HYUNDAI NEW THINKING. NEW POSSIBILITIES.	GROUP	NUMBER
Technical Service Bulletin	**AUTOMATIC TRANSMISSION**	**14-AT-008**
	DATE **MAY 2014**	MODEL **ALL**
SUBJECT	AUTOMATIC TRANSAXLE CONTROL MODULE – RESET AND RELEARN ADAPTIVE VALUES	

This TSB supersedes TSB 13-AT-016 to add 2014~15 vehicles.

NOTICE

After replacing a transaxle or PCM/TCM or reprogramming the PCM/TCM, follow this procedure to reset and relearn the adaptive learning to improve shift quality.

Description: The PCM or TCM contains logic to adjust solenoid duty and line pressure as needed to compensate for normal clutch wear over the life of the transaxle. This bulletin provides the procedures necessary to reset (erase) and "relearn" the PCM/TCM adaptive values.

After the following repairs have been completed, the PCM/TCM adaptive values must be reset in order to provide optimum shift quality:

- Replace automatic transaxle or PCM/TCM
- Reprogram or exchange a PCM/TCM from another vehicle

Applicable Vehicles: All except Dual-clutch Transmission

Warranty Information: Normal Warranty applies

I. RESET PCM/TCM ADAPTIVE VALUES WITH GDS:

SERVICE PROCEDURE

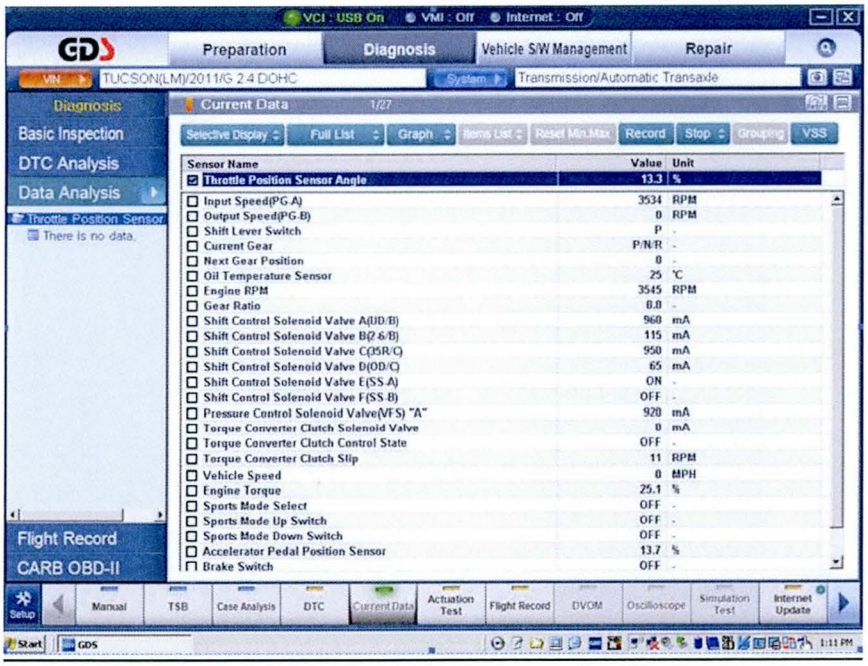
1. Attach a GDS and select VIN and A/T menu.
2. From the main screen, select **"Option Treatment"**
3. Select "**Resetting Auto T/A values**" and follow the screen prompts.

GDS must be used to reset the adaptive learning for the following vehicles (except DCT).

MODEL	YEAR	GDS REQUIRED
ACCENT	2006~	ALL
AZERA	2006~	ALL
ELANTRA SEDAN	2003~	From 12/01/2002
ELANTRA TOURING	2009~	ALL
ELANTRA GT & COUPE	2013~	ALL
ENTOURAGE	2007~08	ALL
EQUUS	2011~	ALL
GENESIS COUPE	2010~	ALL
GENESIS SEDAN	2009~	ALL
SANTA FE	2005~06	ALL
SANTA FE	2007~09	ALL
SANTA FE	2010~	ALL
SONATA	2005~	ALL
SONATA	2006~10	ALL
SONATA	2011~	ALL
SONATA HEV	2011~	ALL
TIBURON	2005~08	ALL
TUCSON	2005~09	ALL
TUCSON	2010~	ALL
XG350	2005~	ALL
VERACRUZ	2007~12	ALL
VELOSTER TURBO	2013~	ALL

II. RELEARN ADAPTIVE VALUES:

1. Attach a GDS and select VIN and A/T menu, Current Data and **Throttle Position Sensor.**



2. Drive the vehicle until the ATF temperature is within the range shown on Page 4.
3. Request an assistant to monitor the GDS:
   Accelerate from a stop at the TPS specification while the transmission shifts through gears 1-2-3-4-5-6-7-8 (if equipped) and decelerate slowly to a stop. Repeat 5 times.

NOTICE

Hold the accelerator pedal steady during the upshifts.

Do not exceed local speed limits.

4. Stop the vehicle and move the shift lever from N to D and N to R, stopping 3~5 seconds in each gear. Repeat 5 times.

Dual-clutch Transmission only: Refer to the TSB or shop manual.

MODEL	YEAR	ENGINE	TSB
VELOSTER (FS) DCT	2012~	1.6L	TSB 13-AT-003
SONATA (LF) DCT	2014~	1.6L Turbo	Shop Manual

MODEL	YEAR	ENGINE	TPS	ATF TEMPERATURE
ACCENT (MC/LC)	2000~11	1.6L	25~35%	122~194°F (50~90°C)
ACCENT (RB)	2012~	1.6L	15~25%	104~194°F (40~90°C)
AZERA (TG)	2006~10	3.3L, 3.8L	25~35%	50~122°F (10~50°C)
AZERA (TG)	2011	3.3L, 3.8L	10~30%	140~240°F (60~115°C)
AZERA (HG)	2012~	3.3L, 3.8L	15~25%	104~212°F (40~100°C)
ELANTRA SEDAN (XD)	2001~06	2.0L	25~35%	122~194°F (50~90°C)
ELANTRA SEDAN (HD)	2007~10	2.0L	25~35%	50~122°F (10~50°C)
ELANTRA TOURING (FD)	2009~12	2.0L	25~35%	50~122°F (10~50°C)
ELANTRA SEDAN (MD/UD)	2011~	1.8L	15~25%	104~212°F (40~100°C)
ELANTRA GT (GD) & COUPE (JK)	2013~	1.8L	15~25%	104~212°F (40~100°C)
ENTOURAGE (EP)	2007~08	3.8L	25~35%	50~122°F (10~50°C)
EQUUS (VI)	2011	4.6L	13~17%	122~248°F (50~120°C)
EQUUS (VI)	2012~	4.6L, 5.0L	15~30%	86~203°F (30~95°C)
GENESIS COUPE (BK)	2010~12	3.8L	15~20%	122~248°F (50~120°C)
GENESIS COUPE (BK)	2010~12	2.0L	10~13%	68~248°F (20~120°C)
GENESIS COUPE (BK)	2013~	2.0L, 3.8L	15~30%	86~203°F (30~95°C)
GENESIS SEDAN (BH)	2009~11	3.8L	25~35%	151~230°F (66~110°C)
GENESIS SEDAN (BH)	2009~11	4.6L	15~20%	122~248°F (50~120°C)
GENESIS SEDAN (BH)	2012~	3.8L, 4.6L, 5.0L	15~30%	86~203°F (30~95°C)
GENESIS SEDAN (DH)	2014~	3.8L, 5.0L	15~30%	86~203°F (30~95°C)
SANTA FE (SM)	2001~06	2.4L, 2.7L, 3.5L	25~35%	50~122°F (10~50°C)
SANTA FE (CM)	2007~09	2.7L, 3.3L	25~35%	50~122°F (10~50°C)
SANTA FE (CM)	2010~ 12	2.4L, 3.5L	15~30%	140~239°F (60~115°C)
SANTA FE (NC/AN)	2013~	2.0L, 2.4L, 3.3L	15~25%	104~212°F (40~100°C)
SONATA (EF)	1999~2005	2.4L, 2.7L	25~35%	50~122°F (10~50°C)
SONATA (NF)	2006~10	2.4L, 3.3L	25~35%	50~122°F (10~50°C)
SONATA (YF)	2011~	2.0L	15~25%	104~212°F (40~100°C)
SONATA (YF)	2011~	2.4L	15~30%	140~239°F (60~115°C)
SONATA HEV (YF)	2011~	2.4L	10~15%	104~203°F (40~95°C)
SONATA (LF)	2014~	2.0L, 2.4L	15~25%	104~203°F (40~95°C)
TIBURON (GK)	2003~08	2.0L, 2.7L	25~35%	50~122°F (10~50°C)
TUCSON (JM)	2005~09	2.0L, 2.7L	25~35%	50~122°F (10~50°C)
TUCSON (LM)	2010~	2.0L, 2.4L	15~30%	140~239°F (60~115°C)

MODEL	YEAR	ENGINE	TPS	ATF TEMPERATURE
VERACRUZ (EN)	2007~12	3.8L	25~35%	151~230°F (66~110°C)
VELOSTER TURBO (FS)	2013~	1.6L Turbo	15~25%	104~212°F (40~100°C)
XG300 (XG)	2001	3.0L	25~35%	122~194°F (50~90°C)
XG350 (XG)	2002~05	3.5L	25~35%	50~122°F (10~50°C)