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Solution Overview

If the TDI 600 is installed as part a Field Master Logs solution it will be combined with a TVG Telematics device to deliver the Trimble FieldMaster Logs Driver Logs (HOS) and Driver Vehicle Inspection Reports (DVIR).
Inventory of Parts

The installation of the TDI 600 for Trimble FieldMaster Logs will include the following parts:

1. **TDI 600 Tablet Mounting Kit** (P/N: 391-2102-000) includes a Ram Mount universal bracket and the FieldMaster Tablet Installation kit (P/N: 908-0027-000 if ordered separately)

2. The contents of the white box that the tablet is shipped in which includes:
   a. **TDI 600 Tablet** preloaded with Trimble FieldMaster Logs and the FM Installer App
   b. **Tablet Cradle** (P/N: 391-2103-000)
   c. Four machine screws (silver)
   d. **Tablet Charging and Communication cable** (P/N: 907-1077-000)
   e. Two machine screws (black)
   f. All included hardcopy guides (* to be left in the vehicle for the driver)
Ram Mount Bracket Pre-Installation

Obtaining an approved mounting location for the TDI 600 tablet and bracket is essential to ensure that the solution is installed in an acceptable location, that is fully endorsed and approved by the customer.

It is a best practice that when contacting the customer to schedule the installation of their Trimble equipment, to make sure that it is discussed in detail as to where the Ram Mount bracket will be installed in each of the customer’s vehicle types (if ordered). Additionally, work with the customer to see if they can appoint someone within their organization who can be present upon the technician’s first arrival, who is fully briefed and can review with the technician team the exact installation location of the Ram Mount bracket in each of their vehicle types.

Please make sure that driver’s safety, view of the road and safe operation of the vehicle is considered as an approved mounting location is discussed and finalized with the customer.
Ram Mount Tablet Dash Bracket

The TDI 600 tablet will be secured to the dash of the vehicle with the **Tablet Mounting KIT**
(P/N: 908-0027-000)

The components that are included in the tablet mounting kit are:

1. **Ram Mount Universal Bracket**

2. **Installation kit, P/N 908-0027-000, includes:**
   - Ram Mount backing plate with four black 1” machine screws and four nylock nuts
   - Four ¾” Sheet Metal screws
   - Four 1” Self drilling screws
   - 4 washers
   - 4 Lock washers

The **Ram Mount universal bracket** will be secured to the dash of the vehicle using included the **Ram Mount backing plate**.
The Installation kit, P/N 908-0027-000, includes an assortment of additional fasteners shown here:

1. **For metal dashboards or similar installs:** use the four Ram Mount 1” machine screws and nylock nuts that are supplied with backing plate.
2. **For thick plastic dashboards installs:** use the supplied ¾” sheet metal screws.
3. **For transmission hump or similar installs:** use the supplied 1” self drilling screws.
4. **Lock Washer** and **Flat Washers** are supplied and used are required.

*PLEASE NOTE:* The below fasteners must be used ONLY if the Ram Mount backing plate cannot be utilized.
Securing Tablet to RAM Mount

To secure the Tablet to the Ram Mount Bracket

1. **Remove** one of the ball sockets from the Ram Mount Universal Bracket.

   In the white box, with the tablet, locate (a.) two small black machine screws, (b.) four silver machine screws and (c.) tablet Cradle. Tablet Cradle (PN: 391-2103-000)

2. Clip the tablet cradle securely to the rear of the tablet, ensure that it is a fully latched. Use the #1 Philips head screwdriver and the two small black machine screws to secure the cradle to the back of the tablet as shown. *Please be sure to not overtighten as this may damage the tablet.
3. **Secure** the **ball mount** to the rear of the **cradle** with the **four silver machine screws** with a #2 Philips head screwdriver.

4. Install the **Ram Mount Universal Bracket** into the vehicle in the location approved by the customer. Insert the ball socket into the mounting arm. Use the large wingnut to ensure that the tablet is secure in the bracket.
5. Route the **communication/charging cable, shown below**, from the installed TVG 670 to the base of the cradle and carefully plug it into the cradle and hand tighten the thumbscrews.

6. **Connect the Communication cable** to **AUX 2** of the **TVG 670** and ensure that it is properly seated and that the tab is **locked**.

**TDI 600 Communication cable** (PN: 907-1077-000)
TDI 600 Communication and Charging

The final assembly of all installed components will look as shown in the below Mack Granite example once it is secured to the dash of the vehicle.

- TDI 600 Tablet
- Tablet Cradle PN: 391-2103-000
- Charging/COM Cable PN: 907-1077-000
- RAM Mount Bracket & Installation Kit P/N: 391-2102-000
Ram Mount Bracket - Mack Granite

In a Mack Granite the Ram Mount bracket can be installed to the right of the center console as shown, using the included 3/4” sheet metal screws.
Ram Mount Bracket - Freightliner M112

In a Freightliner M112 the Ram Mount bracket can be installed to the right of the center console as shown, using the supplied 1” self drilling screws.
Ram Mount Bracket – Kenworth T880

In a Kenworth T880 the Ram Mount bracket can be installed to the right of the center console as shown, using the supplied 1” self drilling screws.
Ram Mount Bracket – Isuzu NPR

In an Isuzu NPR the Ram Mount bracket can be installed to the right of the center console as shown, using the included ¾” sheet metal screws.
TDI 600 Tablet Installation Key Points

1. Ensure that the Ram Mount bracket is installed in an acceptable location, that is **fully endorsed and approved by the customer**.

2. The TDI 600 Tablet, Ram Mount bracket and charging/communication cable is installed in a location that will not interfere with the safe operation of the vehicle using the supplied fasteners or fasteners that are approved by the customer.

3. The TDI 600 Tablet charging/communication cable is connected to the **AUX2** port of the TVG 670.
FM Installer App

The **FM Installer app** is what will be used to document the installation of the Telematics hardware.

The app can be launched and run directly through a Android based tablet or run off a hard mounted TDI 600 tablet when installing FieldMaster logs.

When the app is launched from a TDI 600 tablet it is recommended to connect the tablet to a Wi-Fi hot spot.

*** It is recommended that any nonessential Bluetooth devices are not used during the outlined testing steps as they may cause potential interference.
Launching the FM Installer App from a TDI 600

When **performing a new installation** of FieldMaster logs you will see the light gray screen shown to the right when you power up the tablet for the first time.

If you **performing a service** on a previously installed FieldMaster logs solution and see the dark gray Driver login screen, press the HOME button to return to the above screen.

If pressing HOME doesn’t take you to the above screen, proceed to **Servicing a Previously Installed FML Solution** steps which are detailed in the Troubleshooting Steps of this guide on page 33.
Time Zone Setup for TDI 600

If you are installing FieldMaster logs with a TDI600 hard mounted tablet you must first set the Time Zone one time on the installed tablet, to do so, press and drag the top right corner of the screen of the tablet to expose the tablet setting options.
Time Zone Setup for TDI 600

1. From the menu, Tap the clock icon to go to the Date & time setting menu.

2. Tap Select time zone to edit the time zone shown if incorrect.

3. Then Tap the back arrow to return to the main screen.
It is recommended to connect the TDI600 tablet to Wi-Fi hot spot when installing FieldMaster Logs to do this, TAP six dots to go to the apps menu.
Wi-Fi Setup for Testing for TDI 600

1. Tap Settings

2. Ensure the tablet’s Wi-Fi is ON, then TAP on the word Wi-Fi.
Wi-Fi Setup for Testing for TDI 600

3. TAP on your phone’s Wi-Fi broadcast to connect to it.

4. If your phone’s Wi-Fi broadcast is secured, enter the Wi-Fi password from the keyboard and TAP Connect.
Verify that the tablet is now 1. **Connected** to your smartphone's Wi-Fi and

2. **TAP** the back arrow.
Launch the FM Installer App from the TDI 600

From either an Android based tablet or from the TDI600 hard mounted tablet, TAP the FM Installer app icon to launch the hardware test.
The **FieldMaster Logs Installer app** is what will be used to document the installation of the TVG hardware. The app can be launched and run directly through an Android based tablet or run off a hard mounted TDI tablet when installing FieldMaster logs.

Please refer to the FM Installer App guide for detailed instructions.
Verify Tablet Connection to TVG

It is required to verify there is a C icon in the top left corner of the tablet as shown when running the FM Installer app. This is an indicator that the tablet is docked properly in the cradle and the Charging/COM cable is connected to AUX 2 of the installed device.

If there is an X displayed verify that the tablet is docked and secured in the cradle and that the cable is connected to the correct port on the device.
Once you have completed FM Installer App testing steps, it is important to tap the three dots and select Logout from the installed TDI 600 tablet.

And then tap Home button.
Once logged out, it is important to **turn off** Bluetooth and Wi-Fi in the installed TDI 600 tablet, **to do so touch** and drag the top right corner of the tablet down.
1. Select Settings

2. Turn BOTH Wi-Fi and Bluetooth from ON to OFF

3. Then hit the HOME button
Launch FieldMaster Logs - TDI 600 Tablet

1. TAP six dots to go to the main menu

2. Then Select Trimble Launcher.
Launch FieldMaster Logs - TDI 600 Tablet

Once Trimble Launcher is selected, select 1. Trimble Launcher from the popup

And then 2. Always.
Once completed, ensure that the above FieldMaster Logs driver login screen is shown after the Trimble Launcher is initiated, if not please contact Trimble Support.
Servicing a Previously Installed FML Solution

1. **Press and drag** the top right corner of the screen of the tablet to expose the Settings Menu.

2. From the menu, **Tap the Settings**
3. From the menu, scroll down and select Apps.

4. From the top corner of the Apps menu, tap the Three Dots.
Servicing a Previously Installed FML Solution

5. From the dropdown select **Reset app preferences**.

6. From the popup select **Reset Apps**.
Servicing a Previously Installed FML Solution

7. Tap the Home button

8. From the popup:
   a) select Launcher
   b) then tap Just Once.
   c) Then TAP HOME
Servicing a Previously Installed FML Solution

From the next page tap the six dots to get to the Apps Menu to launch the FM Installer App, see page 22 to launch the FM Installer App.

Before running the FM Installer app you will need to turn Wi-Fi and Bluetooth on in the tablet, see page 28.
Servicing a Previously Installed FML Solution

Once the FM Installer app is completed

1. Tap the three dots:
   a) Select logout
   b) Drag right corner down and turn OFF both Bluetooth and Wi-Fi (see pages 52-53)
   c) Tap the Home button.

2. From the popup:
   a) select Trimble Launcher
   b) then tap Always
Global Customer Support:

For Technical Support please utilize any one of the options based on your location:
- North America: 1-877-428-7623 (option 1)
- Europe: +44 (0) 1332 267 600
- Australia: 1 300 255 477