



Product number: DH-MMS-ATC34

Complete Twin Cam - 34 tooth Motorsprocket

Product number: DH-MMS-ATC32

Complete Twin Cam - 32 tooth Motorsprocket

Product number: DH-MMS-AM834

Complete Milwaukee 8 - 34 tooth Motorsprocket

Model Fitment

2007-2016 Twin Cam Engines

2017-2020 Milwaukee 8 Touring models

Additional Parts required:

-Primary cover gasket

-Recommend Primary Grade Oil

Special Tools Required:

-Primary Locking Tool

-Darkhorse Products sprocket shaft run out tool available at Darkhorsecrankworks.com (optional)

-Darkhorse Products Cushion Install Tool available at Darkhorsecrankworks.com(optional)

*******Warning!*******

The rider's safety depends upon the correct installation of this kit. Use the appropriate service manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, have a trained motorcycle technician perform the installation. Improper installation of this kit could result in death or serious injury.

Removal

1. To prevent accidental vehicle start-up, which could cause death or serious injury, disconnect the battery, removing the negative cable first.
2. After disconnecting the battery remove drive components as outlined in the factory service manual.

Motorsprocket Installation

Instructions version 20.1

Before beginning install read and understand all processes.

1. We recommend first and foremost to inspect sprocket shaft run out.
2. This can be achieved by using (Spk runout tool part #). If there are questions on runout measuring see www.darkhorsecrankworks.com for a video of proper procedure on inspecting runout..
3. Our recommended runout allowed is .010 in. maximum.
4. If the runout is within specifications proceed as follows. If there is more then allowed runout we recommend contacting Darkhorse Crankworks for service options.
5. The product will be completely assembled and should not be dis-assembled prior to install.
6. We recommend installing the clutch basket and the sprocket assembly using the original compensator bolt and clutch nut torqued to 20 ft/lbs ***for alignment test only**
7. Place a straight edge against the sprocket on the motorsprocket and the clutch hub sprocket and make sure there is no more than .025 in. difference in alignment.
8. Once alignment of sprockets are verified, remove sprocket and clutch assembly and install chain and both drive components simultaneously with the chain adjuster still removed.
9. Verify that the threads are clean on sprocket bolt and prime, install using Loctite Thread Locker 262 Red. Torque the bolt to 140 ft/lbs.
10. Follow the service manual to install the remaining primary components. *32 tooth sprockets will need primary chain adjuster revision to take up additional chain slack. See website for options
11. Our recommended setting of autochain tensioner should be set with 5/8" to 7/8" cold chain deflection.
12. Proceed with the service manual for completing installation.
13. Go for a ride and repeat.