

# GENESIS OFFROAD

## G Screen Installation Instructions



Part number 141-GS  
Revised 6/22/14

# GENESIS OFFROAD

## Table of Contents

Before you Begin.....	2
G Screen Mounting Considerations.....	3
Cutting the Hole.....	4
Install the G Screen.....	5
Install the Wiring Harness for Gen 3 Lids.....	6
Usage.....	9

## Before you Begin

**DISCONNECT the positive leads on BOTH batteries FIRST.**

**Leave your batteries disconnected during installation to avoid accidental shorting while installing the wires.**

Parts List	Qty	Tools Needed
G Screen	1	1/2" Socket
Ribbon Cable	1	Ratchet with extension
Interface Module	1	Cut Off Wheel or Air Saw
Wiring Harness 8'	1	or similar
Hole Template	1	Razor blade or similar

## Fitment Information

The G Screen is compatible with all versions of the Genesis Offroad Dual Battery Kit.

- Gen 3 and prior Dual Battery Kits (purchased prior to 6/24/2014) require a wire harness with individual wire connections. See page 6.
- Gen 4 and later Dual Battery Kits (purchased after 6/25/2014) come with an integrated G Screen interface port for a single connection to add the G Screen.

## Installation Time

- Gen 3 & prior:      First time installer: 1.5 – 2 hrs      Experienced installer: 1 – 1.5 hrs
- Gen 4 & later:      First time installer: 1 – 1.5 hrs      Experienced installer: 45 mins

# GENESIS OFFROAD

## G Screen Mounting Considerations

The **G Screen** may be mounted in any location where you have room. The included wiring harness is 9 ft long, plus a 1 ft ribbon cable, to accommodate multiple mounting options.

Popular options include:

Above driver's side speaker



In an sPOD switch panel (see [www.4x4sPOD.com](http://www.4x4sPOD.com))



Windshield pillar mount

Depth required behind the screen



# GENESIS OFFROAD

## Cutting the Hole

The kit includes a template sticker to help you cut a mounting hole the exact size needed.



Place the template sticker where you want to mount the **G** Screen. Use an X-Acto knife or razor blade to score the outside line where the hole will be cut, then remove the sticker to finish cutting the hole.

**TIP:** Clean the area with an alcohol wipe prior to placing the sticker. This helps the sticker remain in place especially on textured plastic dash panels.



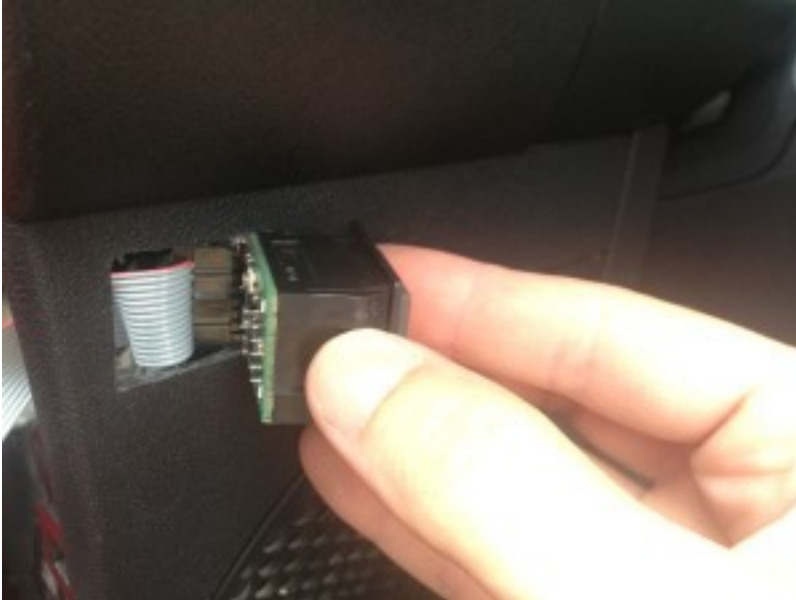
Drill a pilot hole in the middle of the area to be cut out. An air-saw is an excellent tool to use for making precise cut. You can also use a Dremel or other rotary cutting tool, but be aware it will create heat and melt the plastic around the cut line.

Cut the bulk of the material out, then fine tune the hole size with a razor blade for a perfect fit.

If you are careful and take your time, you should have a perfectly sized hole within 10 minutes or less.

# GENESIS OFFROAD

## Install the G Screen



Route the ribbon cable through the hole first. Leave the ribbon cable connected to the screen during installation as it may be difficult to connect it once the screen is in place.

Notice the circuit board sticks out slightly. Install this side first, then rotate the screen to snap into place.

Do not force it to fit! Trim the dash to fit the screen a little at a time.

The ribbon cable should be on the right side, with the red stripe at the top.



Final installation

# GENESIS OFFROAD

## Install the Wiring Harness for Gen 3 Lids

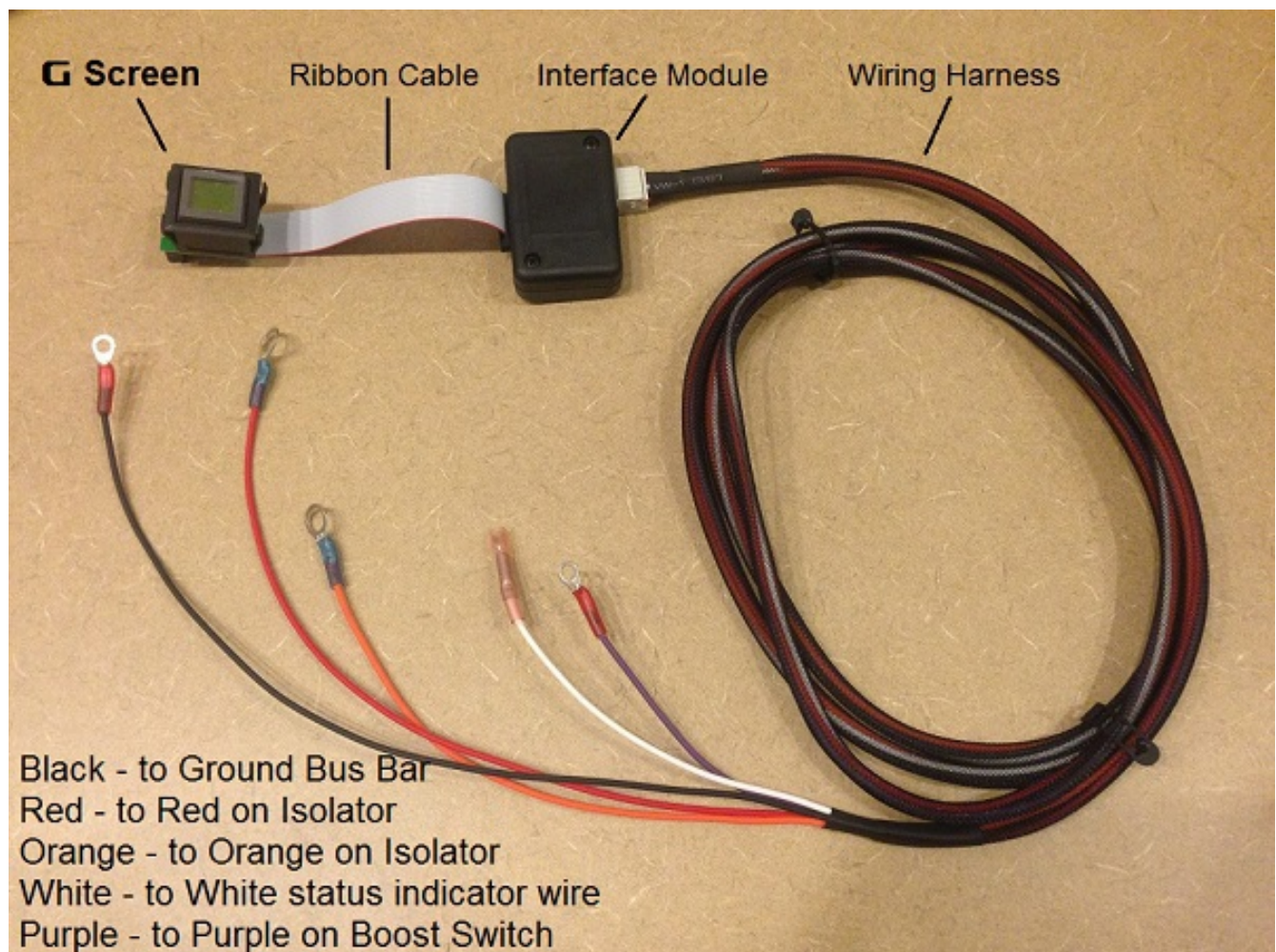
The following steps apply to all Gen 3 and prior lids (purchased prior to June 24, 2014), without the G Screen interface port.

If you purchased your Genesis Dual Battery Kit after June 24, 2014, your lid comes pre-wired with the G Screen interface port, skip to page 8.

**DISCONNECT** the positive leads on **BOTH** batteries **FIRST**.

**Leave your batteries disconnected to avoid accidental shorting while installing the wires.**

Component Layout for Gen 3 lids



# GENESIS OFFROAD

The wire harness leads are sized to perfectly line up with the components for a clean installation.

**Red, Orange, and Black** wires – route through the grommet in the lid to their connections. Simply match the wire colors.

**Red and Orange** ring terminals go to the side posts on the isolator behind the 1/2" nut.

**Black** goes behind the isolator over to any of the terminal screws on the ground bus bar.

**Purple** wire will go onto the same terminal with the existing purple wire on the Boost Switch. You'll need a short phillips screwdriver to remove/reinstall the terminal screw on the back of the boost switch. It may be easier to remove your top lid and rotate it to gain access to that screw.

**White** wire is spliced onto the existing white wire close to the boost switch. This is the remote status indicator lead. Strip about 1/4" and insert it into the butt connector. Crimp the connector, then use a heat gun on the heat shrink to seal the connection.



# GENESIS OFFROAD

Route the wire harness across the engine compartment to the driver's side. Below the brake fluid reservoir there is a large rubber grommet. Cut a small slit in the rubber grommet to allow the wire harness through the firewall. Be careful not to damage any factory wires.



Open the driver's door and look up at the firewall above the brake pedal.

You can easily see the G Screen wire harness going through the rubber grommet.



Pop off the trim panel from the side of the dash.

Route the wire harness up and connect it to the Interface Module.

Connect the ribbon cable to the interface module.

Plug the other end of the harness into port the Gen 4 lid. See our video for more details.

Double check all wires are secure.

Reconnect your positive battery leads.



# GENESIS OFFROAD



Tuck the interface module behind the dash and secure the wire harness neatly out of the way.

Replace the side trim panel.

## Usage



Final installation.

Press the screen to rotate through the menus:

- Main Batt voltage
- Aux Batt voltage
- Boost status
- Genesis Offroad firmware revision

If screen shows Boost Off, press the screen for 3 seconds to activate the boost button. Batteries will connect for 1 minute, then return to normal charging mode.

### Background Colors:

Green: Batteries are >12.7v and connected

Yellow: At least one battery <12.7v and disconnected to protect the cranking battery

Red: At least one battery <12.0v