FORM – 138
Rev. 01/03/06

VEHICLE INFORMATION / TEST SPECIFICATIONS

FMVSS No. 138

Vehicle Model Year and Make: _____

Vehicle Model and Body Style: _____

1. List the following information for the designated standard and optional OE tires:
   A. Tire Type
   B. Tire Manufacturer
   C. Tire Name
   D. Tire Size

2. State whether the vehicle comes with a temporary or full size spare tire. State whether or not the Tire Pressure Monitoring System (TPMS) monitors the spare tire.

3. State whether or not the vehicle displays any TPMS information or messages on a reconfigurable display. State what information can be displayed.

4. TPMS Information

NOTE: If more than one level of TPMS is offered for the same vehicle (base vs. luxury), provide information for all TPMSs. If different inflation pressure sensors (direct systems) are used depending on the rim type, provide information for Items 4.B. and 4.C. for each rim offered.

A. Type: ☐ Direct ☐ Indirect ☐ Hybrid (If hybrid, explain how the system works.)

B. Tier-one TPMS system supplier: _____

C. Inflation pressure sensor part#/model: _____

D. Provide a systems diagram of all TPMS components including ABS speed sensors or inflation pressure sensors, antennas, electronic control unit, display interface (module), and any other components or sensors.

E. Telltale Configuration:

- ☐ Low tire pressure warning telltale and no TPMS malfunction telltale
- ☐ Combination low tire pressure / TPMS malfunction telltale
- ☐ Low tire pressure warning telltale and dedicated TPMS malfunction telltale

If a malfunction indicator is provided, indicate if it is compliant with the April 2005 final rule (70FR18136) as amended in September 2005 (70FR53079).

F. State whether or not the TPMS is equipped with the low tire pressure warning telltale that is the symbol identifying which tire(s) is (are) under-inflated. State whether the TPMS is equipped with both of the symbols for low tire pressure.

1. ☐ 2. ☐ (identifies the involved tire)

G. State whether or not the TPMS requires activation of a manual reset control. If activation is required, provide procedures for the proper use of the reset feature.

H. Explain system calibration requirements. State whether or not the system must execute a calibration procedure before it will properly identify an under-inflated tire.

I. Provide the TPMS activation pressure set point (the pressure at which the low tire pressure warning telltale is set to illuminate). If different inflation pressures are specified for front and rear tires, indicate if the TPMS has two activation pressure set points.

5. TPMS Malfunction Indicator

A. For direct TPMSs, provide procedures for dismounting a tire from rim and replacing the tire. Provide procedures for removing and installing wheel electronics into rim well. Indicate special tools that are required and provide a diagram of the tire pressure sensor components.

B. For indirect TPMSs, provide detailed procedures on how to disconnect the ABS speed sensors at each wheel position.

C. List the failure modes identified by the vehicle's TPMS malfunction indicator.

D. Provide the specific location and procedures for accessing the TPMS fuse/ circuit breaker and each component identified in the systems diagram provided in Item 4.D. Identify the locations of the TPMS wiring connection points on the vehicle.

E. Indicate whether the TPMS's electronic control module is hardwired to the low tire pressure warning telltale.

F. Provide any additional methods of simulating a TPMS malfunction used for certification.

6. Provide a copy of owner's manual sections that pertain to TPMS. Indicate whether or not the provided owner's manual statements are compliant with the April 2005 final rule.