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| Date: | June 20, 2023 |
| Bulletin No: | TSB4084 (rev.2) |
| Models: | MS7 / M128R / M105HD starter motor range |
| Subject: | Supersession of MS7 starter motor to M128R / M105HD range |
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MS7 TO M128R SUPERSESSION

The MS7 range is being discontinued and where possible Prestolite are developing and releasing replacement product in the new M128R and M105HD starter motor ranges for OE customers and for the general aftermarket.

Due to the complexity and varied application types, we have 3 categories of replacements, with associated product limitations.

1. Single application, diesel engines
2. Single application, gas engines.
3. Dual application, diesel and gas engines

1. SINGLE APPLICATION, DIESEL ENGINES

On the single starter diesel engine applications, the standard M128R can be used as a replacement.

Below are the suggested replacements.

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| MS7-300A > | M128R3839SE |
| MS7-301A > | M128R3850SE |
| MS7-403 > | M128R3817SE |
| MS7-412A > | M128R3833SE |
| MS7-501A > | M128R3837SE (single, diesel only. See below for dual or gas) |
| MS7-502A > | M128R3803SE (single, diesel only. See below for dual or gas) |
| MS7-505A > | M128R3837SE (single, diesel only. See below for dual or gas) |
| MS7-506A > | M128R3803SE (single, diesel only. See below for dual or gas) |
| MS7-509A > | M128R3837SE (single, diesel only. See below for dual or gas) |
| MS7-510A > | M128R3803SE (single, diesel only. See below for dual or gas) |

2. SINGLE APPLICATIONS, NATURAL GAS ENGINES

Natural gas engine starting cycle is more demanding than diesel, and therefore Prestolite are developing special starter motors, specifically for natural gas applications.

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| MS7-303A > | M105HD3803SER |
| MS7-305A > | M105HD3804SER |

3. DUAL APPLICATIONS, DIESEL & NATURAL GAS ENGINES

Dual start applications require the starter motors to communicate with each other to ensure both starters function in tandem. This ensures optimal operation and longevity of the starter motor package. Dual starter applications require a special starter to starter wiring harness, the length to be determined by the specific application.

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| MS7-300A > | M128R3839SE / M128R3845SE |
| MS7-301A > | M128R3850SE / M128R3852SE (Cummins dual) |
| MS7-501A > | M128R3824SER |
| MS7-502A > | M128R3823SER |
| MS7-505A > | M128R3824SER |
| MS7-506A > | M128R3823SER |
| MS7-509A > | M128R3824SER |
| MS7-510A > | M128R3823SER |
| HARNESS > | MTU P00272 |
| | CAT P00273 |
| | Cummins P00271 |

NOTE: Do not mix MS7 and M128R type starters on dual applications. Must use 2x MS7 or 2x M128R

Some application might require the adjustment of nose housing position or the control relay position, or both.

Please contact your regional sales manager for any queries about MS7 starter replacement.

Important: The information contained in this bulletin is intended for use by trained, professional technicians who have the proper tools, equipment, and training to perform the required maintenance described above. This information is NOT intended for 'do-it-yourselfers', and you should not assume that this information applies to your equipment. If you have any questions regarding this information please visit our website <https://bermantec.com>, or contact our technical service department at: