



HYDE MOTOR WORKS

The Original Roots Supercharger Project for BMW's

80MM SC14 Pulley

Installation Guide

This is a quick installation guide written by a long term HMW fan and V2 supercharger setup user, Tom Runagall from Essex, UK. We endorse it and published it as a source for general public knowledge with regards to the installation of the Hyde Motor Works 80mm Pulley meant for the SC14 Supercharger. Our disclaimer below applies, kindly use this guide at your own desecration.



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1. Press bearing into pulley.

Note on bearing: the HMW 80mm Pulley requires a NSK 30x52 bearing on Type 1 SC14 and a NSK 40x52 bearing on Type 2 SC14. This part is included. Please also refer to the V2.1X installation guide.

2. Remove cross face clutch disk and existing pulley. (no pics of cross face removal)



3. Cut metal magnetic disks off of cross face clutch. So, you are left with just the cross moulded part.



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4. Drill out the 4 rivets in the middle and with a screwdriver pry away the small cross and splined centre until you are left with just the small splined cross. As shown in pics below.



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5. Then drill the holes out and loosely bolt to the HMW 80mm pulley.



6. Carefully slide the pulley on the supercharger shaft and push the bearing over the bearing sleeve and make sure all is sitting straight and right. Then tighten the 4 bolts.
7. Tighten the main drive nut, but do not over tighten or over torque. That can cause the threaded stud portion to shear off under load.
8. Install the drive belt and enjoy.

