

TIPS Technical Service Bulletin #2006-003

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Summary

TSB Topic:	TIPS release of updated software (Version 1.3.1)
Description of Issue:	A new software level, Version 1.3.1, was released on December 4th, 2005. The new software is required for your TIPS tool to work with the vehicles listed below.
Vehicles Affected:	MY06 Ford/Lincoln/Mercury vehicles with banded sensors: <ul style="list-style-type: none">• Ford Explorer / Mercury Mountaineer / Lincoln Aviator• Ford Escape, Mazda Tribute• Ford Freestar / Mercury Monterey (excluding Limited model which has an indirect TPMS system)
Current Software Version at time of TSB release	1.3.1
TPMS Sensors Affected:	Ford Banded sensors (Lear, Siemens)
Summary:	A new software level has been released and is available to all customers who have purchased a TIPS tool, own a Program Interface Module (PIM) with a valid software license. Version 1.3.1 software replaced Version 1.2.9, and is required for the TIPS tool to work with the vehicles listed above. A new triggering protocol (Mode 5) has been released with this software update.

Body of TSB

Vehicle Coverage

Ford and Mazda released so called “banded” sensors on the following MY06 vehicles:

- Ford Explorer / Mercury Mountaineer / Lincoln Aviator
- Ford Escape, Mazda Tribute
- Ford Freestar / Mercury Monterey (excluding Limited model which has an indirect TPMS system)

Banded Sensors - Identification of a vehicle with TPMS

Often technicians will identify a TPMS-equipped vehicle by the metal valve stem. Although this method is not 100% accurate (some models use metal valve stems a design cue), it usually works. However, in this case, Ford has released a TPMS sensor which is banded to the drop center of the wheel. Accordingly, the vehicles listed above will not have a metal valve stem, but will have a traditional black rubber valve stem. The TPMS

sensors are mounted 180 degrees away from the valve stem. The TIPS tool must be placed on the tire in this position to trigger or diagnose the sensor.

New Triggering Mode

A new triggering mode (Mode 5) has been released with this software level. The sensors represent a new modulated wave protocol, and respond at 315 MHz response frequency. Please consult the website for an updated list of triggering protocols (www.tipstool.com → Support → Sensors → Sensor Listing). Mode 5 will be represented on the *KTIp.s.t* tool by the first and third LED's, as shown in the website's sensor listing.