



M7 Speed
Ultimate MINI Performance

M7 Speed
PO Box 3785
 Mooresville, NC 28117
888-438-5767

M7 16% Supercharger Pulley

Thank you for purchasing the M7 16% Supercharger Pulley. We're sure that you're going to enjoy the increased performance from this product!



M7 Speed engineers and manufactures the highest quality and best fitting Mini Cooper accessories and performance parts available anywhere on Planet Earth! Please inspect your parts when you receive them to verify everything is included and no damage has happened during shipment. Read these instructions completely BEFORE attempting to install this product. If you are not confident you can do the work described or do not have the tools or skills necessary please contact a local M7 dealer (listed on our website www.m7speed.com) or a local MINI repair shop or automotive accessory installation center to perform this work. We acknowledge not everything is perfect but we work very hard every day to improve our products and make installations easier. If you have any comments please contact M7 Customer Service directly at 704-663-0094. We encourage and welcome all criticism Good or Bad. Thank you.

CAUTION: Please note that professional installation is highly recommended for this product. The engine must be raised to expose the supercharger and drive pulley. This installation document is only a basic procedure for installing the pulley on the supercharger only - once the factory pulley is removed.



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The M7 16% Supercharger Pulley is a two-piece product consisting of an aluminum main pulley body and a steel taper locking hub.

1. Remove the stock pulley. A special puller tool will be needed to complete this step.
2. Clean the supercharger shaft with Scotchbrite or 600+ grit sandpaper-Ensure no burrs are present on the supercharger shaft.

NOTE: To separate the pulley from the locking hub read the Disassembly Instructions at the end of this document and included with your pulley.

3. Assemble the M7 supercharger pulley body and black tapered hub together by aligning the four threaded holes in the hub with the four through holes in the pulley and loosely install the four supplied #10-32 x 7/8 long screws and lock washers. **DO NOT TIGHTEN!**
4. Trial fit everything and verify alignment to the lower crankshaft pulley. Maintain a 0.03" (0.8mm) MINIMUM gap between the black hub and the supercharger shaft seal.
5. If you are confident in the fit and placement of the pulley assembly and you trial fit the pulley it is recommended a drop of blue Loctite is placed on the starting threads of the four (4) supplied #10-32 screws at final assembly.
6. Slide the M7 Pulley assembly onto the pulley shaft.
7. Before tightening the screws, verify the supercharger pulley alignment with the lower crank pulley. Maintain a 0.03" (0.8mm) MINIMUM gap between the black hub and the supercharger shaft seal.
8. Tighten the 4 screws down evenly so that the collar draws up square. Tighten using the following procedure.
 - a. 10 in-lbs (1.1 Nm)
 - b. 30 in-lbs (3.4 Nm)
 - c. 50 in-lbs (5.6 Nm) FINAL TORQUE
9. Recheck that the pulley grooves are aligned top and bottom so the belt tracks straight.

DO NOT OVER-TORQUE THE SCREWS!

If you have any questions or concerns, don't hesitate to call our office Monday – Friday, 8am—5pm EST. Or e-mail us techsupport@m7speed.com



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Separation Holes (2)

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Disassembly Instructions

To separate the black tapered hub from the pulley remove the 4 clamp bolts. Install one #10-32 x 1 ¼" long screw into EACH of the 2 separation holes and evenly screw down ½ turn on each screw until the hub separates from the gold pulley body.

Failure to follow these directions will damage the pulley and void the product warranty.