



Network Bridge Interface (NBI)

BEP Part Number 80-911-0057-00



Features:

- Provides power isolation between two independent CAN networks:
 - Allows one bus to be powered off while the other remains operational, (power saving i.e. drop out electronics over night but keep CZone bus running)
 - Allows two different power supplies to be used, i.e. CZone network run from Domestic batteries while connected to an Engine monitoring network which derives power from Engine battery supply
 - Can be used to assist with voltage drop issues on long networks i.e. install NBI in centre of bus and connect power supplies either side (at midpoint of each network)
- Allows NMEA 2000 and proprietary messages to pass between two independent CAN networks
- Filters and stops any corrupt NMEA messages from passing from one network to the other
- Can be used to expand a network when the node limit maximum has been reached (a node is a device connected to and operating on the NMEA 2000 network) – When the 40 node limit has been reached (or bus load is too great) a NBI can be fitted to allow a further 40 nodes to be added to the network
- Should one bus “lock up” the NBI will prevent the second bus from becoming corrupted ie protects mission critical control network from becoming corrupted by any faults on the secondary monitoring network
- LED repeater on case for network status reporting
- Dimensions L69mm x W69mm H50mm (L2.75” x W2.75” x H2”)



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Wiring:

Important: Ensure network terminators are fitted at end of each network

