

Orion2 Harnesses and Numbers Explained

Different types harnesses are offered for the Orion2. Some are more complete to save time at the installer and others needs work but will save cost to the installer. If you are a beginner, rather go for the preferred more complete harnesses as this may minimize errors on your side. The Preferred harnesses has all the wires installed in the connectors. All documentation in the manuals is based on these harnesses. The Econno Harnesses may not have all the wires but only the wires required for a minimum installation or it may not include diodes and relays.

Harnesses evolved over time to the latest part numbers of today. Below is a list of part numbers that were discontinued and replaced by new numbers. If you have an old number harness, make the changes to be the same as the replacement harness. Documentation in the manuals may still contain old numbers but will be changed to the new numbers gradually. Always use the latest documentation in the online manuals. This is found on the Android mobile support app, The tuning software and the online manuals on the Web.

New products may be pin compatible with older products by they are not backwards compatible with old harnesses. There are added protection like Diodes built into new harnesses to protect the new generation of electronic components. Components today use less power and are faster but they are more sensitive. Should you use a new product on an old harness be sure to modify the old harness first to be the same as the new design. Otherwise, you may end up damaging your device.

Orion2 preferred more complete harnesses

E45_P1 Crank Only Input Harness.pdf
E44_P1 Crank Cam Separate Input Harness.pdf
E43_P1 Crank Cam Combined Input Harness.pdf

E41_P2 2Relay Output_Harness.pdf (Only used where extra power is required)

The Econno Harnesses

E46_P1 Crank Econno Input Harness.pdf (No Lambda or Air sensor wires)
E42_P2 1Relay Standard Econno Output Harness.pdf (Only 1 Coil and 2 Injector wires)
E31_P2 No Relay Econno Output Harness.pdf (No Relays or diodes)
E40_P2 1Relay Output Harness.pdf (Not recommended for Orion2 as it limits the ability to shut down properly which may damage the Ecu)

Replacements

Discontinued – Replaced By

E22 – E43_P1 Crank Cam Combined Input Harness
E24 – E45_P1 Crank Only Input Harness
E29 – E44_P1 Crank Cam Separate Input Harness
E21 – E31_P2 No Relay Econno Output Harness
E23 – E42_P2 1Relay Standard Econno Output Harness
E26 – E31_P2 No Relay Econno Output Harness
E27 – E41_P2 2Relay Output Harness
E32 – E42_P2 1Relay Standard Econno Output Harness
E33 – E41_P2 2Relay Output Harness
OT03 – E40_P2 1Relay Output Harness