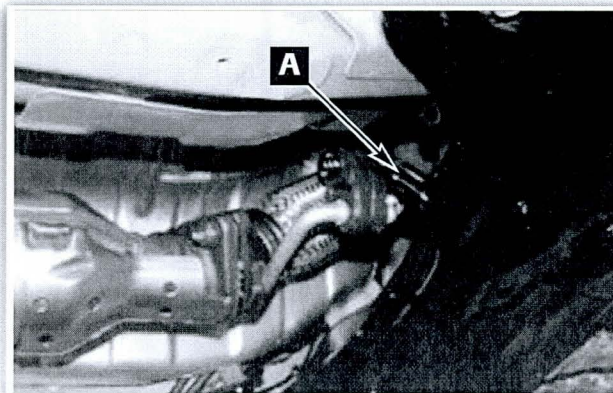
WARRANTY INFORMATION:

OP CODE	OPERATION	OP TIME	CAUSAL PART	NATURE CODE	CAUSE CODE
28760F00	Front muffler hanger	0.2	28760-2G000	N29	C10

WARNING: ALLOW THE MUFFLER TO COOL BEFORE BEGINNING THE REPAIR.

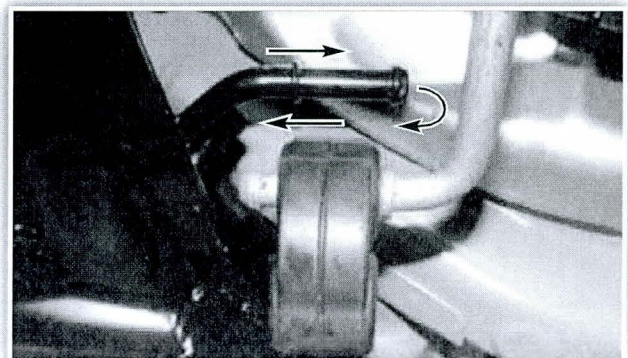
SERVICE PROCEDURE:

1. Lift up the vehicle on a hoist and locate the front hanger of the front muffler (A).



2. Remove the front hanger of the front muffler.

Pull the upper hole side of the front hanger off the nipple (black), then remove the hanger.



continued on page 12

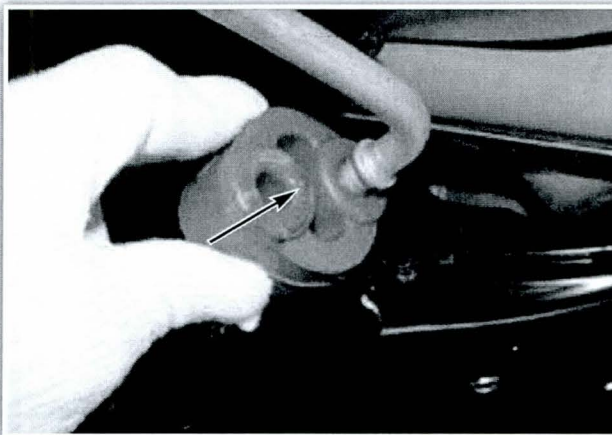
Fix-It-Right

Front Muffler Rattle Noise In Reverse When Cold

continued from page 11

3. Install the new front hanger in reverse order of removal.
4. Test the vehicle to confirm the rattle noise is eliminated.

NOTE: If a rattle noise is heard from the center muffler heat shield underneath the vehicle when the engine is cold or hot, refer to TSB 12-EM-001-2 for the repair procedure.



TECHNET TIDBIT

On a 2013 Santa Fe Sport, if the battery has been discharged or disconnected, the following items need to be reset:

- | | |
|------------------------|--------------------------|
| ■ Auto up/down windows | ■ Climate control system |
| ■ Sunroof | ■ Clock/calendar |
| ■ Trip computer | ■ Audio system |

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TechNet Times is published monthly by Hyundai Motor America's National Service Training & Support Department for Hyundai Dealership Technicians. The subjects covered in this publication are often one of a kind items, but they may help you to solve similar incidents. In all cases, the diagnostic procedures recommended in the Shop Manuals should always be performed first.

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