

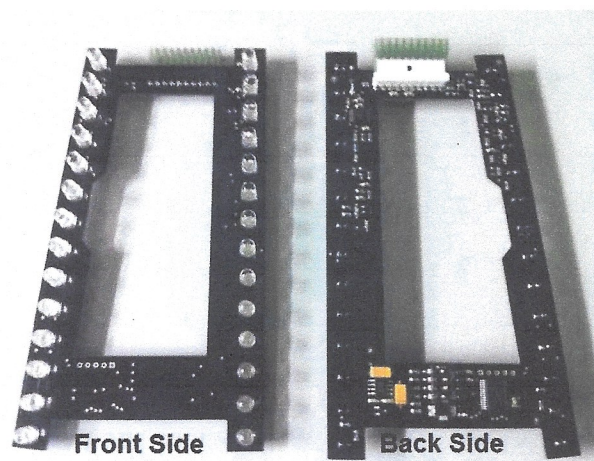
LED PEDAL SETUP & INSTALLATION GUIDE

KITTNZ KNIGHT RIDER

LED PEDAL SETUP & INSTALLATION GUIDE

Model No. FF-KRP1

ENGLISH



Dear customer

Thank you for purchasing this product.

For optimum performance and safety, please read these instructions carefully. Please keep this manual for future reference. If you have any questions contact Fred at:

Email: kittnz@actrix.co.nz

Before commencing work, carefully read these installation instructions and the operating instructions to ensure that installation is performed correctly.

(Please keep these instructions. You may need them when maintaining or moving this unit.)

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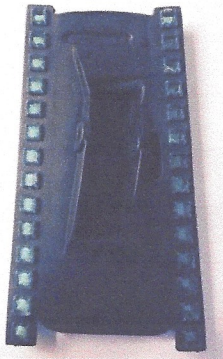
Disclaimer

This guide assumes you have the LED pedal available from KITTNZ and the Resin Pedal available from Billy Gunter. You can contact Billy to order your Resin Pedal at:

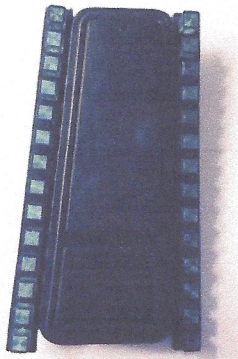
http://www.knightdesigns.com/store_GasPedal.html

BILLYS PEDAL

Back



Front



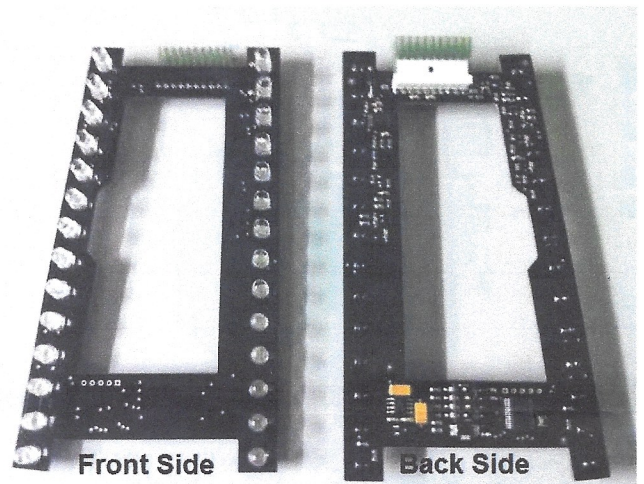
About the Pedal

The pedal can be installed on 4, 6 and 8 cylinder vehicles with fuel injection or carbureted fuel systems.

The LEDs will scroll up and down as they did on the Knight Rider show.

In addition, the pedal also incorporates a sound effect.

PEDAL BOTH SIDES



You now need to setup the pedal to **your** vehicle but before you do, note the following information about the connector pins and switches.

Continued overleaf...

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Connector Pins

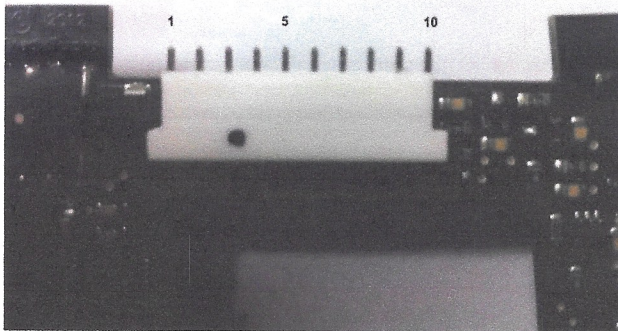
Pin connection:

Note: "pin 1" is on connector LHS when looking at the rear (non-LED side) of the board.

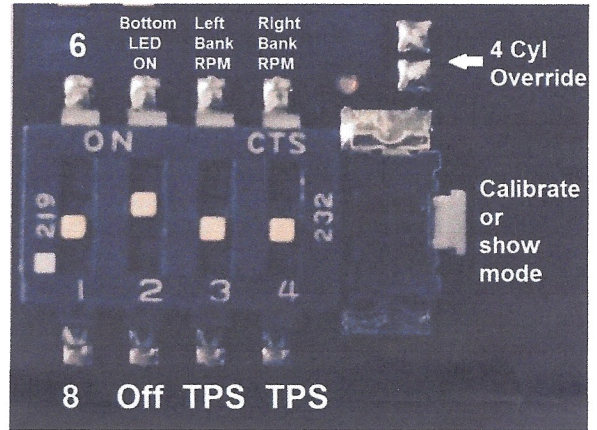
Pin:

1. Balanced audio line-out (+)
2. Balanced audio line-out (-)
3. Battery (-)
4. Battery (+)...switched by ignition key
5. Same as 4.
6. Same as 3.
7. Points (-)... same as Battery(-) but a direct current return path to the points in case of electrical noise, shown by unstable RPM indication.
8. Points (+)
9. TPS(-)... same as Battery(-) but a direct current return path to the TPS in case of electrical noise, shown by unstable TPS indication.
10. TPS(+) 0-5V.

CONNECTOR



DIP Switch Settings (where OFF/ON)



Note:

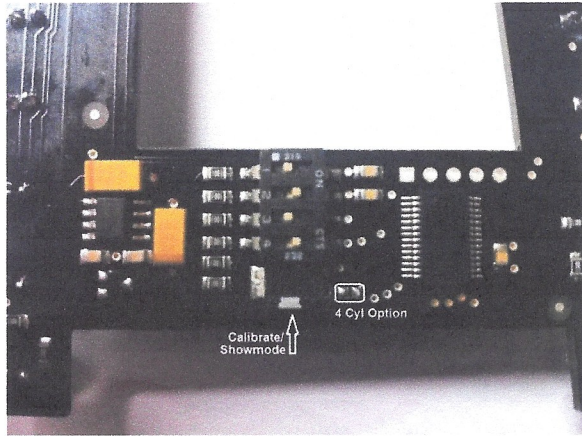
"Left" and "Right" refers to driver's perspective.

Press button switch:

1. Demo/Show mode: Press and hold before powering-up, release when LEDs ramp up. Power-down to exit this mode.
2. TPS calibration: only required after first connection, when changing installation, or if a scale change is desired. Ensure TPS is connected and ECU is running, engine not running. With throttle in resting position press and hold the calibrate button. All of the LEDs will light. Press throttle to desired full scale position - it doesn't have to be full throttle. Release button. This stores in non-volatile memory the minimum and maximum throttle position for corresponding min/max LED indication.

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OPTION SWITCH



Ascending tones:

1. If either of the Left or Right LED banks is set to TPS then it is the TPS that determines when the tones kick in at 0.5fsd.
2. If both Left and Right are set to RPM then 0.5fsd of RPM will set the tones off.
3. After the tones have sounded they will not sound again until the effecting source (TPS/RPM) is returned to near zero to reset the trigger point.
4. In Demo/Show mode the tones cycle about every 10 seconds in conjunction with the LEDs cycling 0-fsd-0.

Set these options as per your vehicle before installation of the pedal.

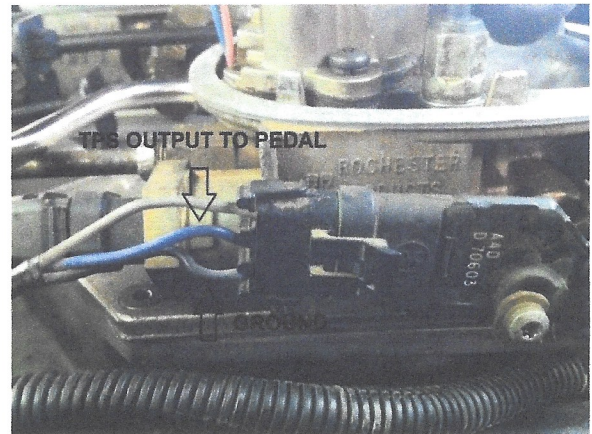
If your vehicle is carburetted you can use the same connection points as your dash board.

If you have a fuel injected vehicle you will need to connect to your TPS sensor. You can make a connection at the TPS sensor or where it connects to the engine ECU.

However; you will need a circuit diagram of your vehicle to determine where this is.

This is a picture of a 1982 Crossfire TPS sensor. It has 3 wires which are ground, supply voltage and 0-5 volts output to the ECU. We need to use ground and the 0-5 volts output. In other vehicles the sensor may look different so you will have to use a multi-meter to check the connections.

TPS SENSOR



Once you have tested everything is working as it should, install the complete assembly onto the accelerator rod and start enjoying your new Knight Rider LED Pedal.

