



# Dual Ignition Control Kit, Part # HA1201

Some Dometic Marine products use an engine ignition source for a wake-up signal or control power source. The diode assembly in this kit is used to combine two ignition sources into one and ensures that the Dometic system is energized when any engine is on in a multi-engine boat.

To determine how many diodes you need, subtract the number of ignition sensing leads on the Dometic product from the number of engines.

**Example 1:** a power assist has a single sensing lead, so installation on a triple-engine boat will require  $3 - 1 = 2$  diodes.

**Example 2:** The PCM in an Optimus EPS system has two sensing leads, so installation on a quad-engine boat will require  $4 - 2 = 2$  diodes.



## NOTE

Many newer engines use a single ignition switch for multiple engines. If you have such engines you do not need this kit.

## Installation

Use heat-shrink terminal connectors, such as Molex Perma-Seal, or soldered connections with heat-shrink tubing. Crimp the connectors to the leads according to the manufacturer's instructions.

- Install the diode under the dash in a dry location.
- Connect the Dometic ignition wire (purple) or control power wire (red) to the terminal marked 'P/A' on the diode.
- Connect the engine ignition switches to the terminals marked 'Eng. A' and 'Eng.B.'
- Use tie-wraps secure the wires so the terminals can't be accidentally disconnected.



## NOTE

On some products the ignition/power wire must be fused. Follow the instructions that came with the product.

## Wiring diagrams

Figure 1 shows a typical twin-engine connection where the ignition/power wire must be fused. This is how the ignition wire on the SeaStar Power Assist or Trim Tab system will be wired.

Figure 2 shows how to combine triple- and quad- engine ignitions with multiple diodes. Fuse wire as shown in figure 1.

Figure 3 shows a typical connection on an Optimus EPS system with two sensing wires.

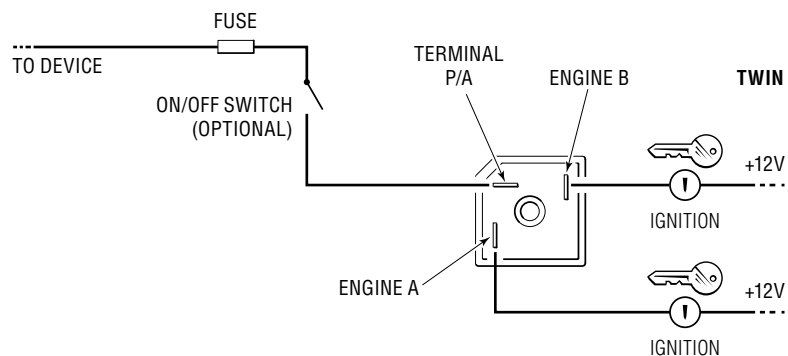


Figure 1.

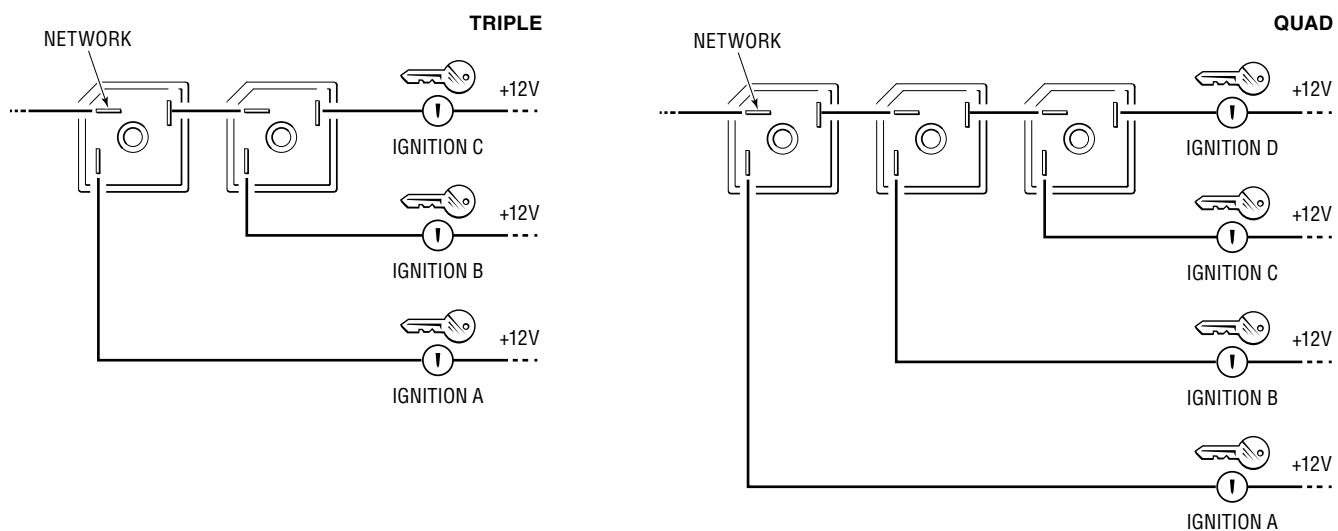


Figure 2.

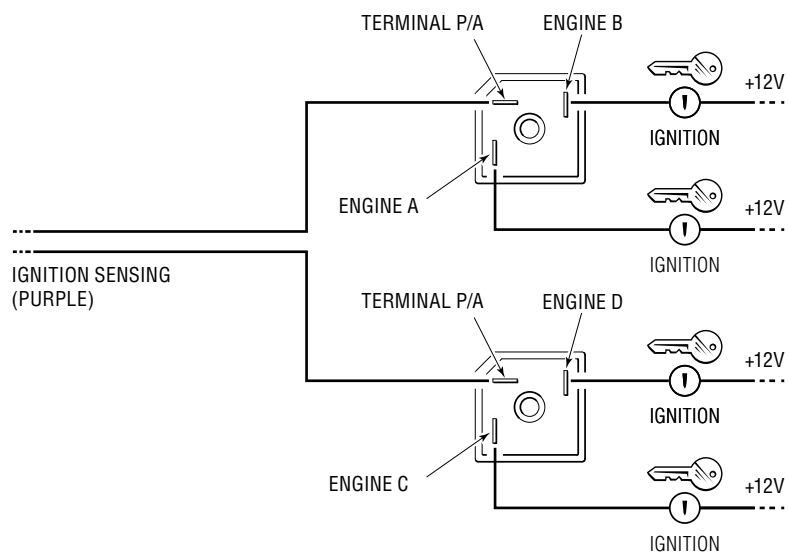


Figure 3.