



HYUNDAI Technical Service Bulletin

Group	SUSPENSION - TPMS
Number	10-SS-002
Date	FEBRUARY, 2010
Model	ALL MODELS

Subject	TPMS (TIRE PRESSURE MONITORING SYSTEM) GENERAL INFORMATION
---------	---

CIRCULATE TO:	<input type="checkbox"/> GENERAL MANAGER	<input checked="" type="checkbox"/> PARTS MANAGER	<input checked="" type="checkbox"/> TECHNICIAN
<input checked="" type="checkbox"/> SERVICE ADVISOR	<input checked="" type="checkbox"/> SERVICE MANAGER	<input checked="" type="checkbox"/> WARRANTY MGR	<input type="checkbox"/> SALES MANAGER

This TSB provides a general overview of TPMS systems, a diagnostic chart, GDS tool basic use instruction, and warranty policy.

CONTENTS OF THIS TSB:

TOPIC	PAGE
1. TPMS Overview	2
2. Diagnostic Chart	4
3. Detailed TPMS Information	6
a. Low Tire Pressure Warning Light ON	6
b. NF Sonata - 08MY vs. 09MY Part Numbers	8
c. Valve Stem Damage	9
d. Valve Stem Cap Corrosion	12
e. Electro-magnetic Interference	13
f. TRW TPMS Sensor and Module Replacement Procedures	14
g. Lear Snap-In Valve	18
4. GDS TPMS Tool Basics	19
5. TPMS Technical Training Online	23
6. Warranty Information	24

1. Tire Pressure Monitoring System (TPMS) Overview

The TPMS system is designed to monitor tire pressure and alert the driver when a tire is significantly underinflated. Hyundai vehicles feature 2 types of systems termed “High-Line” and “Low-Line”. High-Line systems are able to display a low pressure condition for each tire position, while Low-Line systems do not indicate which tire is underinflated.

Hyundai uses three suppliers for the TPMS systems across the vehicle line-up, TRW, Lear, and Siemens. Each of these systems operate in a very similar manner, but have some minor variations in operation as described in this TSB.

TPMS SYSTEM TYPE

MODEL	YEAR	SUPPLIER	HIGH	LOW
Accent (MC)*	All	TRW		X
Azera (TG)*	All	Lear		X
Elantra (HD)*	All	Lear		X
Elantra Touring (FD)	All	Siemens		X
Entourage (EP)	-08MY	Lear	X	
Genesis Coupe (BK)	10MY	Siemens		X
Genesis Sedan (BH)	09MY-	TRW	X	
Santa Fe (CM)	-08MY	Lear	X	
Santa Fe (CM)	09MY-	Lear		X
Sonata (NF)*	All	TRW		X
Sonata (YF)	11MY	Siemens		X
Tiburon (GK)*	All	TRW		X
Tucson (JM)*	All	TRW		X
Tucson (LM)	10MY	TRW		X
Veracruz (EN)	-08MY	Lear	X	
Veracruz (EN)	09MY	Lear		X

****If equipped with TPMS***