DORMAN®
MULTi-FIT

Owner's Manual

MULTi-FIT Tool 1 TPMS Programmer is designed to program Dorman MULTi-FIT TPMS Sensors.

Sensor Cradle

LCD Display

Indicators

Keypad

USB Connector

Keypad Summary

Power On / Off

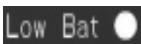Navigate through menus and parameters by

pressing up and down keys

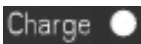Enter key, press to select function or
validate a parameter

Setting

Esc Esc key, press to return to the previous menu
without parameter validation

> Pressing the Esc key at the MAKE SELECTION
> menu accesses the SETTING menu of the
> MULTi-FIT Tool (see section 9)

Low Bat ● Indicator will turn red when battery is low

Charge ● Indicator will turn orange when charging

The USB connection allows software update via
Dorman software download

Power On The Device
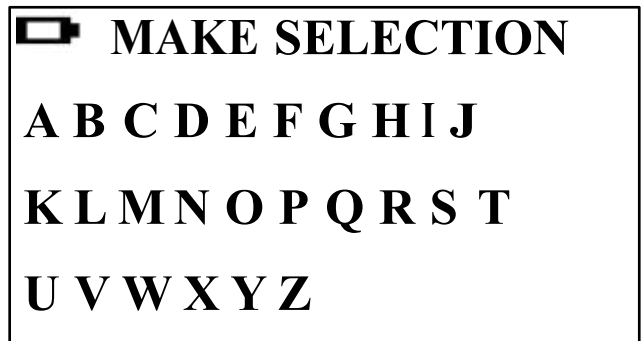
Press and hold the power key to power on the device

During power on, the device displays the Dorman logo.

DORMAN ®

Software revision number is located below the MULTi-FIT logo.

MULTi-FIT

2.2 ® DORMAN

Now the device is at the make selection menu

MAKE SELECTION

A B C D E F G H I J

K L M N O P Q R S T

U V W X Y Z

MULTi-FIT

Application Selection

Use arrow key to scroll up and down between maker

Make selection:
Use the arrow ⬆⬇ key to highlight the first letter of the vehicle make, press the "Enter" key ⏎ to select.

```
🔋  MAKE SELECTION
A B C D E F G H I J
K L M N O P Q R S T
U V W X Y Z
```

Make selection:
Use the arrow key ⬆ ⬇ to highlight the vehicle make, press the "Enter" key ⏎ to select.

```
🔋              B
BMW
Buick
```

Model selection:
Use the arrow key ⬆ ⬇ to highlight the model, press the "Enter" key ⏎ to select.

```
🔋            BMW
3 SERIES
5 SERIES
6 SERIES
```

Application Selection cont'd

Year selection:
Use the arrow key ⬆ ⬇ to highlight the year(s) and press the "enter" key ⬔ to select.

---

5 SERIES

2011-12 (433)
2006-09 (433)
2010-09 (433)

Manual Duplicate an O.E. Sensor

This function is designed to manually duplicate an O.E Sensor's unique ID and to bypass relearning the sensor to the vehicle.

Function selection:
Use the arrow key to highlight MANUAL DUPLICATE and press the "Enter" key to select.

```
┌─────────────────────────────────┐
│ ▭            5 SERIES            │
│                                 │
│ MANUAL DUPLICATE                │
│                                 │
│ PROGRAM BLANK SENSOR            │
│                                 │
│                                 │
└─────────────────────────────────┘
```
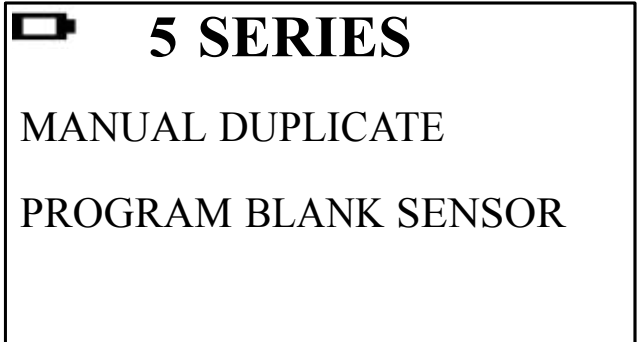
O.E ID Locator:
Use the O.E. ID Locator function to help find the Sensor ID on the O.E. sensor.
Select by pressing the "Enter" key

```
┌─────────────────────────────────┐
│ ▭      MANUAL DUPLICATE          │
│                                 │
│ O.E ID LOCATOR                  │
│                                 │
│ INPUT ID                        │
│                                 │
│                                 │
└─────────────────────────────────┘
```
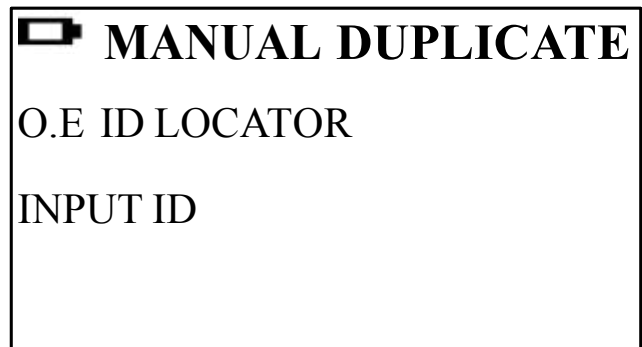
Manufacture Selection:
Use the arrow key to highlight the manufacturer of the O.E sensor.
Select by pressing the "Enter" key

```
┌─────────────────────────────────┐
│ ▭                               │
│                                 │
│ VDO                             │
│                                 │
│ BERU                            │
│                                 │
│                                 │
│ LEAR                            │
└─────────────────────────────────┘
```

ID Locator:
This will show you where the ID is located on the O.E. Sensor. Some manufacturers may have more than one type of sensor. Use the arrow ▲ ▼ key to browse.
To go back press the Esc key

Esc

Input ID:
Use the INPUT ID function to input the ID from the O.E. Sensor. Press the "Enter" key to select.

MANUAL DUPLICATE
BERU
O.E ID LOCATOR   ID
INPUT ID
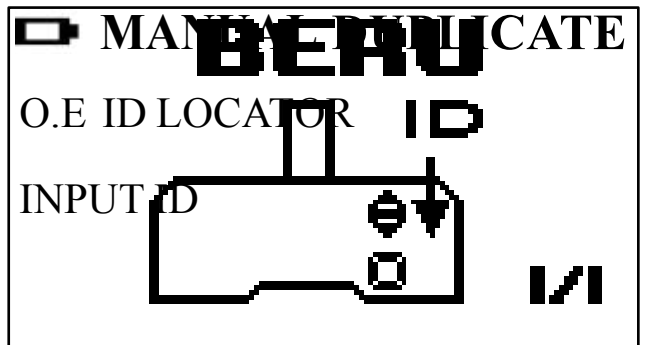
Input Sensor ID:
Use the arrow key ▲ ▼ to highlight the value. Press the "Enter" key to select the ID value.

5 SERIES

0 1 2 3 4 5 6 7 8 9 ↵
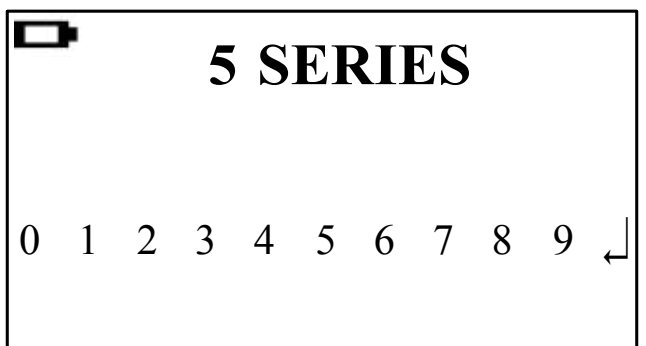
MULTi-FIT

Programming Sensor:
Once the last ID value is selected the MULTi-FIT Tool will program the sensor; the programming process will erase the flash, program the sensor, and verify the programming.

> **5 SERIES**
>
> PROGRAM SENSOR...

Program complete:
When the Program process is complete, the tool will signal with 2 short beeps to confirm programming completion.

> **5 SERIES**
> PROGRAMMED SUCCESSFUL
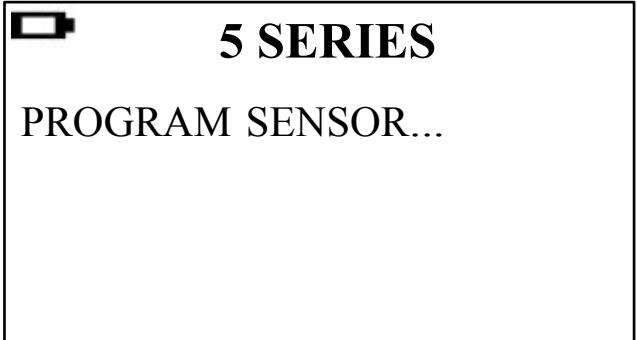
** Note: The MULTi-FIT Sensor is now ready to install and the vehicle will <u>not</u> need to go through a relearn. The MULTi-FIT sensor is programmed as an exact duplicate of the O.E. Sensor that it is replacing. The vehicle will accept the MULTi-FIT Sensor without the need of the relearning process. If the vehicle had DTC(s) set for TPMS prior to servicing, the vehicle may require a brief drive period to clear these DTC.

** Duplicate and Program function will only work with Dorman's MULTi-FIT Sensor and MULTi-FIT Sensor only.

MULTi-FIT

Programming a blank sensor

This function is designed to program a new replacement sensor by vehicle application. The vehicle's relearn procedure must be performed according to manufacturer's instructions after sensor is programmed and installed on vehicle to properly complete installation.

Function selection:
Use the arrow ⬆ ⬇ key to select PROGRAM BLANK SENSOR and press the "Enter" key ⊡ to select.
** Note: make sure the correct sensor is inserted in the cradle.

Program Blank Sensor:
The MULTi-FIT Tool will program the sensor; the programming process will erase the flash, program the sensor, and verify the programming.

Program complete:
When the Program process is complete, the tool will signal with 2 short beeps to confirm programming completion.

```
🔋  5 SERIES

MANUAL DUPLICATE

PROGRAM BLANK SENSOR
```

```
🔋



PROGRAM SENSOR...


```

```
🔋      5 SERIES
PROGRAMMED SUCCESSFUL
Sensor  ID  2024684782


(Esc) : BACK ( ↲ ) : PROGRAM
```
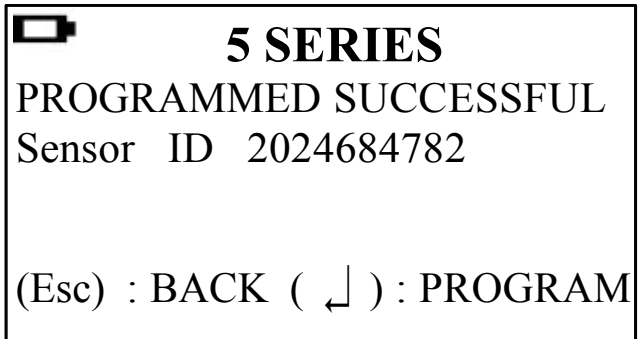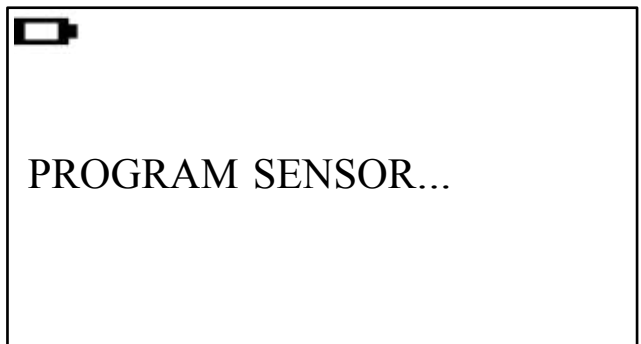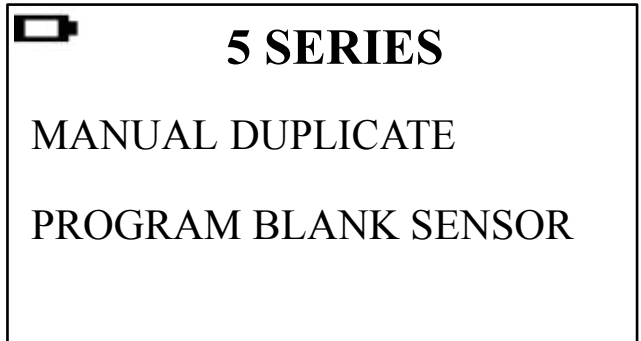
** **Note: Once the Program function is complete, the MULTi-FIT Sensor can be installed into the tire and the appropriate re-learn procedure must be performed to register the replacement ID(s).**

MULTi-FIT Tool Settings

Device Setting

Setting

Esc — Press Esc to go in to setting at maker selection menu

ID Format:
Change the ID format between decimal and hexadecimal with the "Enter" key

** Note: The preset is AUTO that automatically changes format based on input from the sensor.

🔋	**SETTING**
ID FORMAT:	Auto
AUTO OFF:	3min
DISPLAY CONTRAST:	05

Auto off:
User can adjust how quickly the tool will turn off after a period of non-use. This feature can also be disabled. Press the "Enter" key to select desired auto off time.

🔋	**SETTING**
ID FORMAT:	Auto
AUTO OFF:	3min
DISPLAY CONTRAST:	05

Display contrast:
User can adjust the contrast of display. Press the "Enter" key to highlight and use the arrows ▲ ▼ to adjust from 01 to 30

🔋	**SETTING**
ID FORMAT:	Auto
AUTO OFF:	3min
DISPLAY CONTRAST:	05

Device Setting

Setting

Esc — Press Esc to go in to setting at MAKE SELECTION menu

Device S/N:
The device's serial number is used to update the device's firmware via CD or internet.
** Note all of the update firmware is synchronized by the device's serial number.

	SETTING	
BUZZER:		ON
DEVICE S/N:		ITM00730
LANGUAGE:		English

Buzzer:
User can adjust the device to beep after receiving tire sensor information. Press the "Enter" key to buzzer and use the arrows to adjust between on and off.

	SETTING	
BUZZER:		ON
DEVICE S/N:		ITM00730
LANGUAGE:		English

Language:
Use the "Enter" key to choose language.

*English, French, Spanish.

	SETTING	
BUZZER:		ON
DEVICE S/N:		ITM00730
LANGUAGE:		English

Setting

Esc — Press Esc again to go back to make selection menu

Software Installation

1. Insert the CD, supplied with instrument, into the PC
   drive and click on the Dorman icon to start the installation

2. The following screen will appear. Click " Install "
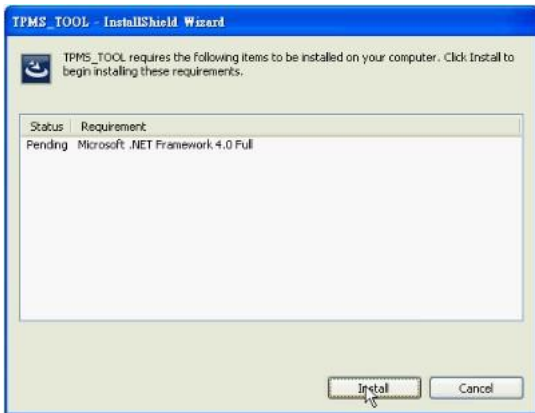
** Note   This screen will only appear if you don't have Microsoft .Net Framwork 4.0 installed.
This process will take a while to complete.

3. The following window will appear, Please click "Next"

** Note   Please read the license agreement carefully, and select " I accept the terms in the license agreement " and click " Next " to complete the software installation.
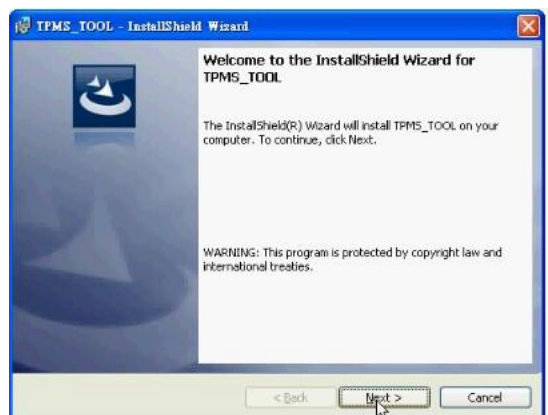
1. Connect the USB cable from MULTi-FIT Tool to the PC,

Click on the Dorman TPMS update icon to start the program.

2. The following screen appears. When "USB Connect" is displayed, Click "Open File" to select the newest update file either downloaded from the web or on a CD.

3. Click program after the file is selected to start the update process.

** Note   Every device has its own unique license number, the software must match the license number to update.
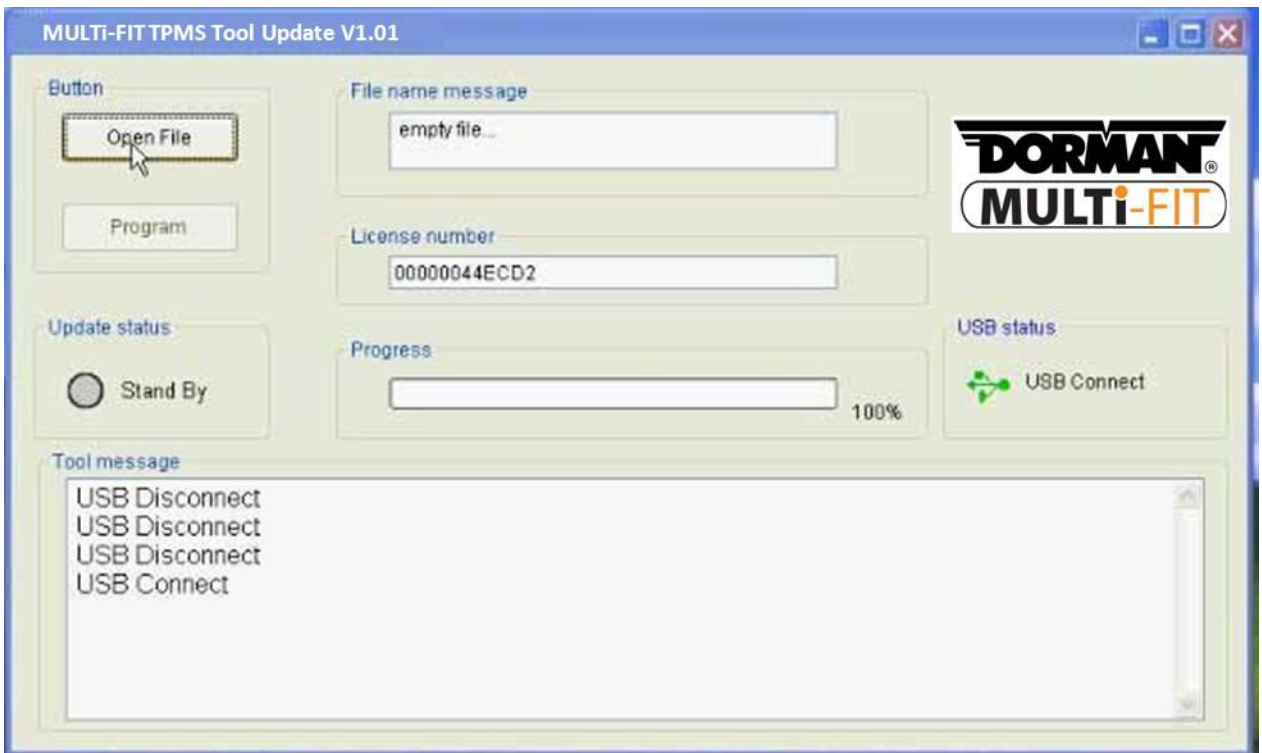
Device Software Update

4. The update process should look like the following window, the update status light will flash yellow light during the update.

5. When the update is completed the update status light will be solid green.


```
MULTi-FIT TPMS Tool Update V1.01                                    _ □ ✕

Button                    File name message
    Open File                 D:\TPMS\SP37 kit\TM database\Car      DORMAN®
                              Database\00000044ECD2_V1.0.hex        MULTi-FIT
    Program               License number
                              00000044ECD2

Update status             Progress                                 USB status
    ● Update OK           ||||||||||||||||||||||||||||||||||           USB Connect
                                                         100%

Tool message
    Update car make...                                              ▲
    Update car model...
    Update car year...
    Update sensor code...
    Update logo...
    Update version...
    Update flash complete
                                                                    ▼
```

Discover other TPMS sensors on our website.