



DriveGuardian Bravo Installation Instructions

Preparing for Installation

DriveGuardian replaces the factory coupler that is mounted to the flywheel so it will need to be removed prior to installation. Please see your engine manufacturer's instruction manual for directions on how to gain access by removing the driveline/transmission & bellhousing.

Installation and Alignment

DriveGuardian installation requires that the engine alignment be very precise. Any misalignment will make installing the drive difficult and must be corrected. Attempting to install the drive using force or by tightening the bolts to draw it on will cause damage to the coupler and/or gimbal bearing and will void the warranty.

1. Be sure the mating surface of the flywheel is clean. Please note that DriveGuardian cannot be installed on an aluminum flywheel without modification to clear the crankshaft bolts. Please contact Marine Design Corporation with any questions or to arrange having the unit machined to fit.
2. DriveGuardian is attached to the flywheel using (6) shouldered bolts to ensure alignment with the crankshaft. Be sure to use the OEM bolts and washers from the stock coupler or alternatively use ARP Pressure Plate Bolts part number 130-2201 that can be obtained at most performance automotive outlets.
3. Using a crisscross pattern, incrementally tighten the six mounting bolts. Once seated they should be torqued to 35 ft-lbs.
4. Apply spline grease to the input shaft of the drive. The grease will not be able to reach the clutch plates.
5. When installing the drive it should slide on with minimal force. The coupler end of the Mercury alignment tool is significantly smaller than the I.D. of the stock coupler and DriveGuardian so it is possible that the alignment tool will fit but the drive does not slide all the way on. If this occurs then the alignment needs to be adjusted until the drive can be easily installed.



Manufacturer Warranty

THE MANUFACTURER OF THIS PRODUCT HAS PROVIDED YOU, THE END USER AND BUYER WITH A ONE YEAR WARRANTY FOR PRODUCT DEFECTS NOT OTHERWISE CAUSED BY YOU. THIS WARRANTY IS IN LIEU OF ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE NOT EXPRESSLY SET FORTH HEREIN AND IS, IN FACT THE ONLY WARRANTY OFFERED BY THE MANUFACTURER. MANUFACTURER SHALL IN NO WAY BE LIABLE FOR ANY LOSSES, TIME EXPENSES, INCONVENIENCE, OR INCIDENTAL, SPECIAL, PUNITIVE AND/OR CONSEQUENTIAL DAMAGES. THE PARTY'S EXPRESSLY AGREE THAT MANUFACTURER SHALL ONLY BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF THE PRODUCT TO THE EXTENT IT IS FOUND TO BE DEFECTIVE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THIS WARRANTY. BUYER WAIVES ANY RIGHT TO CLAIM ANY OTHER LOSSES OR CLAIMS FOR DAMAGES. THIS WARRANTY DOES NOT COVER AND SPECIFICALLY EXCLUDES WATER DAMAGE AND/OR FAULTY INSTALLATION. IN ADDITION, IF THE PRODUCT IS OPENED AND/OR THE SEAL TO THE PRODUCT IS OTHERWISE BROKEN, THE WARRANTY SHALL BE VOID AND OF NO EFFECT.

THE BUYER'S PURCHASE OF THE PRODUCT, AGREEMENT, AND WARRANTY SHALL BE GOVERNED BY AND CONSTRUED UNDER THE LAWS OF THE STATE OF ILLINOIS AND ANY DISPUTES UNDER THIS AGREEMENT SHALL BE LITIGATED EXCLUSIVELY IN FEDERAL OR STATE COURTS LOCATED IN COOK COUNTY, ILLINOIS. THE SELLER SHALL BE ENTITLED TO RECOVER FROM BUYER ITS REASONABLE COSTS AND ATTORNEYS' FEES RELATED TO ANY LAWSUIT OR CLAIM BY AND/OR BETWEEN BUYER AND SELLER.