

PARTS

Sales and Marketing



REMACK®

To: Parts Managers

Bulletin: M50-18
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Subject: Remanufactured Engine Control Modules

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| 12MS45M4X* | Remanufactured V-MAC I Module (Replaces 12MS45M, M2, M3, M4, and M5) |
| 12MS45M5X* | Remanufactured V-MAC I Module (Replaces 12MS45M, M2, M3, M4, and M5) |
| 12MS51M7X | Remanufactured V-MAC® I Module (Replaces 12MS51M, M2, M3, M4, M5, M6, and M7) |
| 12MS59M11X | Remanufactured V-MAC® II Module (Replaces 12MS59M, M2, M3, M4, M5, M6, M7, M8, M9, M10 and M11) |
| 12MS517BMX | Remanufactured V-MAC® III Module (Replaces 12MS510M2, 514M, 517M, 517AM, and 517BM) |

Features:

Each module is cleaned and inspected for any external visual damage. The module is then completely tested at room temperature to insure all system features meet O.E.M. parameters. The module is then put through a heat soak test at a controlled temperature to insure parameters are met during high temperature operating conditions. Modules are then ready to accept data files for your model and horsepower requirements.

PRICES OR SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

M50-18-1



MACKMART™

* **CAUTION** - The 12MS45M4X and 12MS45M5X are **interchangeable** as long as they are programmed as follows:

If replacing a 12MS45M5 with a 12MS45M4X, reprogram the vehicle as a **M4**

If replacing a 12MS45M4 with a 12MS45M5X, reprogram the vehicle as a **M5**

The 12MS45M4's cannot be converted to a M5.

Do not attempt to reprogram a 12MS45M4X as a M5

Or vice versa as this could cause damage to the module.

Special Note:

If your engine is 1994 or newer and the horsepower is 400 or less, you can update to V-MAC II with kit #215SB224, which is available from your PDC. Reference Mack Service Bulletin # SB230001.

Ordering Instructions:

Place orders directly with the Distribution Center Serving your Area.

Core Returns:

Like for like core returns are necessary to insure full credit. **Modules must be returned in the original boxes as received. Any damage due to improperly packaged modules will result in a loss of core credit.**

Cores may be returned with other components to meet the 500 lbs. minimum, freight collect policy.

Cores should be returned to the Middletown Remanufacturing Center, 2800 Commerce Drive, Turnpike Industrial park, Middletown, PA 17057.

Freight:

Freight on Remanufactured Modules is prepaid outbound from the REMACK Center **only** (contiguous USA). Freight coming from the distribution centers is subject to their freight policies.

Weight:

4 lbs.

Core Part Numbers:

CNX12MS45

C12MS51M7

C12MS59M11

C12MS517