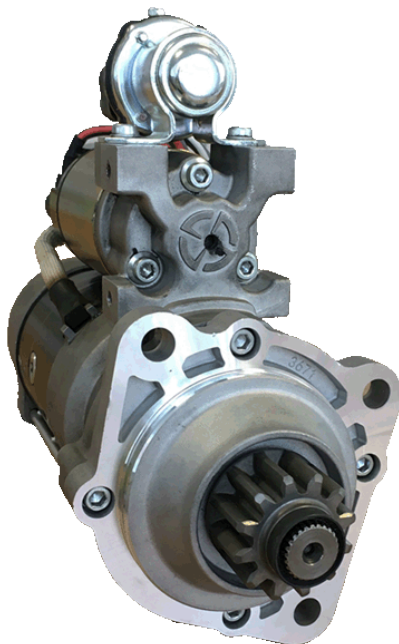


Source:	Prestolite Electric Ltd - Greenford, London, UK
Date:	May 30, 2019
Bulletin No:	TSB4074 rev.1
Models:	MERCEDES starter motor VM100R3501SE
Subject:	STARTER MOTOR COMPATIBILITY

COMPATIBILITY OF VM100R3501SE STARTER MOTOR ON MERCEDES APPLICATIONS

The VM100R3501SE is a Prestolite equivalent of Mitsubishi M009T66971 / M009TD0571Z starter motor.
The Prestolite VM100R3501SE provides a more powerful motor, 24V / 7.0kW vs Mitsubishi 24V / 5.5kW
The Prestolite VM100R3501SE also offers a rotateable nose housing and control relay.



The VM100R3501SE has a 12 tooth pinion with an offset of 1.7mm which is 100% compatible with the Mitsubishi M009T66971 13 tooth pinion with an offset of 3.2mm.

Please see below for explanation of offset and compatibility.

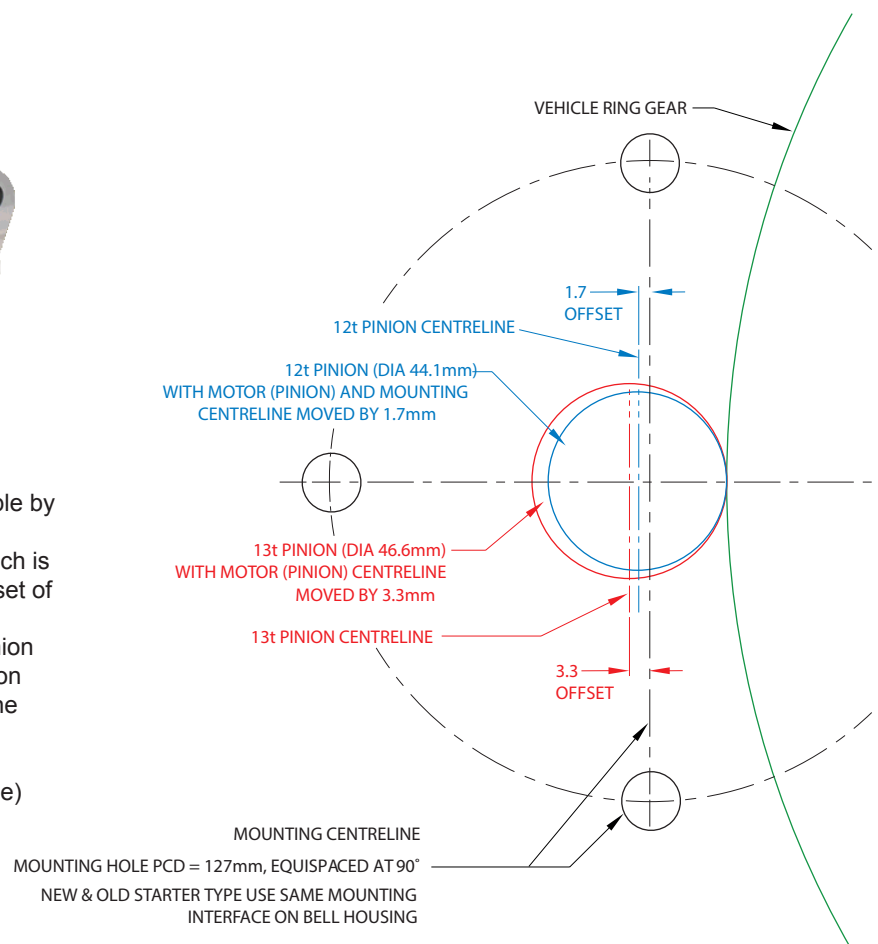
OFFSET EXPLAINED

The 12t vs 13t compatibility is made possible by the variance in offset.

The Mitsubishi uses a larger 13t pinion which is moved away from the ring gear with an offset of 3.2mm.

The VM100R3501SE has a smaller 12t pinion and a reduced offset which moves the pinion closer to the ring gear to compensate for the difference in pinion size.

The pinion module (teeth profile is the same) allowing for 100% meshing / compatibility.



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 at www.prestolite.com, or contact our technical service department at: