



SPEED INNOVATIONS
Making The World A Faster Place
(928)854-1320

SNP Speed Innovations

RZ Dash/Engine Swap Harness Instructions

SNP-1826-41198

(SNP-RZ347218)

Do Not Call LCE for Tech Support!
Do Not Call Haltech for Tech Support!

Tech support is available for installation questions and for online support in regards to no start or calibration issues. Online remote tech support will need to be scheduled. Please call (928) 854-1320 Mon-Fri 8 A.M. to 5 P.M. Arizona time.

Remote Tuning is available for an added fee and will need to be scheduled in advance. A Windows based laptop and an active wireless internet connection will be required. To use remote access support you will need to download "ANYDESK". This is a free service and can be found at WWW.ANYDESK.COM

Online remote tuning available by appointment only, contact us for more information.

For tech support or tuning questions please contact Gabe Salazar at
SNP Speed Innovations
Phone: (928) 854-1320
Email: tunedbygabe@gmail.com

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Product Installation

Ensure the vehicle is in park/neutral, set the emergency brake, and disconnect the negative cable from the battery.

You will need a crimping tool and a depinning tool

1. Before you remove the factory harness, label all connectors attached to it. Once you have removed your 22RE factory engine harness, locate the two Dash connectors near the factory ECU area. Next, plug the 2 large white connectors into the dash harness located in the bottom right kick panel. When the connector has been completed, you can then route the wires alongside the main engine harness, and through the fire wall.

1.a For trucks 1988 and newer, you will have to use your original dash connector. Our harness will have the correct terminals and pins, but you will have to trace and depin the original wires from the original dash connectors before you can pin the new wires in. We recommend individually tracing the wires from the sensors*, and labeling them at the dash connectors. After you have identified and labeled them, remove each wire one at a time, and proceed to insert the new wire into the original connector. This will help minimize the chance of mistakes.

*The only sensors you will be pinning into the dash connectors are: A/C, OIL, TMP, STR, 4WD, REV, and SPD. All other wires that have been depinned from the connector will remain blank.

2. You will have to cut your 22RE factory Reverse, 4WD, and Speed wires (88 and up) at approximately 3" from the connectors. Take note which wires are your 4WD indicator (Green), Reverse power (Red/White), Reverse signal (Red).

3. Once you have cut your 22RE factory connectors, strip the ends of the wires approximately ¼" from the end of the wire. After they have been stripped, you can then crimp the 3 supplied pins onto the factory connector wires. *You will need the a crimp tool for this process*.
Next push the pins into the supplied 6 pin connector in the order shown on the next page.

- 1) Reverse signal
- 2) Reverse power
- 3) 4X4 indicator
- 4) Speed Sensor signal (1988 and up)

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5) Speed Sensor Ground (1988 and up)

4. If all wires are correctly pinned into the connector, you will need to install the wedge lock between the pins. After the wedgelock has been installed, you can now route the wires alongside the main engine harness, and through the fire wall. When the harness has been run, start connecting the wires as labeled: A/C, OIL, TMP, STR, 4WD, and REV. Once those are connected, you will need to route the Reverse/4WD branch to the transmission area and connect the remaining plugs. Plug Red/White wire with a single connector into the mating connector on your new SNP Speed Innovations engine harness.

Wiring connector label abbreviations

A/C: Air Conditioner

OIL: Oil Pressure

TMP: Temperature

STR: Starter

4WD: 4 Wheel Drive

REV: Reverse

SPD: Speed