TPMS
User Guide

Version: 100501

Safety Precaution: this is to secure your safety and prevent damage to your properties.
Read it thoroughly for proper use.

Nextech

● Basic information for TPMS

1. Specifications

- **Frequency: 125 KHz, 315 MHz, 433 MHz (AM/FM)**
- **Power consumption: 3.6 Watts**
- **Specification: board integrated with CARMANSCAN Lite**

2. Purpose: diagnosing TPMS in vehicles after installing CARMANSCAN Lite

3. Diagnosis object:

- **Vehicles equipped with TPMS (refer to diagnosis coverage.)**

4. Power supply

- **Integrated battery and external DC power**

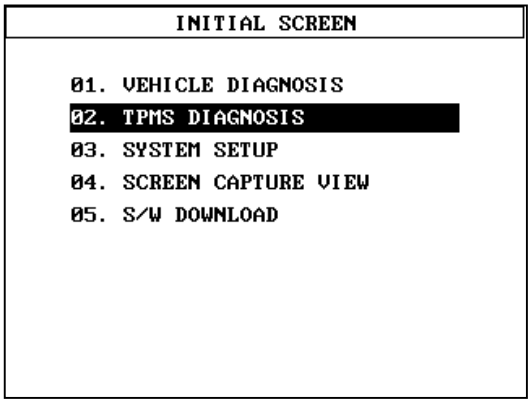
Diagnosing TPMS is considerably affected by power.
Therefore, it is recommended to charge your battery fully before diagnosis.

5. Update (diagnosis program)

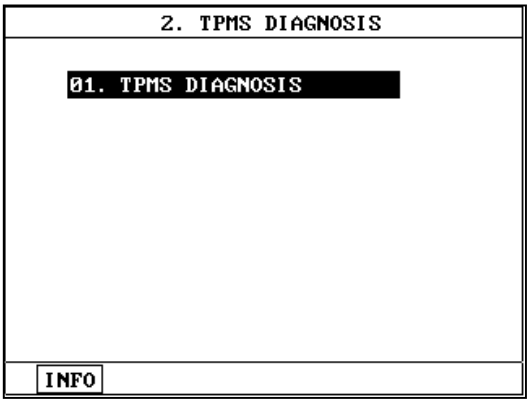
- **The program can be updated by connecting the USB terminal in the product.**
- **Web site: www.nex-tek.com**

- **How to diagnose TPMS**

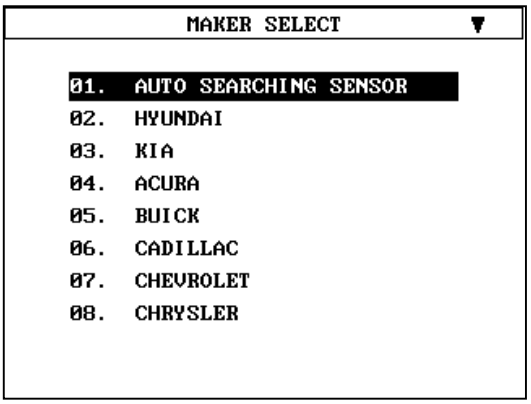
1. Automatic searching mode



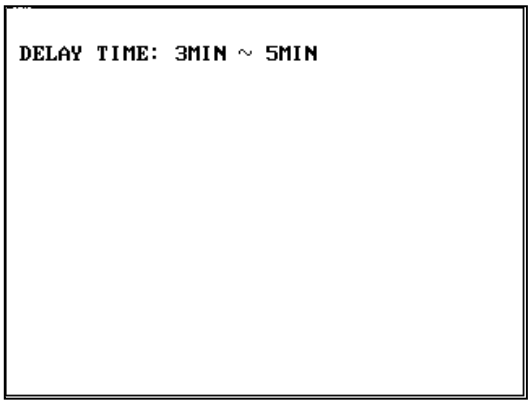
Select "TPMS DIAGNOSIS".



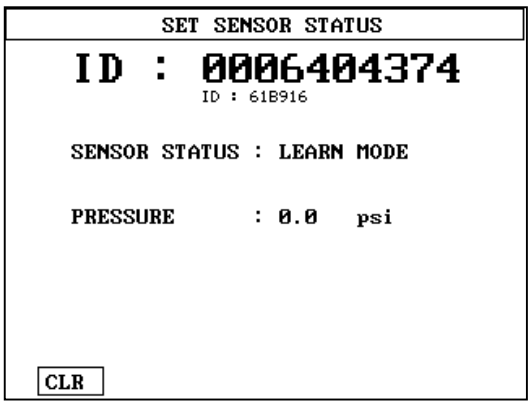
Select "TPMS DIAGNOSIS".



Select "AUTO SEARCHING SENSOR".

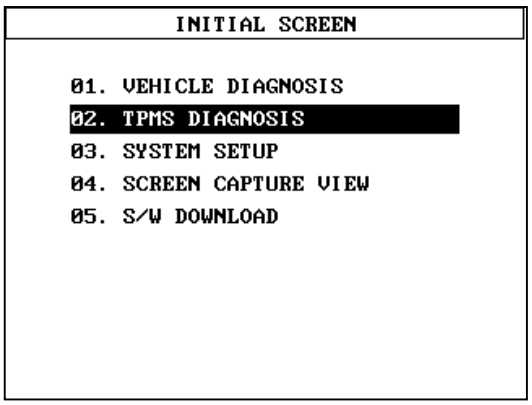


The sensor searching screen is displayed.

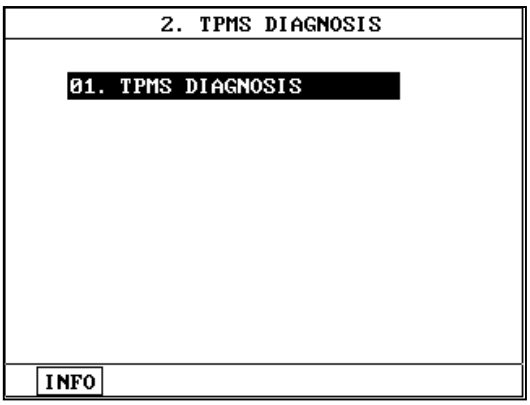


The "TPMS" status screen is displayed.

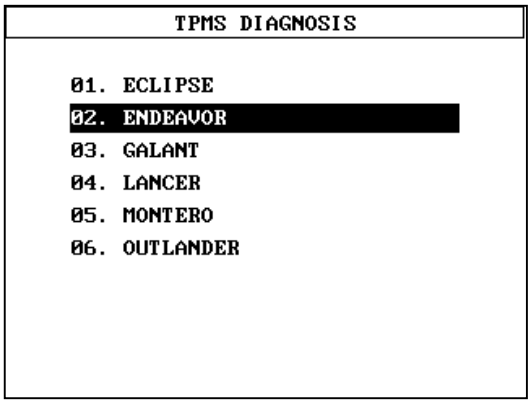
2. NORMAL MODE



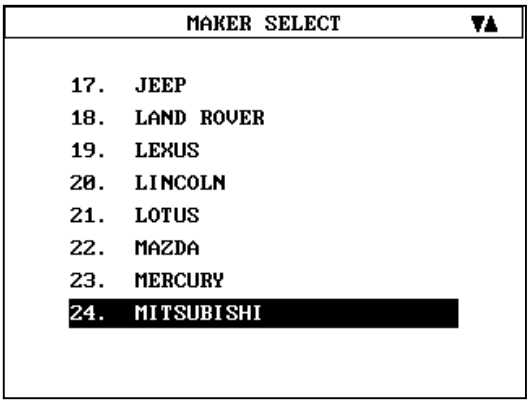
Select "TPMS DIAGNOSIS".



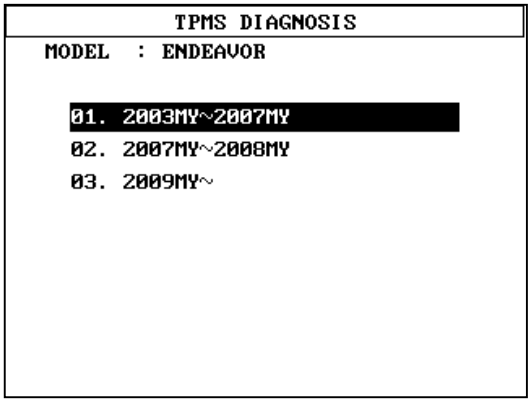
Select "TPMS DIAGNOSIS".



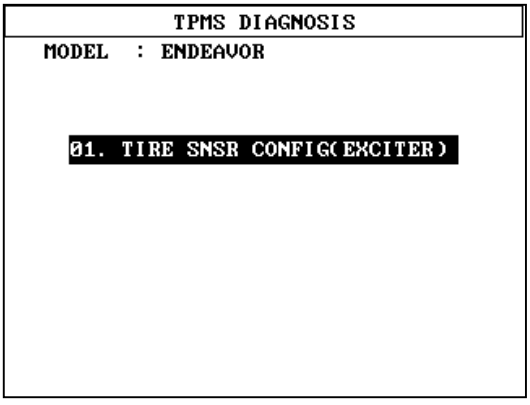
Select your vehicle model.



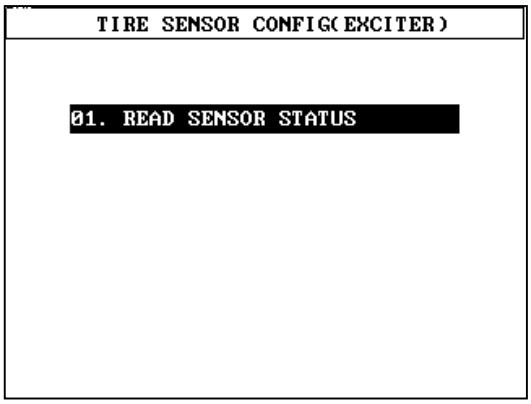
Select your vehicle manufacturer.

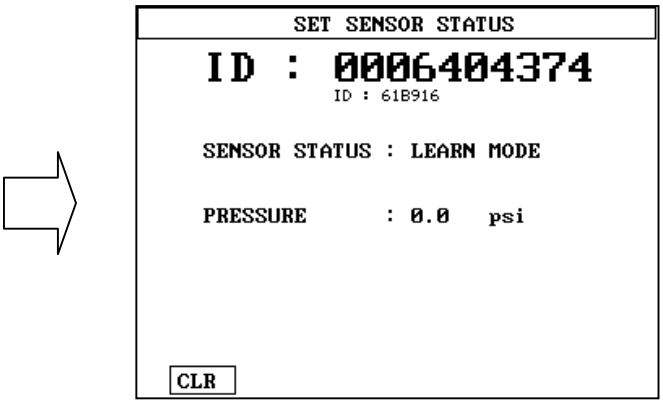


Select your vehicle manufacture year.



Select the function (1).





Select the function (2).

The TPMS status screen is displayed.

- **The sensor's ID, status and pressure can be checked on the TPMS screen.**
- **In the automatic searching mode, sensors equipped in the vehicle are automatically searched and checked for their types for proper diagnosis.**

- **Cautions for TPMS measurement**

1. Make sure to attach the top of the scanner to the installation surface of the TPMS on the tire to read the sensor.

- The response distance of the Schrader sensors is relatively short.
- The scanner may not function properly if it is not installed close to the sensor (within **5 cm**).

2. Sensors can be activated in different ways by their types.

a. For some old types of TOYOTA vehicles, tires should be deflated a little to activate them.
b. For some old types GM vehicles, The magnet should be placed on to the sensor valve to activate the sensors.
c. For some types of Ford vehicles, the valve is not installed to the sensor, but installed in the tire on the other side that is equipped with the valve.

*** Sensor activation**

- Sensors should be activated to diagnose them. If the activation conditions are not met, sensors are remained in the sleep mode.

In the above conditions, caution instruction is displayed on the screen.
Keep it in mind.

3. It is recommended to charging level over 90% before test.

- As the battery charging level can affect the diagnosis function, the battery should be charged sufficiently.
- If the scanner should be used in an extended period of time, it is recommended to use external power source by using a DC adapter.

CASE STUDY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