



# After Sales Vehicle Detector Installation.





# Vehicle Detector Installation.

The aftermarket Vehicle Detector installation kit is supplied with an optional use swivel bracket. If this is not required, then follow the first installation procedure only.

There is also a YouTube Video you can follow for the installation process.

 **YouTube**  
Scan the QR code  
to view the video.



## Step 1:

The Vehicle Detector is normally fitted to the left side of the Green Light.

Remove the sun visor fixing screw using a X-head screwdriver.



## Step 2:

Using the Special tool provided, insert it as shown to open the Green light.



### CAUTION:

Do this as a gentle process so as not to damage the locking clip.

Press the tool in and pull slightly to the left to unlock the clip.

Do the same for the top clip.



**Step 3:**

Remove the connector to the LED board.



**Step 4:**

Using the X-head screw driver, remove the actual LED board.



**Step 5:**

Use jig with clamp to drill pilot holes.

Using the drilling template provided, use a 3mm drill to mark the holes and then drill out.



**Step 6:**

Use a stepping drill bit (available from Bunnings) to drill the centre hole out to 20mm size.



**Step 7:**

Remove the rubber seal as shown. Only the corner section needs to be pulled out.



**Step 8:**

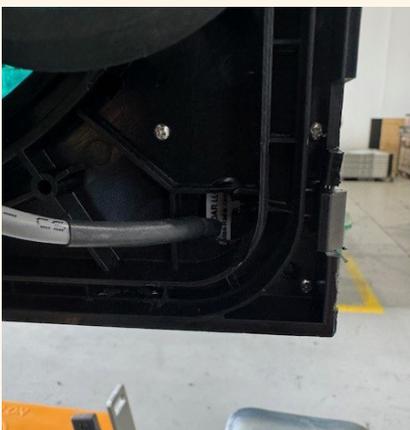
Re-fit the X-head screw to fit the visor back.



**Step 9:**

Remove the small screws on the Vehicle Detector and fit the SPACER/PACKER as shown.

Feed the cable through the plastic.



**Step 10:**

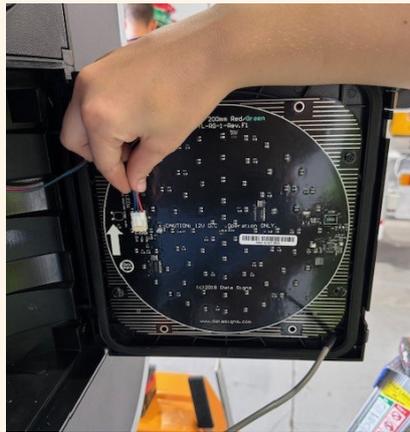
Once the cable is fed through and the spaces aligned, fit the 4x Vehicle Detector screws using a small X-head screwdriver.

ENSURE Vehicle Detector ORIENTATION IS AS SHOWN



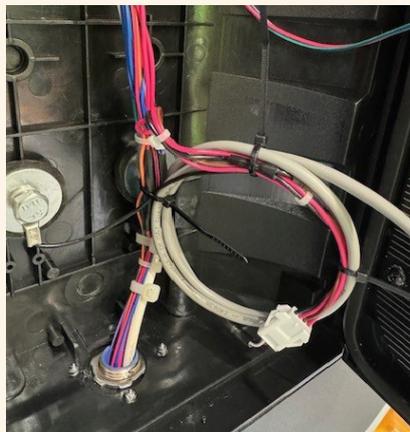
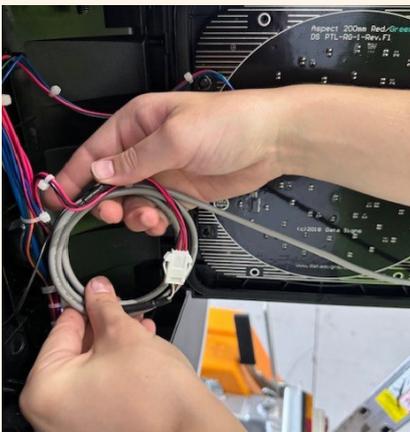
**Step 11:**

Replace the rubber seal



**Step 12:**

Refit the LED board and reconnect the connector to the LED board.



**Step 13:**

Now connect the Vehicle Detector wiring harness to the mating connector inside the light housing.

Once plugged in loop and keep wiring tidy using cable ties provided.



# Testing the Vehicle Detector.

 **YouTube**  
Scan the QR code to view the video.



Close the light housing and switch the controller ON.

Using QUICK START, set up for:

50m site length, 40KPH and Select DEMAND MODE and SHUTTLE MODE.

USE the Using the Special tool (tuning fork), tap it on a solid surface (trailer) and then hold it in front of the Vehicle Detector as Shown.

The Green Light on the Vehicle Detector will light up, the DEMAND LED on the CONTROLLER WILL Light up indicating the Vehicle Detector has been Activated.





# Swivel backed installation

 **YouTube**  
Scan the QR code to view the video.



In some instances the Vehicle Detector may need to be facing at a perpendicular direction to detect vehicles from the side.

See PTL-NxG Advanced Manual (available to download from the Data Signs website): “The Vehicle Detector” section and also the SUB Menu: VEHICLE DETECTION (DEMAND MODE) for more information on where this may be used.



## Step 1:

Fit packer then the Bracket Use Screw from Radar.

If the swivel bracket is to be used, use the small screws fitted to the Vehicle Detector to hold the bracket in place to the actual lamp housing. Remove the Vehicle Detector and refit the Bracket



## Step 2:

Make sure bracket is Correct Orientation.

Fit bracket as shown, ensuring orientation is correct.



**Step 3:**

Tighten screws, top and bottom of pivot

Use the supplied thumb screws to now hold the Vehicle Detector in place.

**Step 4:**

Test Vehicle Detector (see above section).