



Nomad Lock-Up Kit Installation Instructions

Suitable for:



Isuzu D-Max RT
Isuzu MU-X RF
With A750 5 Speed Auto

WITH THE FOLLOWING ENGINES:
4JJ1 3.0L Turbo Diesel (06/2012 to Present)

Please read through all of the instructions carefully before proceeding. If any of the information does not appear correct or the diagrams don't match your vehicle, please contact Wholesale Automatic Transmissions or your place of purchase.

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1. Parts List

Nomad Lock-Up
ModuleNomad Lock-Up
Main Harness

Isuzu OEM-Style Switch



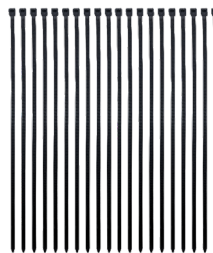
OEM Switch Loom



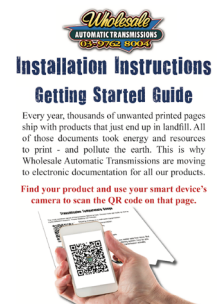
Resistor Loom - 6D

Isuzu CAN Bus Interface
LoomModule Bypass
Connector2 x Long Metal Self
Tapping Screws2 x Short Metal Self
Tapping Screws4 x 30mm Pieces of
Black Heatshrink

20 x Cable Ties



Getting Started Manual



Estimated Install Time: 2 Hours

2. Information to note prior to starting

2.1. Electrical Safety

- 2.1.1 Disconnect all vehicle power sources including batteries, chargers and solar systems before starting the installation process.
- 2.1.2 The Load Resistor **MUST** be mounted to a metal surface clear of carpet, plastic or any material that could be damaged by heat. This resistor can reach temperatures over 50°C while in operation.



- 2.1.3 You can mount the Nomad module anywhere inside or outside the vehicle. The Nomad Module is IP68 rated so it can be mounted in the engine bay, however it must be away from heat sources such as turbos, exhausts and the engine block.

Also, take into consideration that the further away from the driver the module is mounted the lower the Bluetooth signal strength will be.

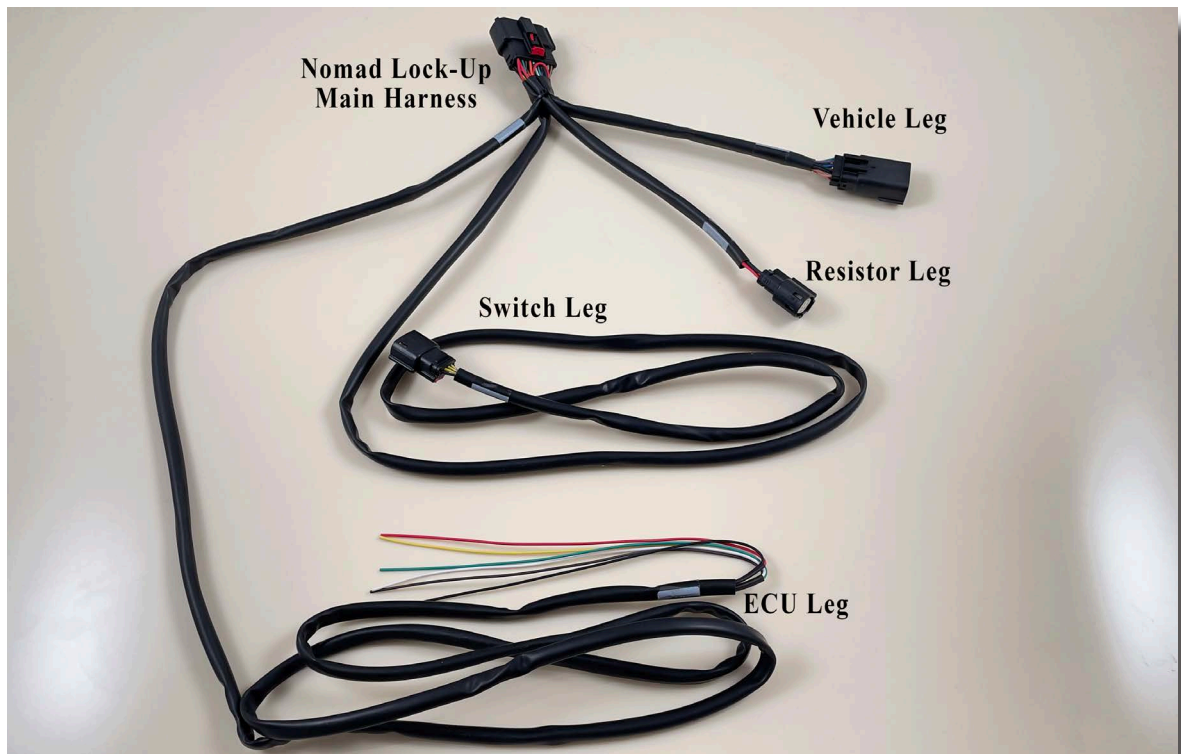
We recommend mounting the Nomad module inside the cabin.



- 2.1.4 The installation of this kit requires the fitter to have good knowledge of 12 volt wiring, an understanding of wiring schematics and good experience with soldering wires together. If you don't feel comfortable doing any of these tasks, then please contact one of our local Authorised Fitting Agents or your local Auto Electrician to have the unit installed professionally.

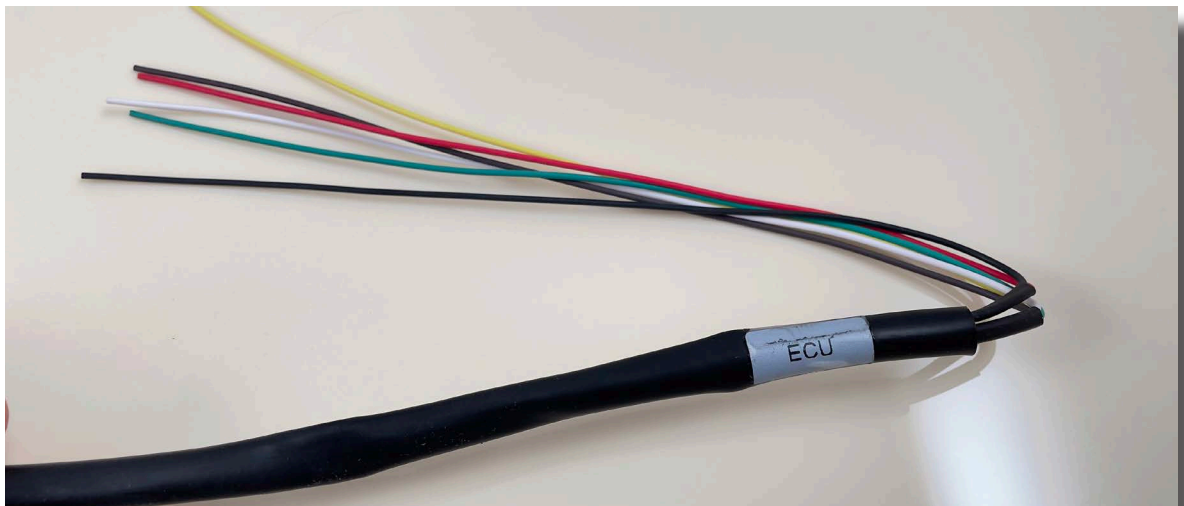
2.2. Identifying the Nomad Lock-Up Kit Parts

- 2.2.1 There are four (4) legs on the Nomad Lock-Up Harness (TCLU-HARNESS) that you need to be aware of. These legs define the purpose of the wires contained within.



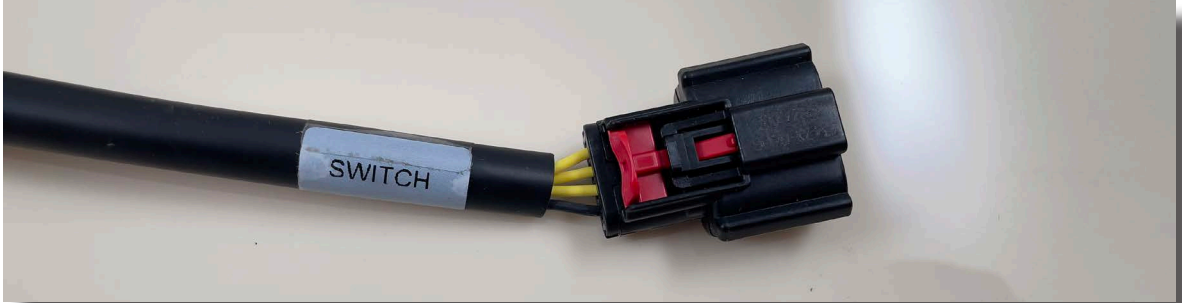
2.2.2 ECU Leg

This leg contains the wires that will be wired into the OEM Transmission Control Module (TCM). These wires connect to the Lock-Up Solenoid inside the transmission as well as picking up 12v+ Switched Power and Ground. If you feel there is too much wire on the ECU leg it can be trimmed back to a more suitable length. Just be conservative with your trimming as we don't recommend extending these wires.



2.2.3 Switch Leg

This leg runs to where you plan to install the manual lock-up switch. This may use either a OEM style push switch or a Carling style rocker switch, depending on your vehicle's dash configuration.



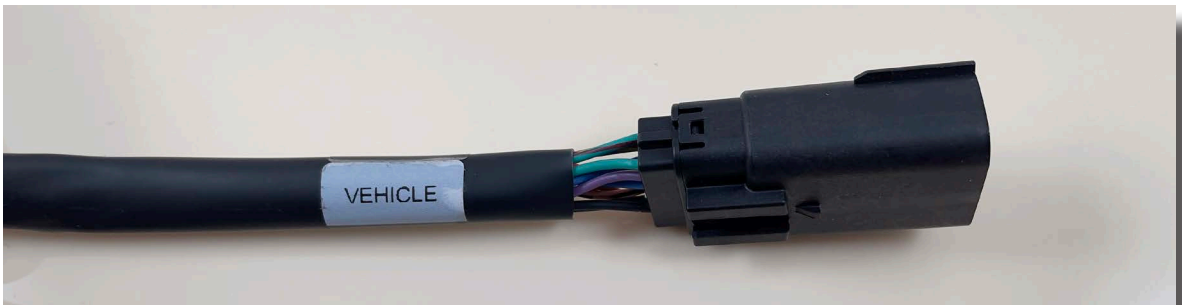
2.2.4 Resistor Leg

The resistor leg is one of the smaller legs of the Nomad harness. It provides a universal connection to the load resistor. This load resistor will vary depending on the transmission the Nomad Lock-Up Kit is controlling.



2.2.5 Vehicle Leg

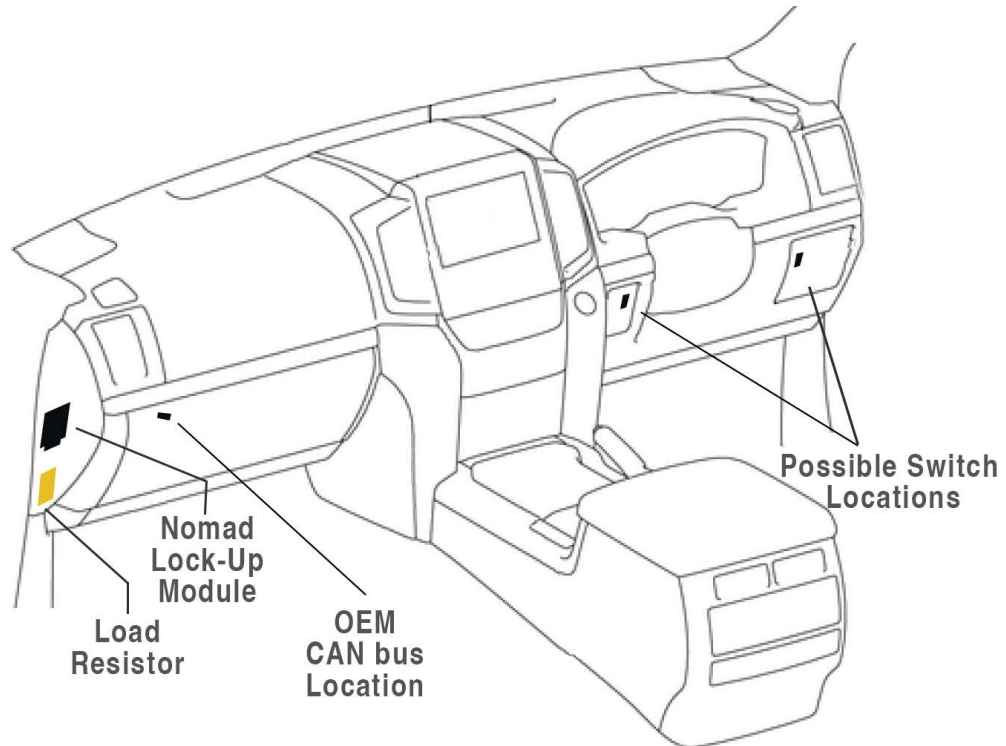
Lastly, the vehicle leg. This leg is for the wires that will connect to various signals in your vehicle, depending on what vehicle you are installing the Nomad Lock-Up kit into. This may include Throttle Position Sensors (TPS), Vehicle Speed Sensors (VSS), or the vehicle's internal CAN bus.



3. Installing the Nomad Lock-Up Kit

3.1. Recommended Mounting Location

- 3.1.1 While you are free to mount the various parts of the Nomad Lock-Up kit anywhere in your vehicle that you feel is the most appropriate, the installation instructions will assume you are mounting the parts in our recommended locations.



3.2. Installing the Harness in the Cabin - Passenger Side

****Disconnect all vehicle power sources including batteries, chargers and solar systems before starting the installation process.****

The resistor is used to dissipate energy from the OEM TCM. As such, the resistor will get hot when the Nomad Lock-Up system is operating. This is expected behavior.

The resistor **MUST** be mounted to a flat, metal surface to aid in heat dissipation. It may cause damage to plastic or carpet these materials come in contact with the resistor.

In the Isuzu D-MAX RT and MU-X RF we have found a good location for the load resistor is on the passenger footwell inner wall, up high near the glove box. This allows ample space around the resistor to prevent its heat from damaging anything.

There is also space in this area to mount the Nomad module. Ultimately, however, this decision will be up to the installer as we are not able to account for accessories or slight variations in your model.

- 3.2.1 Start by removing the lower glove box - the upper glove box does not need to be removed. This is held in with two tabs on the side of the glove box, which can be released by squeezing in on both sides of the glove box gently and pulling forwards until the glove box releases. Finally, lift the lower glove box off the hinges at the bottom.
- 3.2.2 Remove the 4x screws that hold in the glove box surround - 3 at the top and one towards the bottom. Open the upper glove box and then pull the glove box surround out until you can see the glove box illumination light.

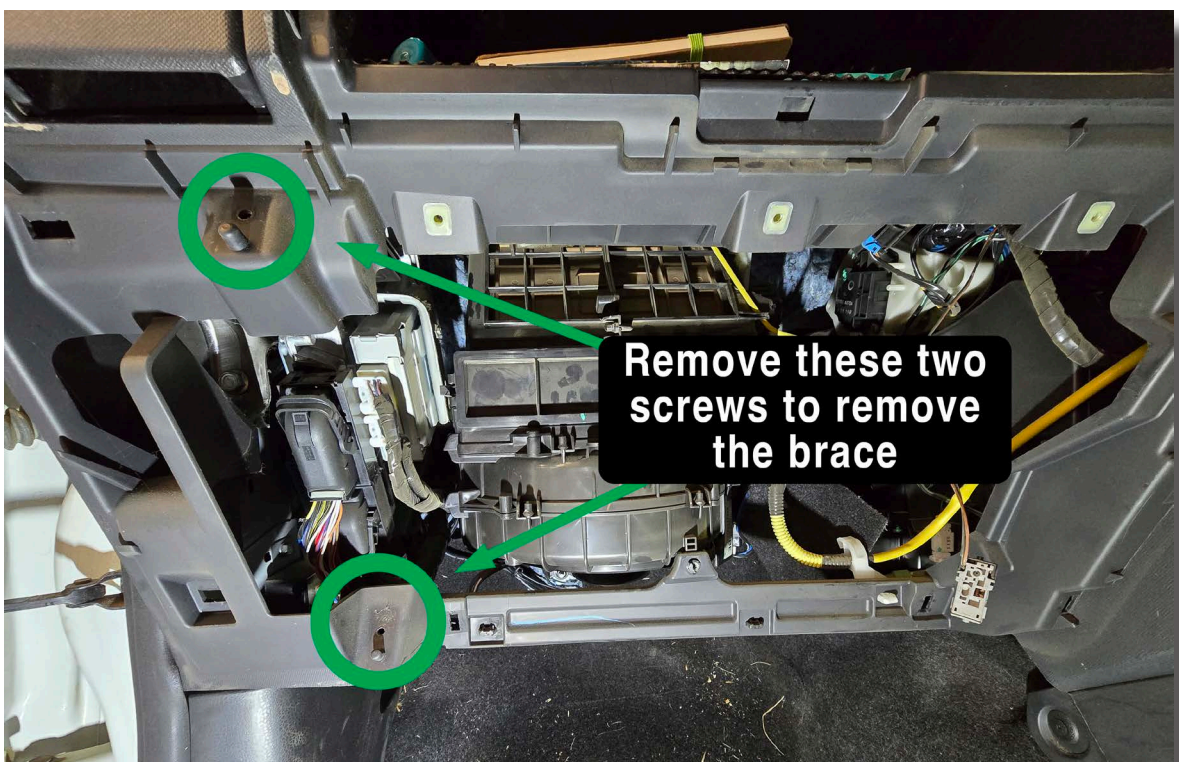
Once you can see the glove box illumination light unclip it from the glove box surround before removing the glove box surround from the vehicle.



- 3.2.3 Remove the lower left kick panel on the passenger side. This requires removing a plastic nut at the back of the foot well as well as prying up the plastic sill protector on the floor next to the seat. Once these two pieces are out of the way the panel can be carefully removed by pulling the edge the was attached to the sill trim towards the centre of the car to pop the clip out. Once the clip has been released you can slide the trim piece back to remove it.

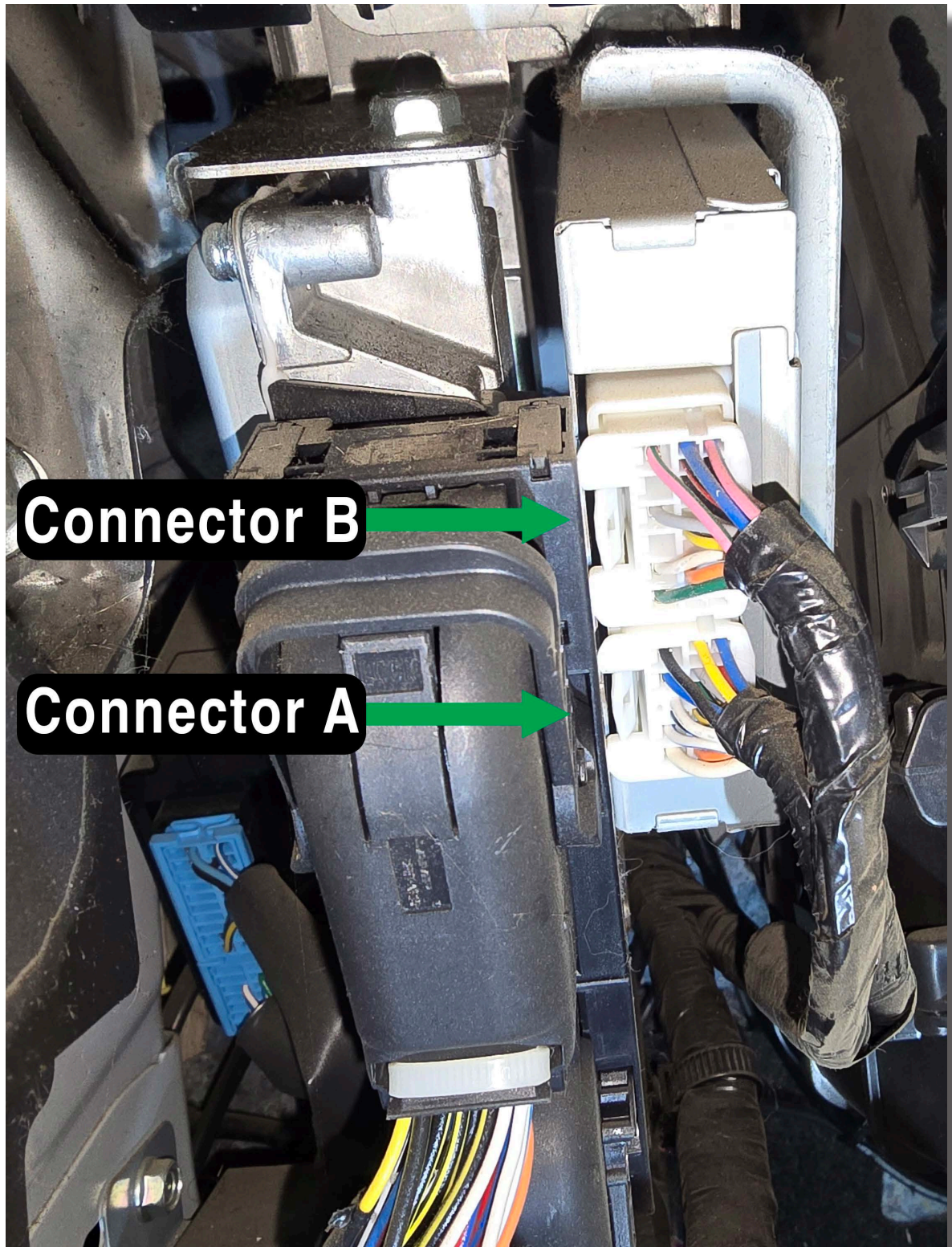


- 3.2.4 Remove the two screws securing the dash brace. Remove the dash brace from the vehicle.

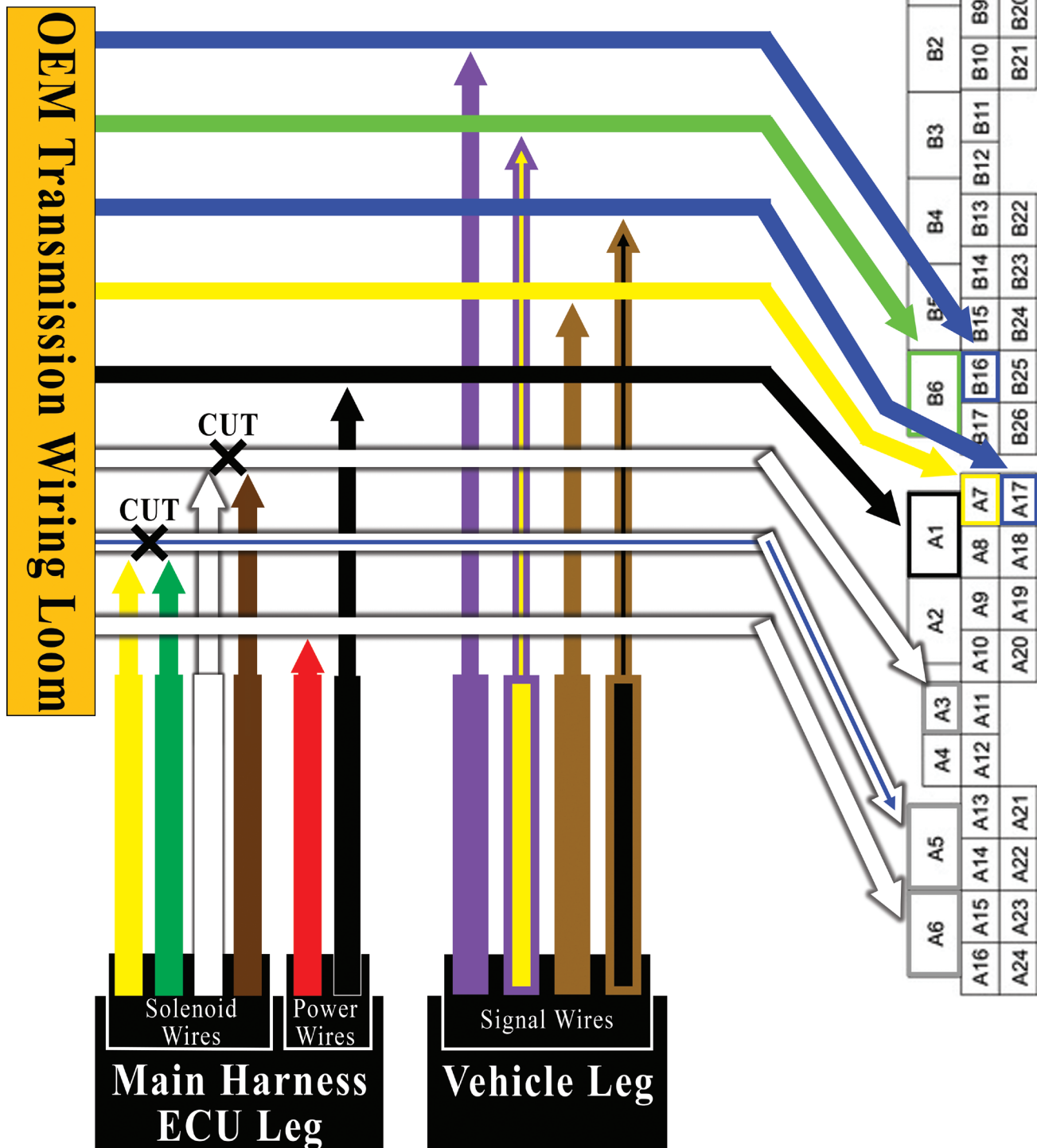


3.3. TCM Wiring

- 3.3.1 The Transmission Control Module (TCM) is mounted vertically near the blower motor and has 2 connectors plugged into it. Make sure there are no power sources connected to the vehicle (including auxiliary batteries and solar panels) before removing either of these connectors.



3.4. TCM Wiring Diagram for vehicles up to August 2020
Isuzu D-MAX RT/MU-X RF A750
4JJ1 3.0L Turbo Diesel Wiring Diagram
If the wiring in your vehicle does NOT match the information below, please STOP and contact Wholesale Automatics tech support.



- 3.4.1 Disconnect all power sources from the vehicle before unplugging any of the TCM connectors.

We recommend working on these one at a time - we will start with connector A. Be careful when selecting each wire and ensure you confirm the pin location before cutting or splicing; these vehicles have multiple wires that are the same colour.

Damage to the vehicle system and/or Nomad module is possible if you don't confirm the pin location.

- 3.4.2 Please DO NOT use wire splicers, quick connects or scotch locks to join these wires. They MUST have high-quality solder joints for reliable operation.



- 3.4.3 Remove the connector labeled A from the TCM.

3.4.4 **Soldering to Ground Wire in A1**

- 3.4.4.1 Locate the OEM wire in pin A1.
- 3.4.4.2 Remove approximately 1cm of the wire sheath to expose the copper conductors about 5cm away from the connector. DO NOT cut this wire.
- 3.4.4.3 Locate the Black wire in the Power Wires group and solder this wire to the OEM wire in pin A1.
- 3.4.4.4 Use electrical tape to insulate the join and prevent shorting.

3.4.5 Soldering to Solenoid Wire in A3

- 3.4.5.1 Select the OEM wire in pin A3 and cut it approximately 5cm from the connector.
- 3.4.5.2 Strip about 1cm of insulation from each part of the cut wire to expose the copper.
- 3.4.5.3 Locate the Brown wire in the Solenoid Wires group, then slide one (1) piece of 2mm black heat shrink onto the wire.
- 3.4.5.4 Solder the Brown wire to the TCM side of the OEM cut wire in pin A3. Slide the heat shrink over the join and use a heat source to shrink it.
- 3.4.5.5 Locate the White wire in the Solenoid Wires group and slide one (1) piece of 2mm black heat shrink onto the wire.
- 3.4.5.6 Solder the White wire to the transmission side of the OEM cut wire in pin A3. Slide the heat shrink over the join and use a heat source to shrink it.

3.4.6 Soldering to Solenoid Wire in A5

- 3.4.6.1 Select the OEM wire in pin X8 and cut it approximately 5cm from the connector. Do not cut the second OEM wire in pin A5 yet.
- 3.4.6.2 Strip about 1cm of insulation from each part of the cut wire to expose the copper.
- 3.4.6.3 Locate the Green wire in the Solenoid Wires group and slide one (1) piece of 2mm black heat shrink onto the wire.
- 3.4.6.4 Solder the Green wire to the TCM side of the OEM cut wire in pin A5. Slide the heat shrink over the join and use a heat source to shrink it.
- 3.4.6.5 Locate the Yellow wire in the Solenoid Wires group slide one (1) piece of 2mm black heat shrink onto the wire.
- 3.4.6.6 Solder the Yellow wire to the transmission side of the OEM cut wire in pin A5. Slide the heat shrink over the join and use a heat source to shrink it.

3.4.7 Soldering to Power Wire in A6

- 3.4.7.1 Select the OEM wire in pin A6.
- 3.4.7.2 Remove approximately 1cm of the wire sheath to expose the copper conductors about 5cm away from the connector. DO NOT cut this wire.
- 3.4.7.3 Locate the Red wire in the Power Wires group and solder this wire to the OEM wire in pin A6.
- 3.4.7.4 Use electrical tape to cover the join to prevent shorting.

3.4.8 Soldering to CAN bus wire in A7

- 3.4.8.1 Select the OEM wire in pin A7.
- 3.4.8.2 Remove approximately 1cm of the wire sheath to expose the copper conductors about 5cm away from the connector. DO NOT cut this wire.
- 3.4.8.3 Locate the Tan wire in the Isuzu CAN bus interface harness and solder this wire to the OEM wire in pin A7.
- 3.4.8.4 Use electrical tape to cover the join to prevent shorting.

3.4.9 Soldering to CAN bus wire in A17

- 3.4.9.1 Select the OEM wire in pin A17.
- 3.4.9.2 Remove approximately 1cm of the wire sheath to expose the copper conductors about 5cm away from the connector. DO NOT cut this wire.
- 3.4.9.3 Locate the Tan-Black wire in the Isuzu CAN bus interface harness and solder this wire to the OEM wire in pin A17.
- 3.4.9.4 Use electrical tape to cover the join to prevent shorting.

- 3.4.10 Reinstall the connector labeled A into the TCM. Remove the connector labeled B.

3.4.11 Soldering to Signal wire in B6

- 3.4.11.1 Select the OEM wire in pin B6.
- 3.4.11.2 Remove approximately 1cm of the wire sheath to expose the copper conductors about 5cm away from the connector. DO NOT cut this wire.
- 3.4.11.3 Locate the Violet-Yellow wire in the Isuzu CAN bus interface harness and solder this wire to the OEM wire in pin B6.
- 3.4.11.4 Use electrical tape to cover the join to prevent shorting.

3.4.12 Soldering to Signal wire in B16

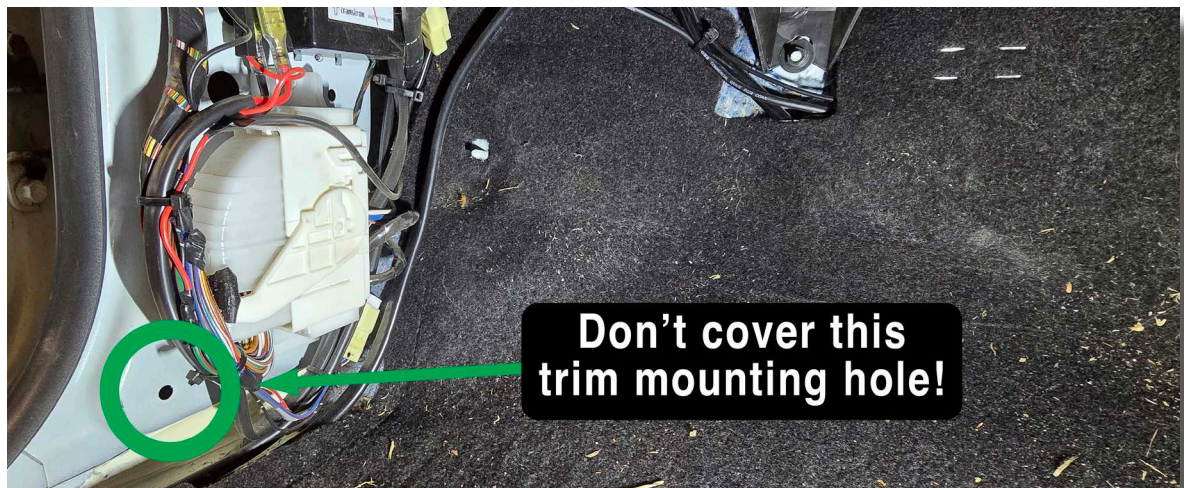
- 3.4.12.1 Select the OEM wire in pin B16.
- 3.4.12.2 Remove approximately 1cm of the wire sheath to expose the copper conductors about 5cm away from the connector. DO NOT cut this wire.
- 3.4.12.3 Locate the Violet wire in the Isuzu CAN bus interface harness and solder this wire to the OEM wire in pin B16.
- 3.4.12.4 Use electrical tape to cover the join to prevent shorting.

- 3.4.13 Reinstall the connector labeled B into the TCM. Use a couple of the included cable ties to secure the newly added wiring to the factory wiring harness.

3.5. Mounting Nomad Module and Resistor

The best place we have found for mounting the Nomad module and the resistor in the D-MAX RT and MU-X RF is to the inner wall of the passenger footwell. This space provides ample clearance around the resistor and allows for easy access to the Nomad module if required, but ultimately the location of the Nomad module and resistor is not critical and it is up to the installers discretion as to where these components are mounted.

3.5.1 Secure the resistor using the two short self tapping screws provided.

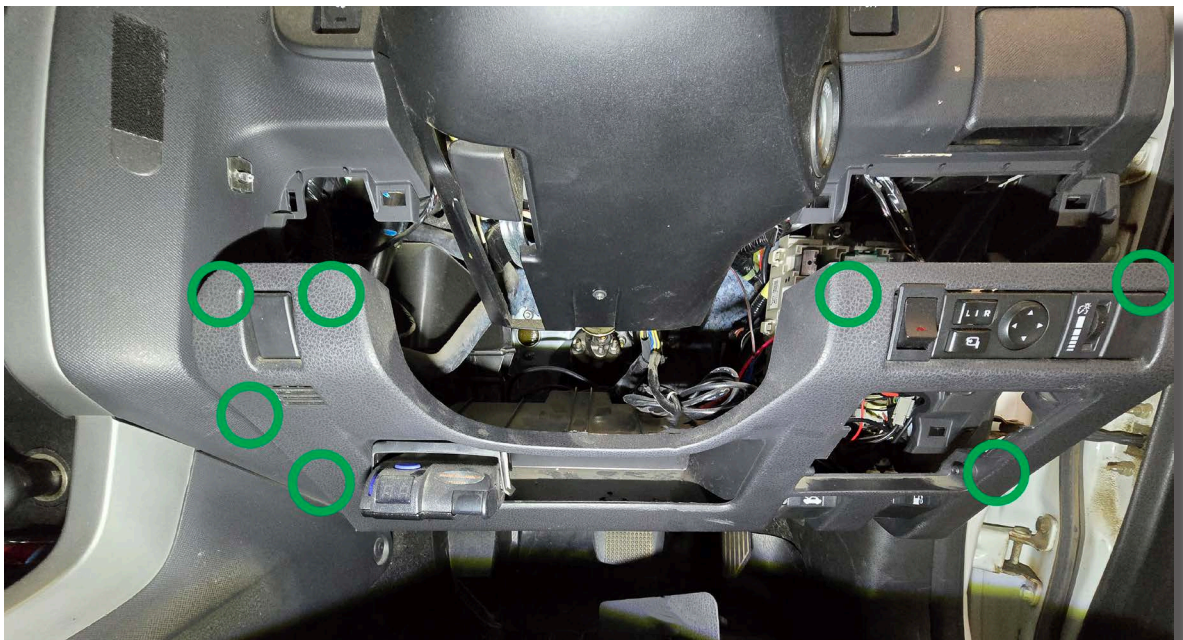


3.5.2 Install the Nomad module to a flat section of the sheet metal footwell wall near the resistor. Ensure there is adequate clearance between it and the load resistor to prevent it from being affected by the hot resistor. Make sure it does not block any of the trim mounting locations. Secure with the two long self tapping screws provided.

- 3.5.3 Plug the resistor into the resistor leg of the Nomad harness and secure the red Connector Position Assurance (CPA).
- 3.5.4 Plug the main connector of the Nomad harness into the Nomad module and secure the red CPA.
- 3.5.5 Plug the Isuzu CAN Bus Interface Loom into the Vehicle leg of the Nomad harness and secure the red CPA.
- 3.5.6 Route the Switch Leg down to the transmission tunnel - there is a gap between the transmission tunneling and the climate control module. Route the Switch Leg through this gap and into the drivers footwell.

3.6. Installing the Harness in the Cabin - Drivers Side

- 3.6.1 Use trim removal tools to gently pry the lower dash panel out, being aware of the clips around the edge of this panel.



- 3.6.2 Route the Switch Leg up to your chosen switch mounting location on either the left or right of the steering wheel.
- 3.6.3 Plug the OEM Switch Loom into the Switch Leg.

- 3.6.4 Remove the switch blank of your choosing by pressing in the two release tabs - one on the top and one on the bottom of the switch blank. You can then push the switch blank out through the front of the lower dash panel.



- 3.6.5 Insert the Isuzu OEM-Style switch through the front of your chosen switch location. Push it in until the locking tabs click into place.
- 3.6.6 Plug the green OEM-Style switch connector into the back of the Isuzu OEM-Style switch.
- 3.6.7 Cable tie the Nomad switch wiring out of the way, ensuring it cannot get caught in the pedals or the steering column.
- 3.6.8 Reinstall the lower dash panel.

3.7. Final Tidy Up

- 3.7.1 Secure any loose wires with electrical tape and any remaining supplied cable ties. Make sure the wires are clear of any moving parts, especially near the steering column.
- 3.7.2 Reconnect the battery terminals and any other connectors that were removed.
- 3.7.3 We recommend running through the Nomad Setup Wizard to verify that everything is connected correctly and working properly before re-installing any panels, unless they impede the test driving process, just in case any wiring needs to be corrected.
- 3.7.4 Once the Nomad module has been confirmed to be wired correctly and the setup wizard has completed, reinstall all removed trim pieces and kick panels.

We do not recommend driving the vehicle before the setup wizard is complete.

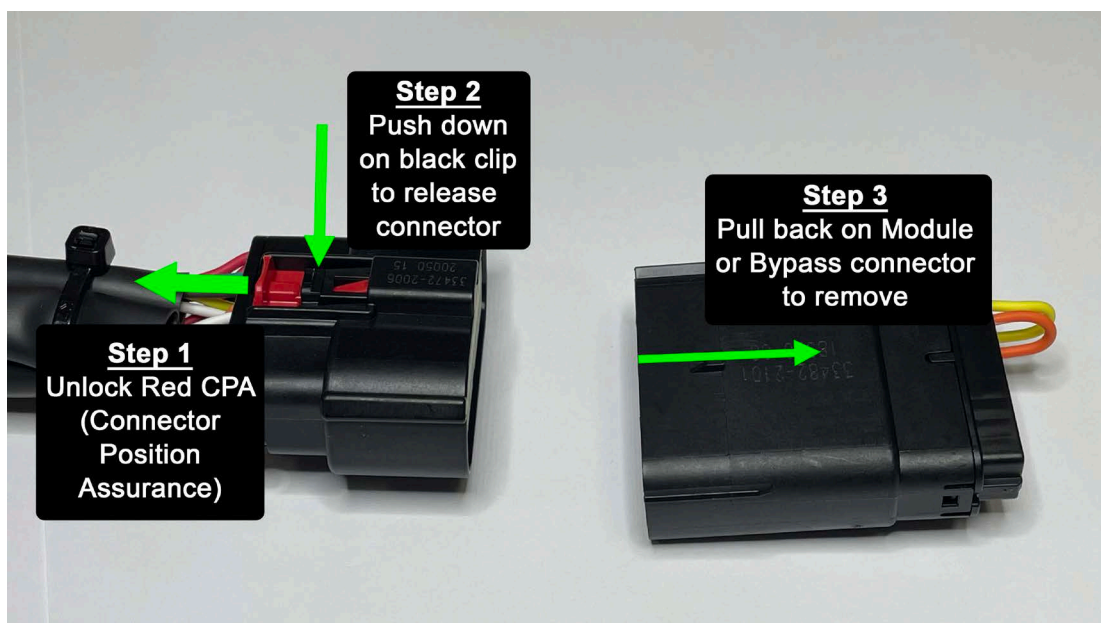
3.7.5 Lock-Up Module Bypass

- 3.7.6 If you need to remove the Nomad Lock-Up Module at any stage we have supplied a bypass connector that can take the place of the module so that your vehicle will not have faults come up while driving. Fitting this bypass will revert control of the torque converter clutch back to the OEM TCM.

If you are fitting this unit on behalf of a customer please leave this connector in the bag along with the QR code to access the User Guide. Please highlight this to your customer during handover.



- 3.7.7 To remove the Nomad Lock-Up Module or Bypass Connector, unlock the red CPA. Press down on the black clip to release. Then pull the two connectors apart.



3.8. Installing the Nomad LockUp app on Apple Devices

This chapter will cover finding, downloading and confirming that the Nomad LockUp app is ready to communicate with your Nomad LockUp Module using an Apple mobile device.

The Nomad Lock-Up App is a free to download app available from the Apple App Store. You will require an Apple ID in order to download applications from the Apple App Store.

Minimum system requirements for your Apple mobile device to run the Nomad LockUp App are:

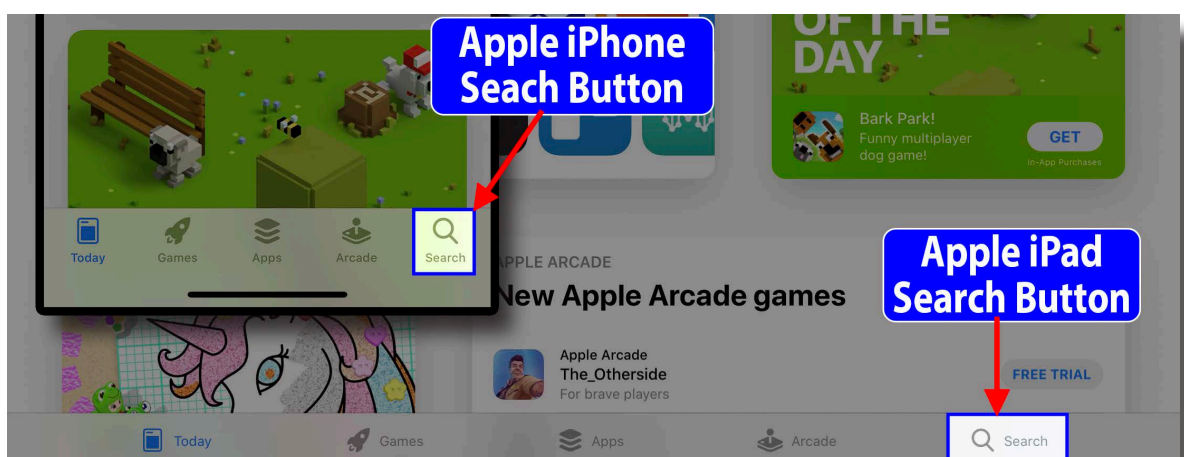
- Apple iPhone mobile digital device with iOS version 11 or later
- Apple iPad mobile digital device with iPadOS version 11 or later
- Internet Access (only required to download the application and for firmware updates)

If your Apple mobile device operating system does not meet these requirements you may not be able to download the app. Please follow the instructions provided by Apple to update your devices operating system first then try downloading the Nomad LockUp app again.

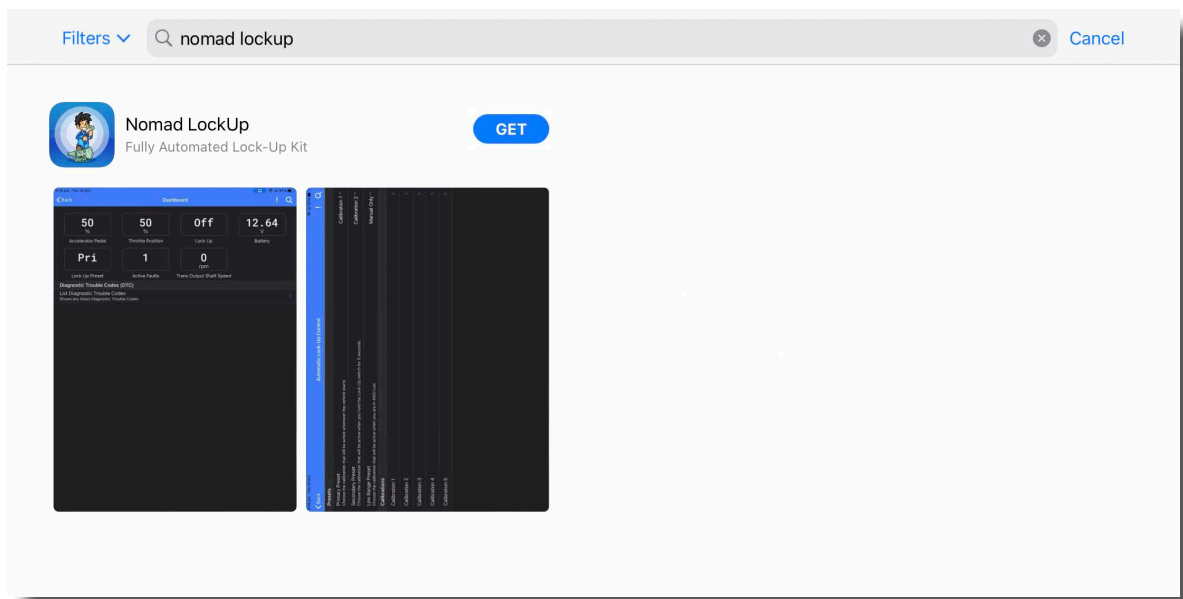
3.8.1 On your Apple device, open the **App Store** application.



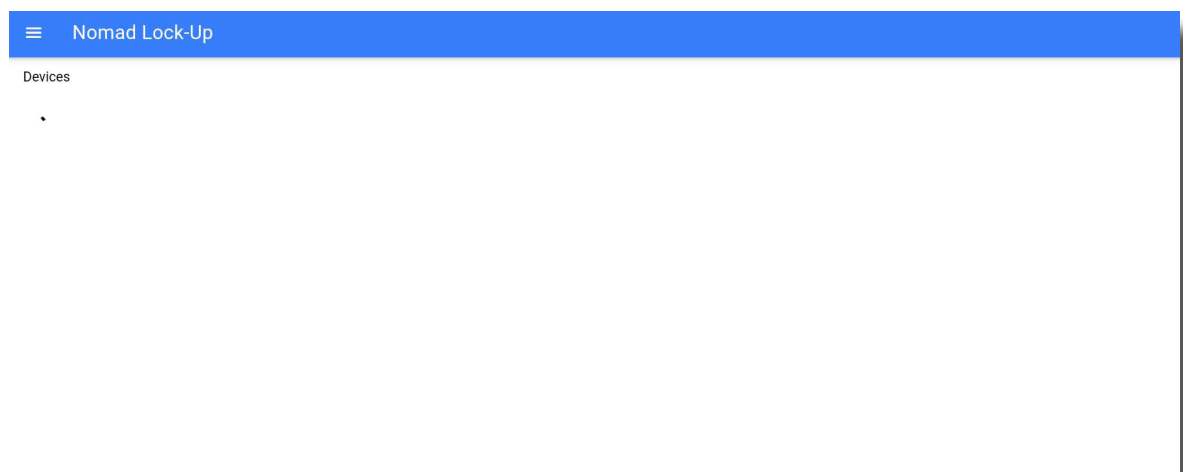
3.8.2 Tap on the **Search** button at the bottom of the App Store screen.



- 3.8.3 In the search field type “nomad lockup” and press enter/search. Locate the app called **Nomad LockUp** in the results and tap on ‘Get’. You may be asked to enter your Apple ID username and password.



- 3.8.4 Once the app has finished downloading, tap on the icon to open. The first time you open the Nomad LockUp app it will ask permission to use the devices Bluetooth® communication system to access the Nomad Lock-Up Module. Please select OK.
- 3.8.5 The app will now search for any Nomad Lock-Up Modules within range that are powered up. If you are not in range of your Nomad Lock-Up Module or it is not powered up, then the app will only show a spinning wheel indicating that there is no module in range.

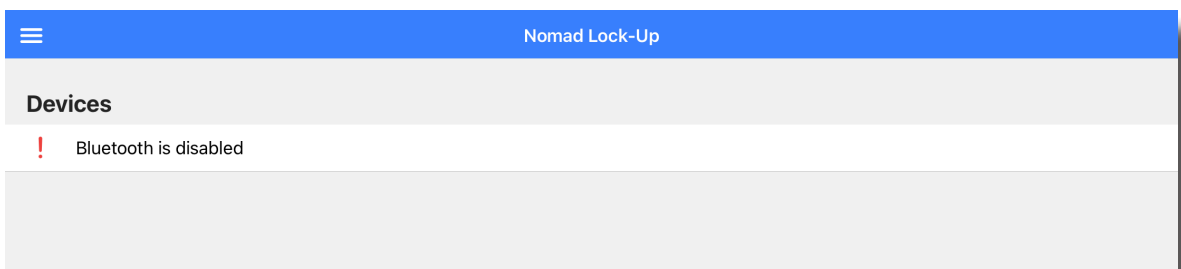


- 3.8.6 If you have reached this step then the app is installed and ready to connect to your Nomad Lock-Up Module. You can now skip to step 4.

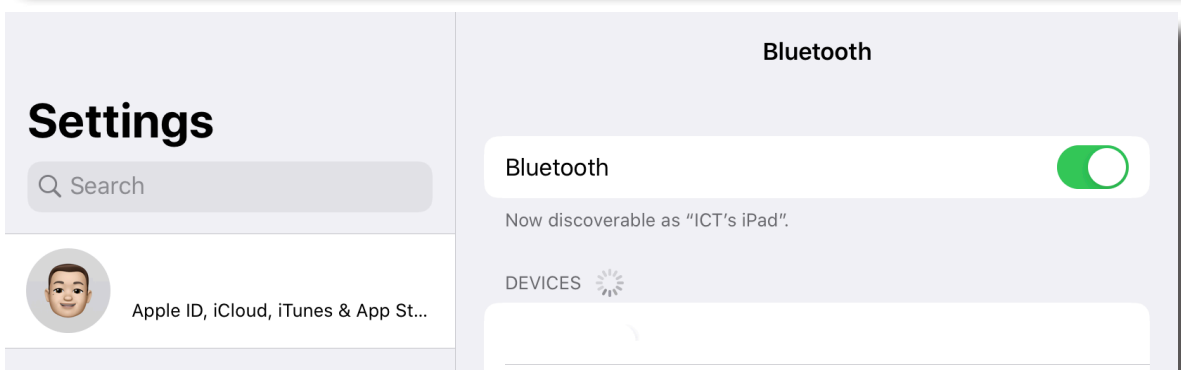
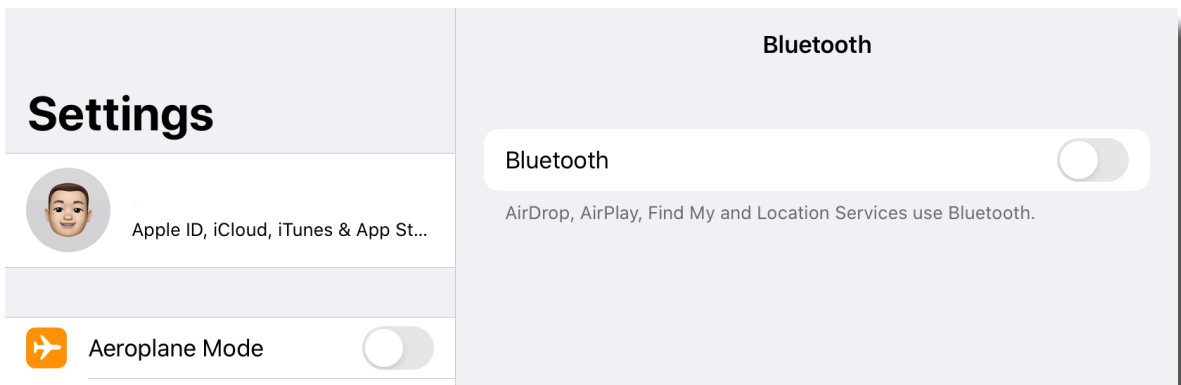
3.9. Troubleshooting Installation on Apple Devices

This chapter will cover some basic troubleshooting steps you can follow if you have not been able to connect your Apple device to the Nomad Lock-Up module.

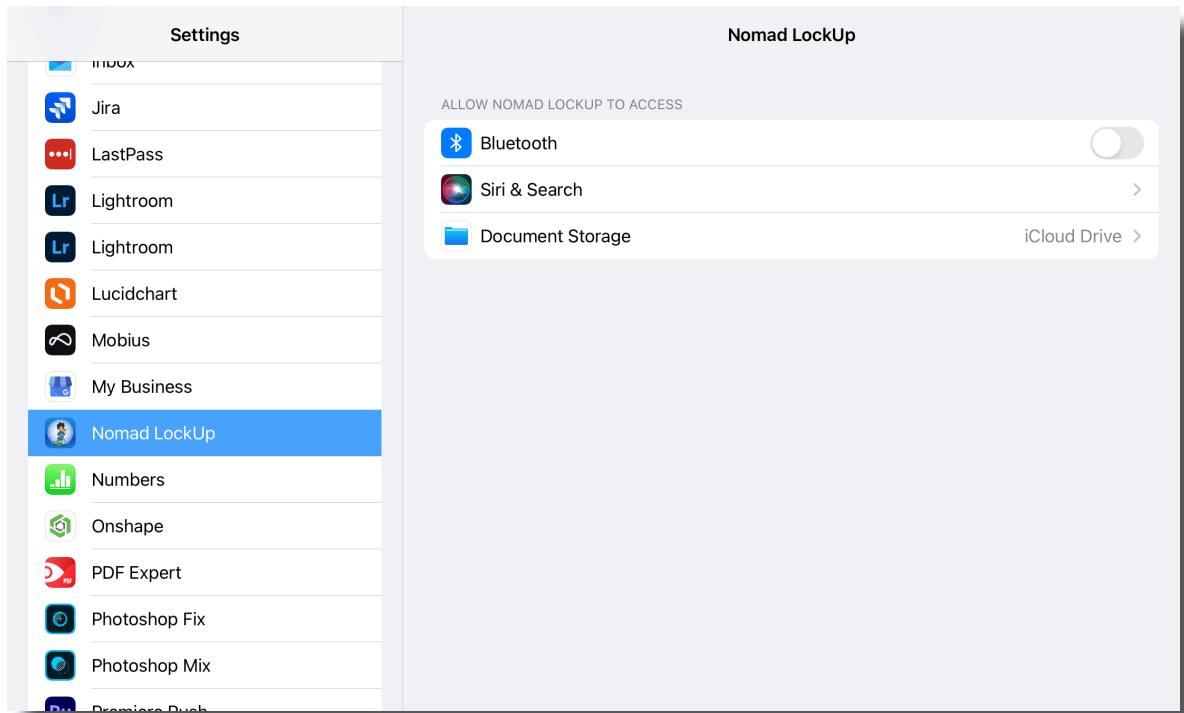
- 3.9.1 If the app says '**! Bluetooth is disabled**' then it means that the Bluetooth communication in your smart device is not set up correctly. Most commonly this is due to the Bluetooth being turned off completely or it could be that the Nomad LockUp app has not been authorised to use Bluetooth yet.
- 3.9.2 First, close the app down and then quit the app by swiping up from the bottom or double pressing the home button and then swipe up on the app. Re-open the app. If the '**! Bluetooth is disabled**' message still remains continue to the next step.



- 3.9.3 Open the Settings app and select Bluetooth. If Bluetooth is switched off, please turn it on. Close the settings app and re-open the Nomad LockUp app. You should no longer see the '**! Bluetooth is disabled**' message, instead it should be replaced with the spinning wheel.



- 3.9.4 If you are still seeing the '**! Bluetooth is disabled**' message, open the Settings app and scroll down the menu to Nomad LockUp. Tap on Nomad LockUp and verify that the Bluetooth access is enabled for the app. If not, switch access on. Return to the Nomad Lock-Up app and check you are no longer seeing the '**! Bluetooth is disabled**' message, instead you should be seeing the spinning wheel.



- 3.9.5 If none of these items have worked, please close the app. Tap and hold on the Nomad Lock-Up app icon and select Delete app. Then power your device off and reboot. Start from the beginning and download the app again. Make sure you allow the app all the permissions it requests.
- 3.9.6 If you are still unable to get rid of the '**! Bluetooth is Disabled**' message please contact Wholesale Automatic Transmissions for further assistance.

3.10. Installing the Nomad LockUp app on Android™ Devices

This chapter will cover finding, downloading and confirming that the Nomad LockUp app is ready to communicate with your Nomad Lock-Up Module using an Android mobile device.

The Nomad LockUp app is a free to download app available from the Google Play Store. You will require a Google Account in order to download applications from the Google Play Store.

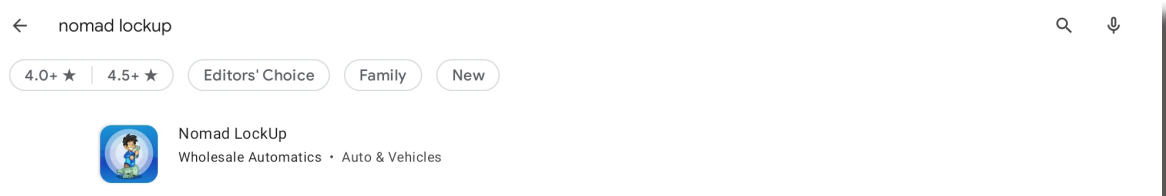
Minimum system requirements for your Android mobile device to run the Nomad LockUp app are:

- Android operating system version 4.4 or later
- Internet access (only required to download the application and for firmware updates)

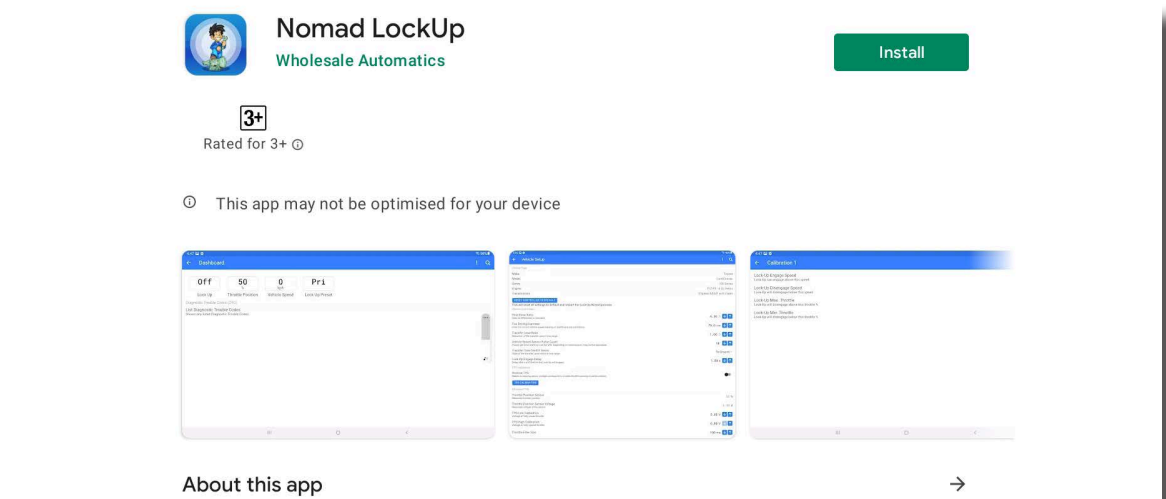
If your Android mobile device operating system does not meet these requirements you may not be able to download the app. Please follow the instructions provided by your device manufacturer to update your devices operating system first then try downloading the Nomad LockUp app again.

If the operating system on your Android mobile device is unable to be updated to a compatible version you will need to locate an alternative smart device that does meet the requirements.

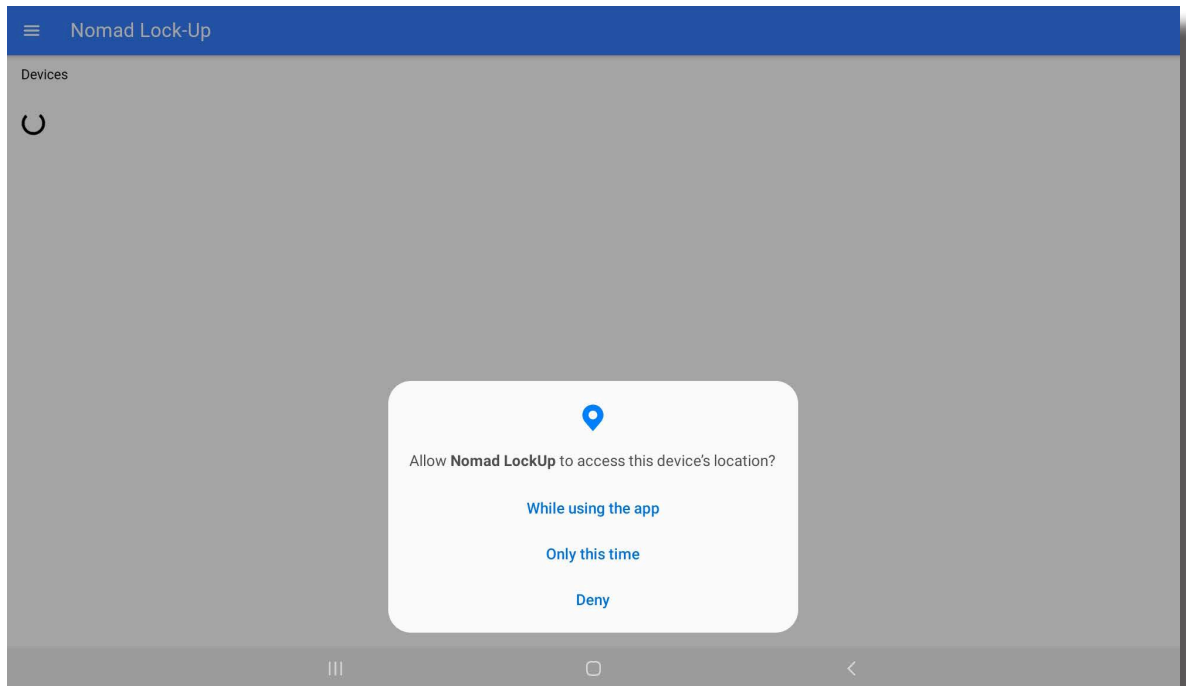
- 3.10.1 On your Android device, open the **Google Play Store** application. Tap on the **Search** field at the top of the Google Play Store screen and type “nomad lockup”. Tap on the Nomad LockUp app to show the app page.



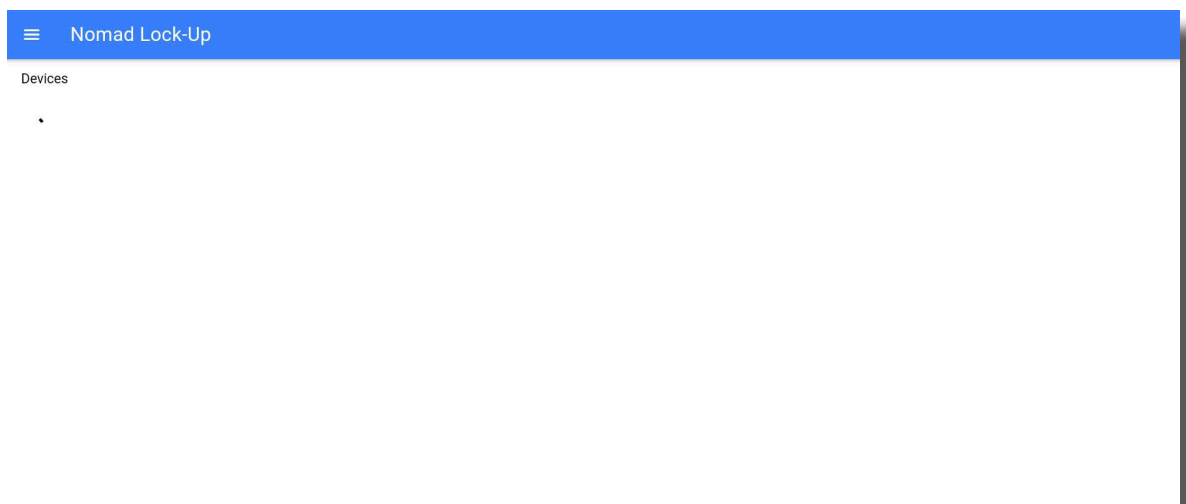
- 3.10.2 On the app page, tap on Install to download and install the app.



3.10.3 When the app opens for the first time you will be asked for permission for the app to access the devices location. Tap on 'While using the app' to continue. This permission is required for the Bluetooth functionality.



3.10.4 You should now see the devices page and a list of any Nomad Lock-Up Modules that are powered up and within range. If you are not in range of your Nomad Lock-Up Module or it is not powered up then the app will only show a spinning wheel indicating that there is no module in range.

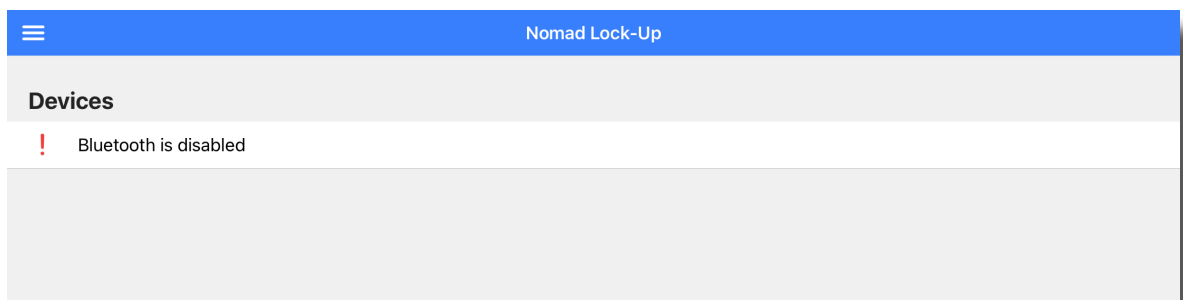


3.10.5 If you have reached this step the app is installed and ready to connect to your Nomad Lock-Up Module. You can now skip to step 4.

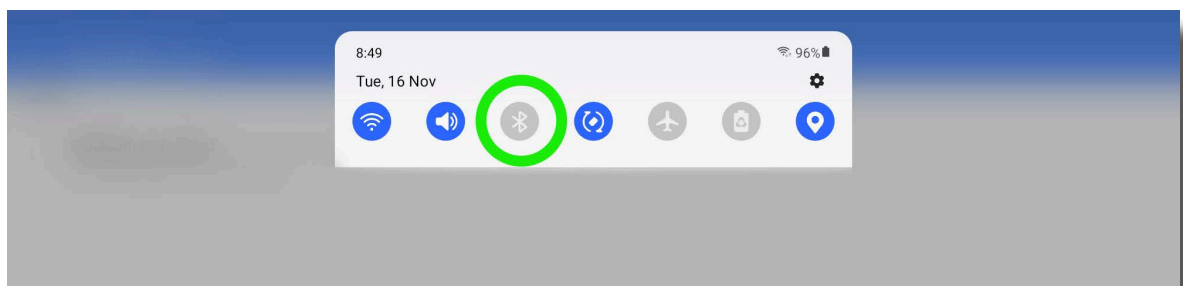
3.11. Troubleshooting Installation on Android Devices

This chapter will cover some basic troubleshooting steps you can follow if you have not been able to connect your Android device to the Nomad Lock-Up module.

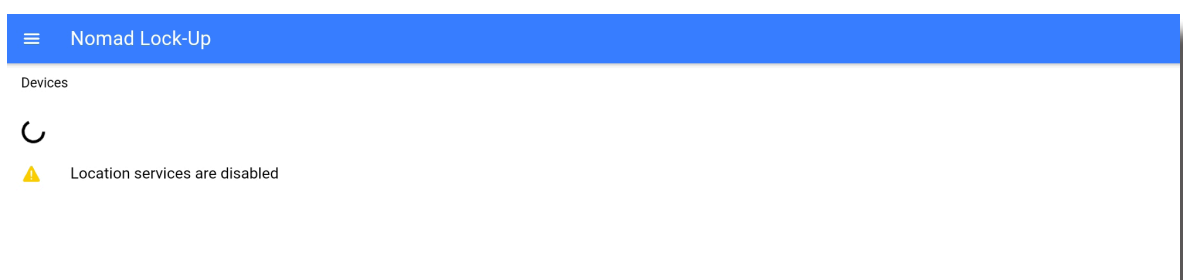
- 3.11.1 If the app says '**! Bluetooth is Disabled**' then it means that the Bluetooth communication in your smart device is not set up correctly. This could be because your app did not recognise that it has access to your Bluetooth system, Bluetooth is turned off completely or it could be that the Nomad LockUp app does not have the required Bluetooth permissions.
- 3.11.2 First, close the app and close it from the multitasking menu. Re-open the app. If the '**! Bluetooth is Disabled**' message still remains continue to the next step.



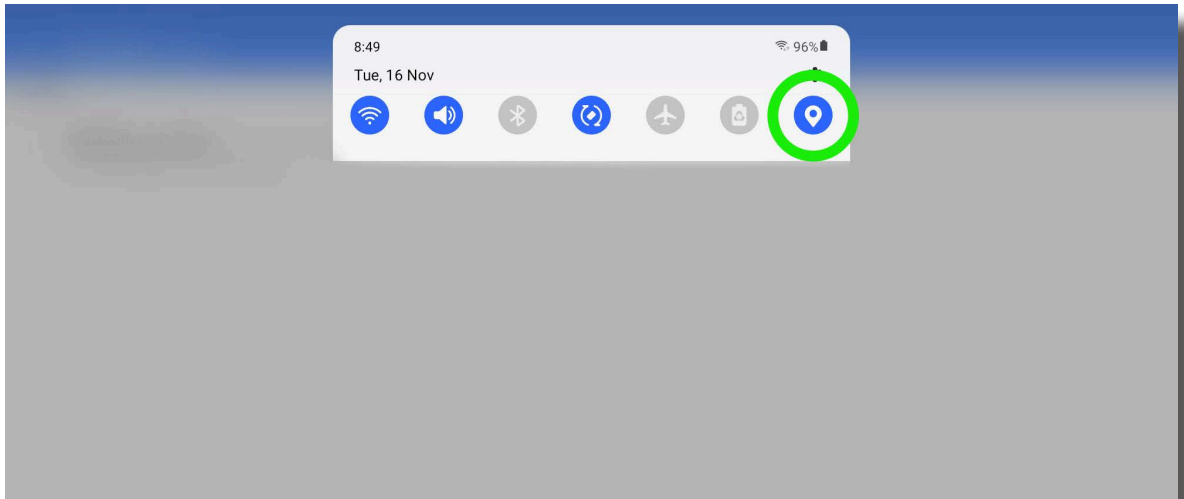
- 3.11.3 Swipe down from the top of the screen and tap on the grayed out Bluetooth icon. Close the settings window and force close the Nomad LockUp App. Re-open the Nomad LockUp app, you should no longer see the '**! Bluetooth is disabled**' message, instead it should be replaced with the spinning wheel.



- 3.11.4 If you are seeing the '**Location services are disabled**' message, this means that you have locations service switch off. This service is required for the app to function correctly.



- 3.11.5 Swipe down from the top of the screen and tap on the grayed out locations icon. This will turn locations service on. Close the settings window and force close the Nomad LockUp app. Re-open the Nomad LockUp app, you should no longer see the '**Location services are disabled**' message. It instead should be replaced with the spinning wheel.

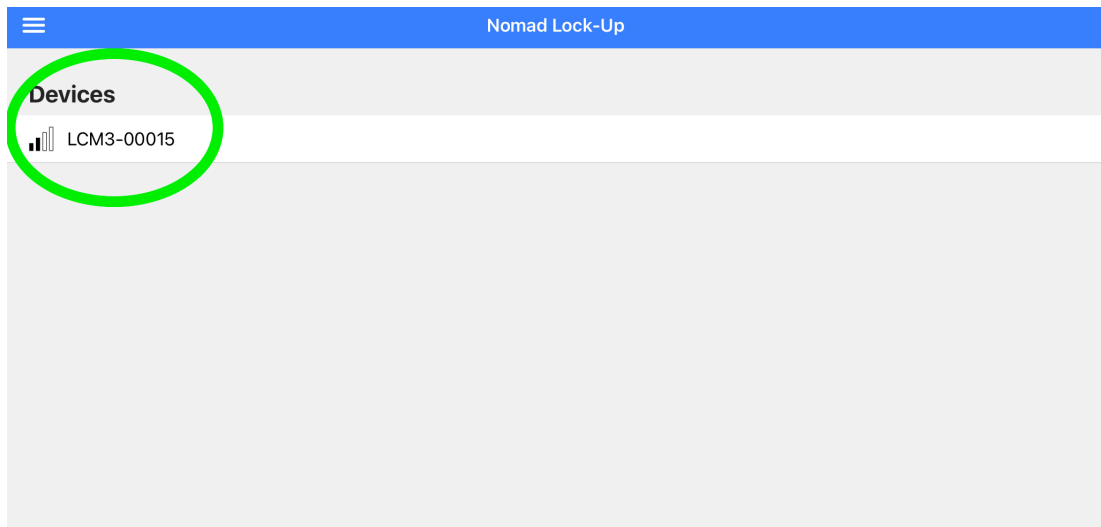


- 3.11.6 If none of these items have worked, please close the app. Tap and hold on the Nomad LockUp app icon and tap on Uninstall. Then power your device off and reboot. Start from the beginning and download the app again.
- 3.11.7 If you are still seeing the '**! Bluetooth is disabled**' message or the '**Location services are disabled**' message please contact Wholesale Automatic Transmissions for further assistance.

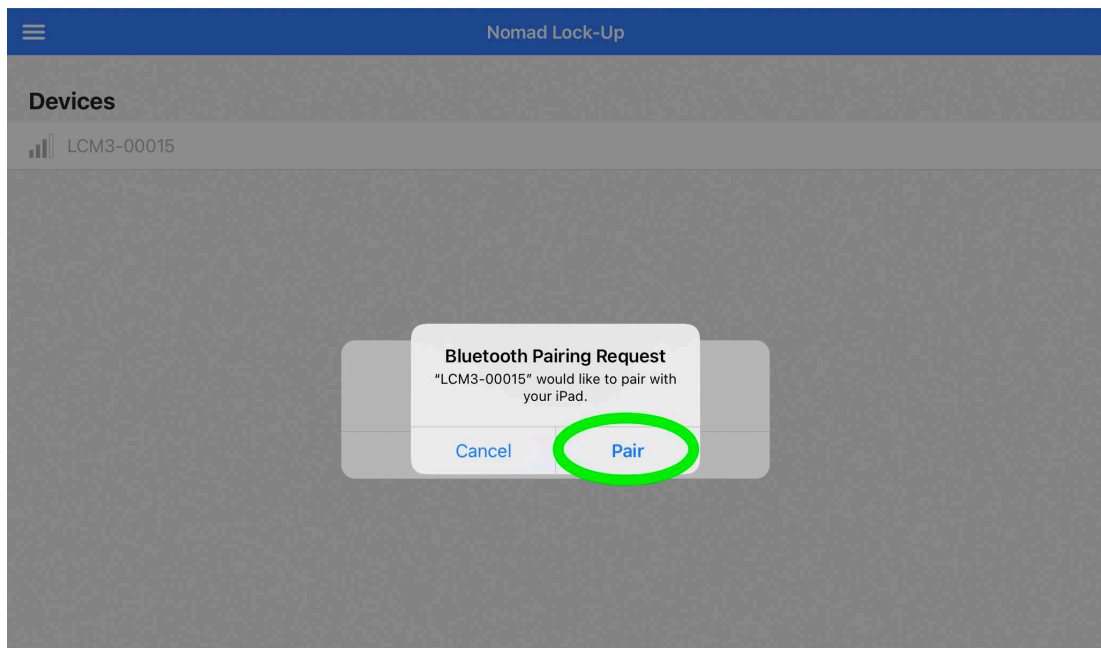
4. Setup Wizard

4.1. First Connection and Firmware Update

- 4.1.1 Turn your vehicle's ignition on, but do not start the engine.
- 4.1.2 Open the Nomad Lock-Up application
- 4.1.3 Tap on your Nomad Lock-Up module from the Devices list.

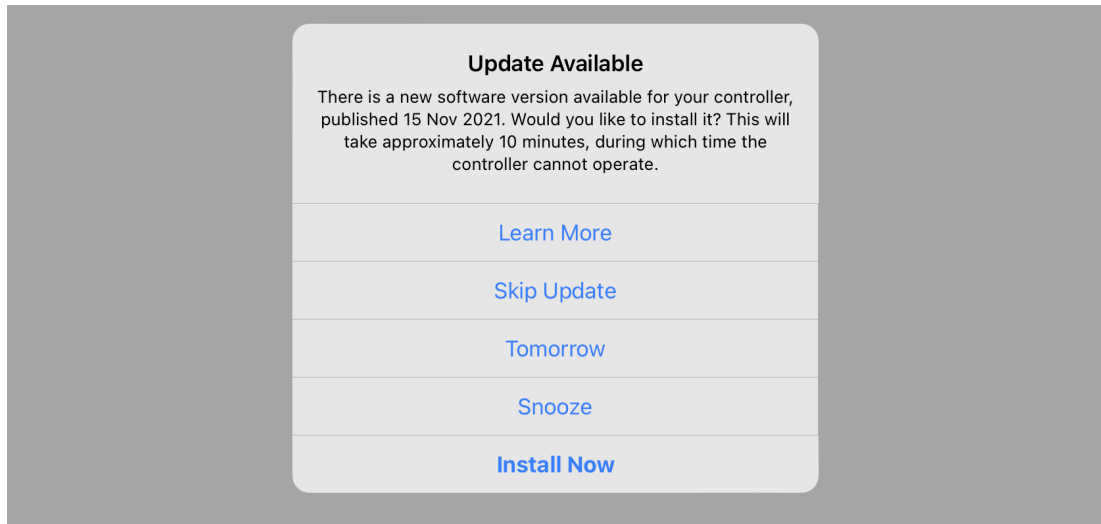


- 4.1.4 If this is the first time you have connected to your Nomad module you will be prompted to pair your device. Tap Pair.

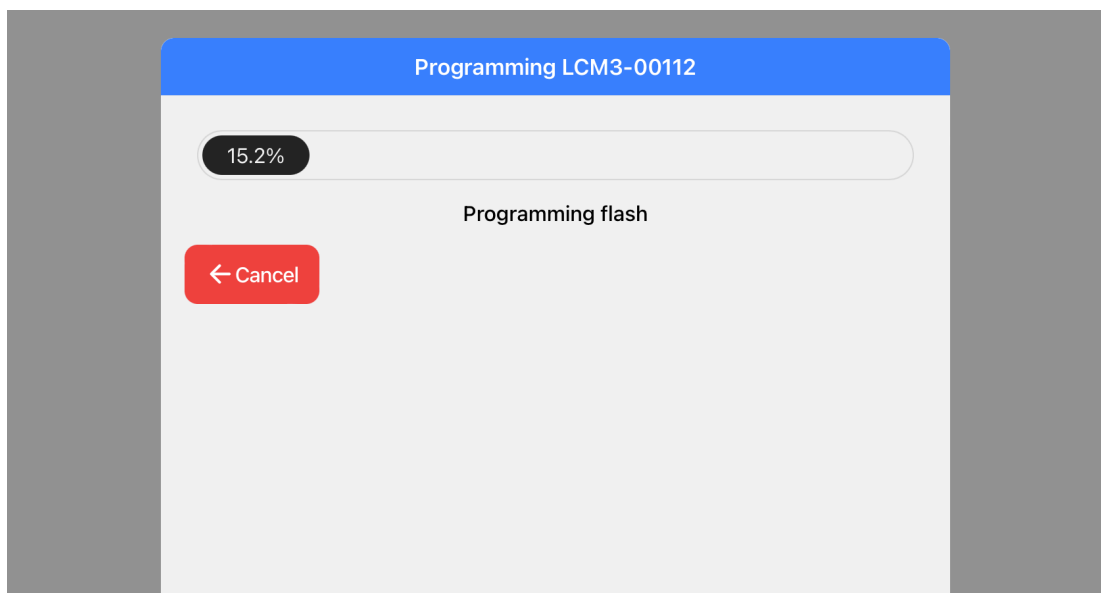


- 4.1.5 Upon initial connection the Nomad LockUp app will check if there is a new version of firmware for the module. As we develop new vehicles and add features we will provide the ability to update firmware as needed.

You will see the following prompt if there is new firmware available for your Nomad module. If your Nomad Lock-Up module is running the latest firmware, you can skip to the vehicle setup step.



- 4.1.6 Tap on Install Now. This will take approximately 10mins to download and install the latest firmware to ensure your Nomad Lock-Up module is up to date.
- 4.1.7 Please ensure your device does not go to sleep during this process. Also if you are using a phone, do not answer a call during this process as it may cause the update to fail.



- 4.1.8 Once your modules firmware has been updated, you will be returned to the devices page. Tap on your device once more to connect.

4.2. Vehicle Configuration

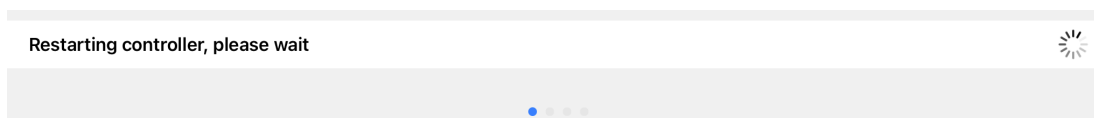
- 4.2.1 There are two different possible options for the 150 Series Prado, depending which steps you followed when installing the CAN bus wires.
- 4.2.2 If you followed the Late CAN bus steps, select the '150 Series Late' option in the 'Series' menu. Tap 'Apply Changes and Restart'.

The screenshot shows a mobile application interface titled "Setup Wizard". At the top left is a back arrow. Below the title, the text "Select Vehicle Type" is displayed. The configuration is as follows:

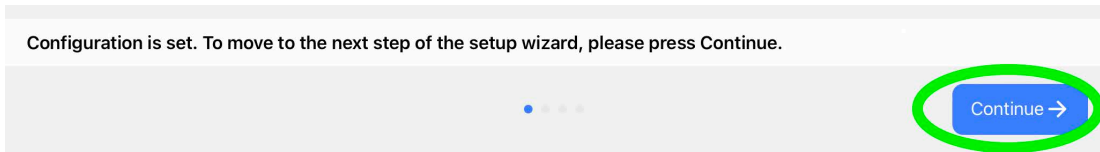
Make	Isuzu ▼
Model	D-Max/MUX
Series	RG
Engine	4JJ1 - 3.0L Turbo Diesel
Transmission	Aisin A750 5 Speed ▼

Below the configuration fields, the text reads: "Configuration is set. To move to the next step of the setup wizard, please press Continue." At the bottom, there are two blue buttons: "← BACK" on the left and "CONTINUE →" on the right. In the center, there is a horizontal progress indicator consisting of seven dots, with the second dot from the left being filled blue, indicating the current step.

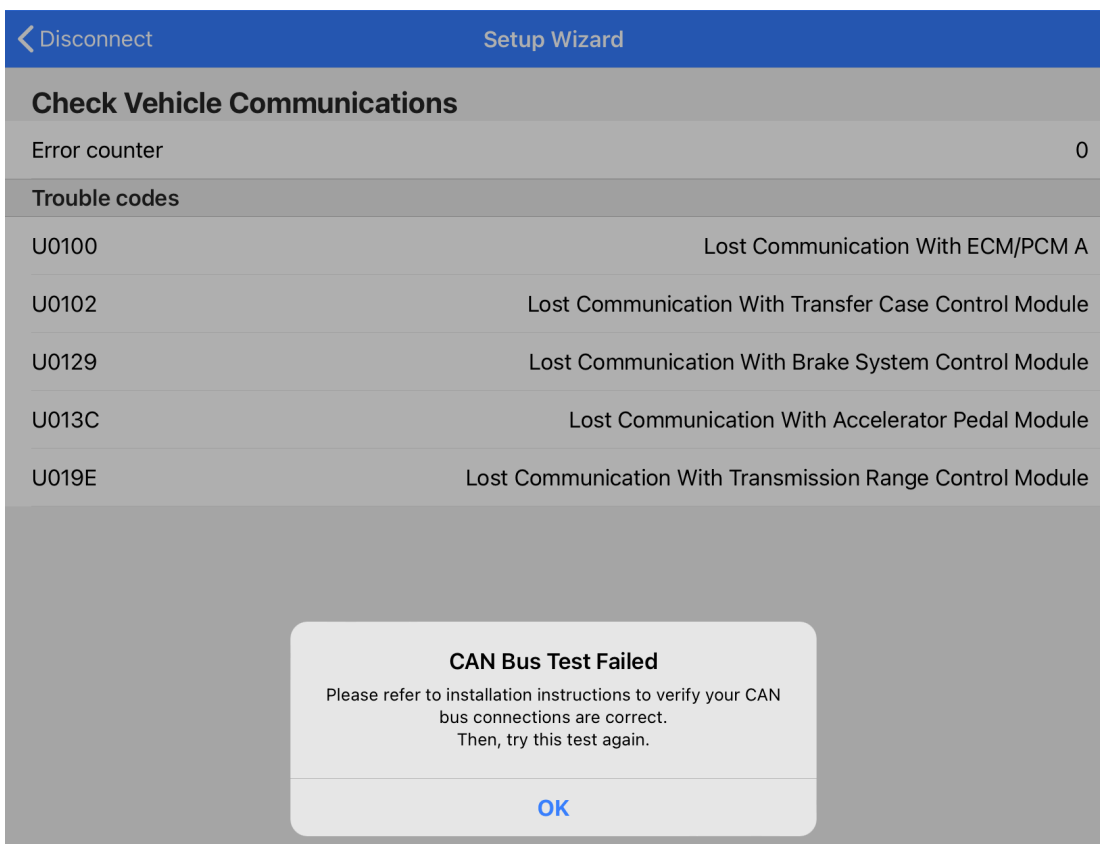
- 4.2.3 Wait while the Nomad Lock-Up Module restarts.



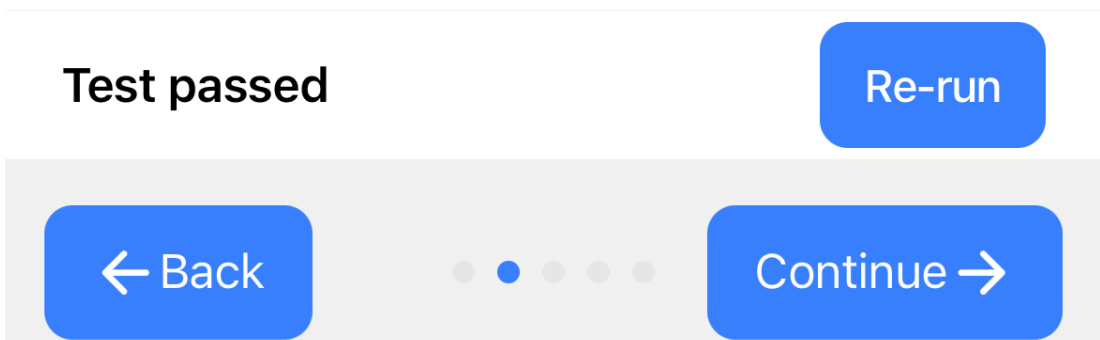
4.2.4 After the Nomad Lock-Up Module has rebooted tap “Continue”.



4.2.5 The Nomad Lock-Up Module will check for the necessary CAN bus signals that match your vehicle configuration. If the Nomad Lock-Up Module detected issues it will list the errors on the app. We recommend confirming that you have chosen the correct vehicle configuration. Also check that the CAN bus connections and the position of the two wires in the CAN bus connector are correct. You can run the test again by tapping on Try Again.



4.2.6 If all the CAN bus signals check out, you will see Test Passed and the continue button will be shown. Tap Continue.

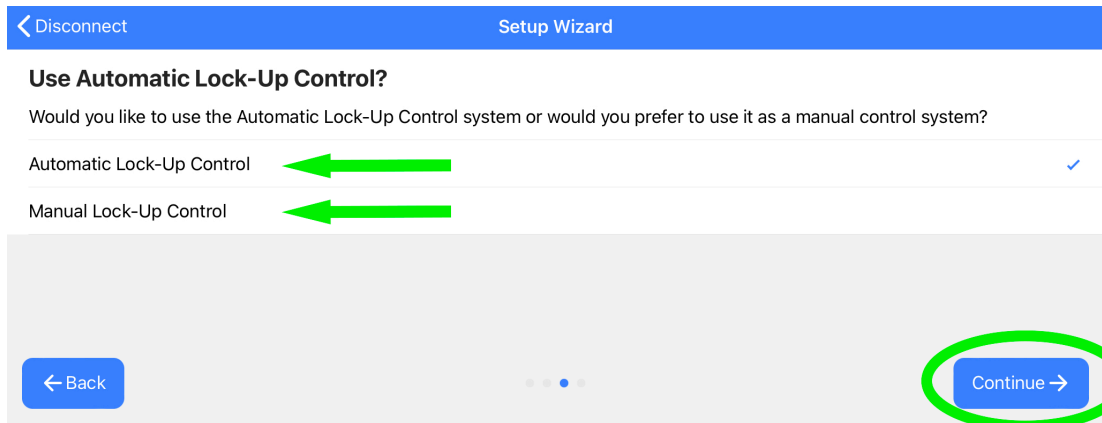


- 4.2.7 Checking Sensor Inputs allows you to verify that the signals the Nomad Lock-Up module requires to operate are being decoded correctly. Test these signals with the engine off.

Check Sensor Inputs	
Please verify that the Nomad Lock-Up Controller is receiving signals from your vehicle. If you can safely do so, activate or move the items listed below to see the signal values change. Make sure they look reasonable before proceeding.	
Throttle	0 %
Brake	Off
Engine Speed	1127 rpm
Current Gear	1
Low Range	Off
Manual Switch	Off

- 4.2.7.1 **Throttle**
Press down on the Accelerator Pedal and you should see the Throttle value increase and decrease according to the percentage of pedal movement.
- 4.2.7.2 **Brake**
Push down on the brake pedal to confirm we are receiving that signal.
- 4.2.7.3 **Engine Speed**
While you engine should be off, this should read 0. This confirms that the CAN bus signal is correct.
- 4.2.7.4 **Current Gear**
Move your shifter to Drive position and tap up/down to check the gear changes. You may have to press 2nd Start button in some variants.
- 4.2.7.5 **Low Range**
Check that the Module can detect when the vehicle is in Low Range. The Low Range value will change from “Off” to “On”
- 4.2.7.6 **Manual Switch**
Push the Lock-Up switch to check that the Manual Switch value will change from “Off” to “On”
- 4.2.8 Once all signals are confirmed, tap “Continue”.

- 4.2.9 Choose if you would like the Nomad Lock-Up Module to operate in Automatic or Manual Mode. Then tap continue.



4.2.9.1 **Automatic mode**

The torque converter lock-up will automatically engage and disengage at predetermined speeds and loads that we have configured for you. These values can be modified at anytime to suit your driving style. In Low Range the lock-up is still controlled manually via the switch.

This is the recommended setting for most people.

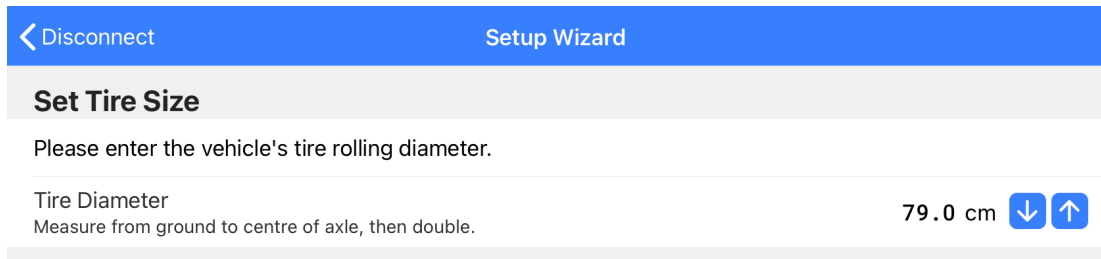
For more information about configuring the Nomad Lock-Up system, please check out our Nomad Lock-Up Users Guide. Link below.



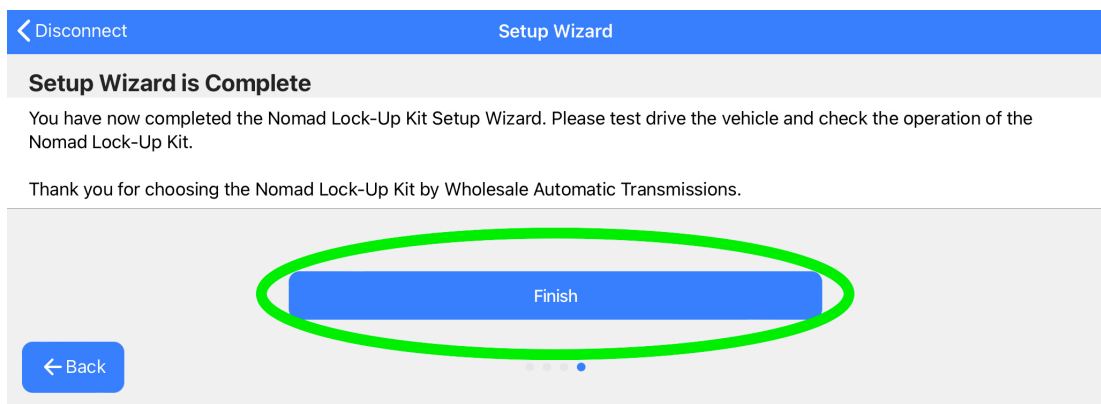
4.2.9.2 **Manual mode**

You decide when the lock-up is engaged by toggling lock-up on and off via the manual switch. This will make the Nomad Lock-Up Module operate the same way as our previous GEN2 Lock-Up Kit.

4.2.10 Please set the Rolling Tire Diameter for your vehicle. To find the Rolling Diameter measure from the ground to the centre of the axle, then double this measurement and enter it into the app.

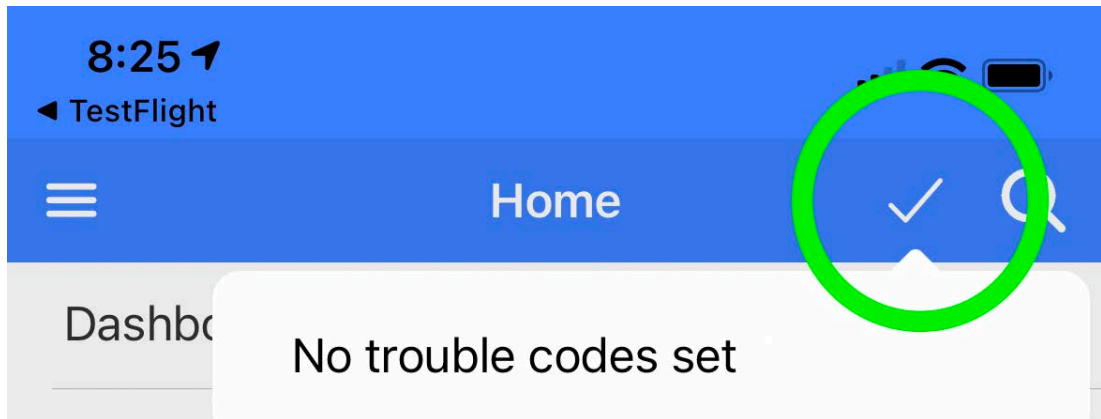


4.2.11 Tap “Finish” to complete the Setup Wizard



4.2.12 Turn your ignition off and then back on again to power cycle the Nomad module.

- 4.2.13 Allow time for the app to reconnect to the Nomad Lock-Up Module. Confirm there are no DTCs (Diagnostic Trouble Codes) set. If you see the tick at the top right, you have completed the installation.



- 4.2.14 You can now take the vehicle for a test drive to confirm the Nomad Lock-Up kit is operating as expected. At this point, we recommend re-installing any dash panels or parts removed during the installation process of the Nomad Lockup Module.
- 4.2.15 After the test drive, before switching off the vehicle, connect to the Nomad Lock-Up Module with the app to confirm you still see the tick at the top right.
- 4.2.16 Reinstall any removed panels.

This completes the Installation of the Nomad Lock-Up Kit

If you would like further information
on how to adjust all of the
calibration settings, please see
User Guide documentation on our
website using the QR code below or
tapping on the QR code.



Please provide us with feedback

If you have a minute to provide us with some feedback about your experience with Wholesale Automatic Transmissions and our products, that would be greatly appreciated.

Using your device's camera app to scan the QR code below. This will take you straight to our feedback page for you to choose the most appropriate feedback method.

