

Subject

Identifying VR140-VR150 Clutch for Replacement

System or Parts affected

Underhood VR140 / VR150 – Compressor Serial Number starts with P140xxxxxxx.

Overview

- As of June 2016, the original design clutch for VR140 / VR150 (VMAC P/N: P200039) is no longer available.
- P/N: P200039 has been superseded by the new P/N: P200050.
- P/N: P200050 is not backwards compatible to the original (old style) compressor front gear case.
- A700234 FRONT GEAR CASE RETROFIT KIT is available to retrofit compressors from the old-style clutch to the new clutch if a replacement clutch is required.

NOTE *The A700234 FRONT GEAR CASE RETROFIT KIT will only fit aluminum case compressors. This kit will not fit VMAC's early steel case compressors. In the event of clutch failure on a steel case compressor, compressor replacement is required.*

- Once the A700234 kit has been installed, the new style P200050 clutch will be all that is required.

Identifying the clutch and choosing replacement parts

Obsolete clutch with 4 bolt stator mount (P/N: P200039):

- The P200039 is identifiable by the 4 bolts holding the clutch stator to mounting points on the front gear case cover of the compressor. See Figure 1.

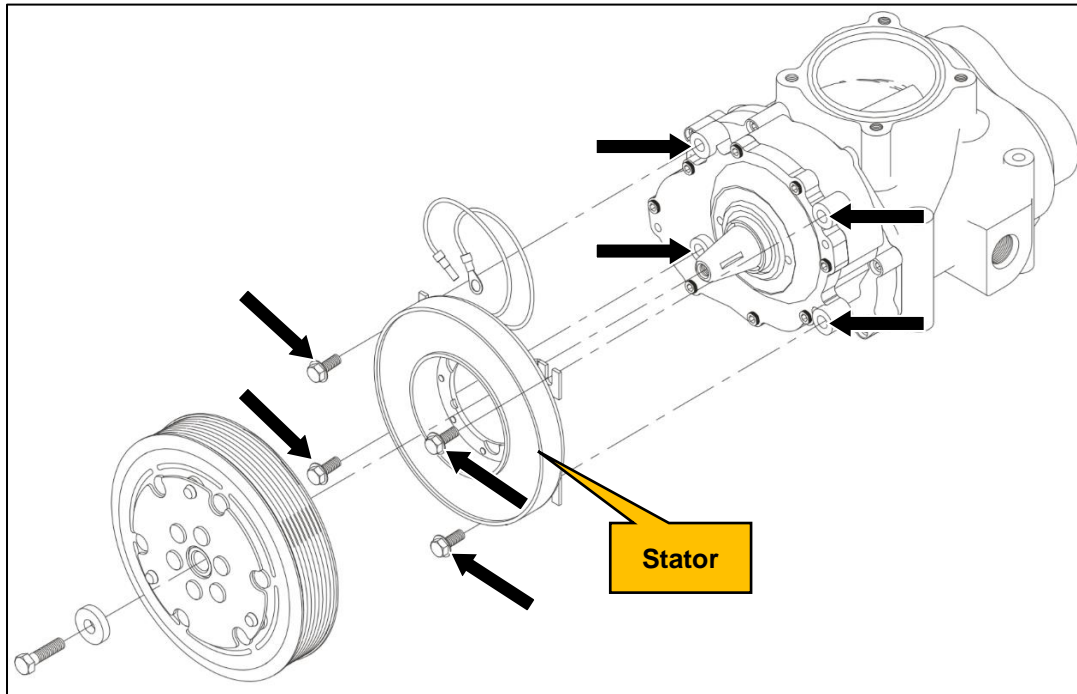


Figure 1

If a replacement clutch is required for a VR140 or VR150 with the old-style clutch, order kit number A700234, which contains the new-style P200050 clutch and an updated front gear case cover assembly.

| Document | Version | Department | Revision Details | Revised by | Tech | Engineering | Implemented |
|------------|---------|------------|---------------------------|------------|------|-------------|--------------|
| EXT-VR-018 | C | Tech | Format update, added Note | BDJ | MSP | N/A | 19 July 2018 |

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New-Style P200050 clutch with 3 bolt stator mount:

- The new design P200050 clutch is fastened to the compressor gear case using 3 bolts inside the clutch stator. These bolts are not visible when the clutch is assembled. See Figure 2.

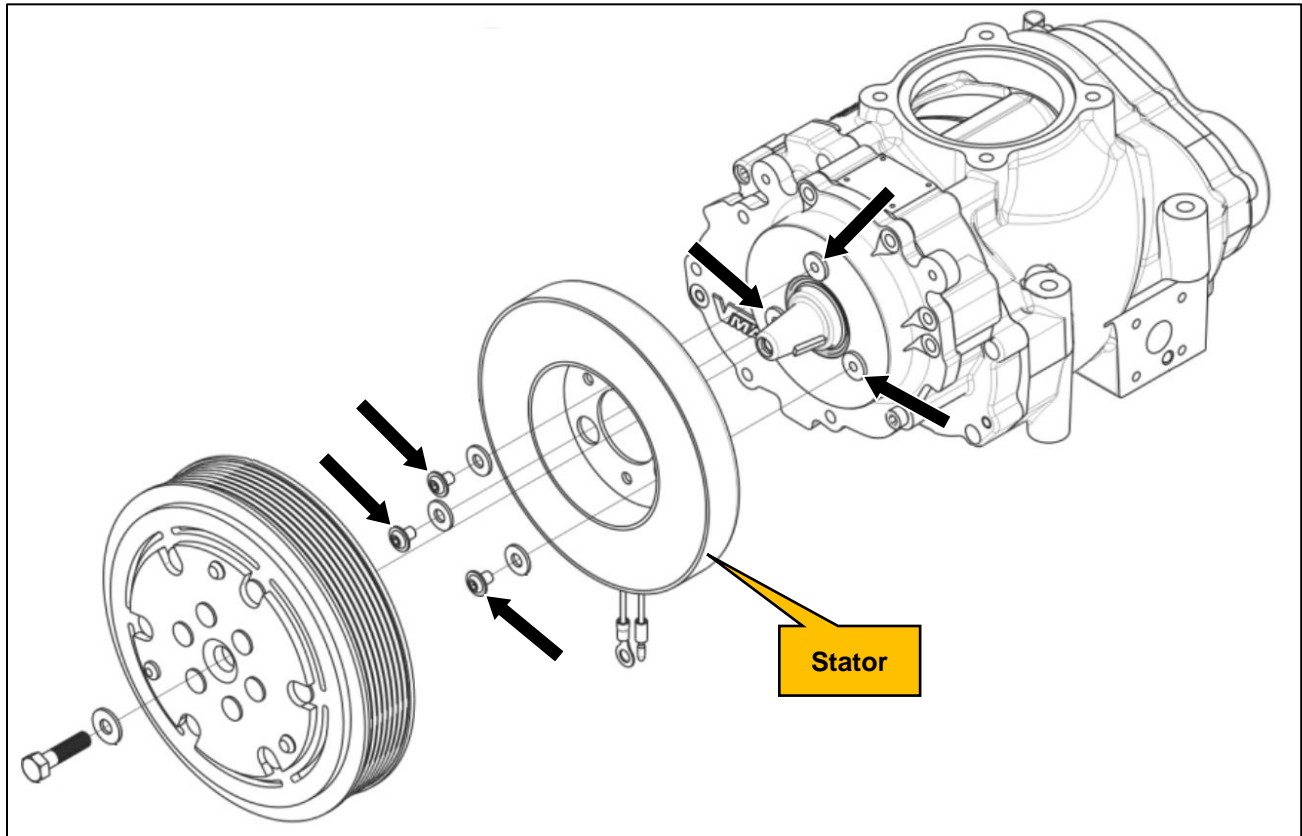


Figure 2

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