



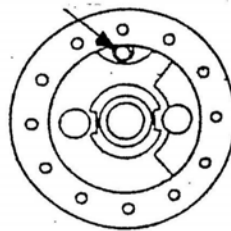
## INSTALLATION INSTRUCTIONS and WARRANTY

**MOROSO NO. 83000** - BRUTE STRENGTH DIFFERENTIAL - 1965 AND LATER GM CARS WITH 12-BOLT TYPE REAR USING 30-SPLINE AXLES.

Moroso "Brute Strength" differentials should be installed in the same manner as conventional GM Positraction unit. Refer to a Chevrolet service manual for complete procedure. Use only Moroso Climbing Gear Lube Part No. 34800 or GM 1052271 Positraction Lubricant. Other lubricants may cause an extreme chattering condition. Some chatter may occur in street-driven cars due to the extremely high spring preload on the clutch packs. Chattering may persist due to the high forces involved and should not be considered abnormal.

An interference problem will be encountered with installing the No. 83000 pinion cross-shaft with certain differential gear ratios. Do not mill, grind or otherwise modify the cross-shaft. Any alteration to this shaft will drastically weaken the unit, and void the warranty. Proper clearance for the cross-shaft can be obtained by grinding down a ring tooth so the shaft can pass by it. Careful grinding (be sure to chamfer the edges) will not damage or weaken the ring gear. Tests indicate that up to .135" can be removed from a gear tooth with no ill effects.

**NOTE:** The bolt shown here must be tightened to a 20-30 ft. lbs. torque.



**WARNING:** USE ONLY MOROSO CLIMBING GEAR LUBE NO. 34800 OR GM POSITRACTION LUBRICANT NO. 1052271. FAILURE TO USE EITHER OF THESE LUBRICANTS WILL VOID WARRANTY. ALL DEFECTIVE UNITS MUST BE RETURNED DIRECTLY TO "MOROSO PERFORMANCE PRODUCTS".

**For Technical Assistance, Call Moroso's Tech Line at  
(203) 458-0542, 8:30am – 5:00pm Eastern Time**

MOROSO PERFORMANCE PRODUCTS, INC  
80 CARTER DR • GUILFORD, CT 06437-2116  
Phone: (203) 453-6571 • Fax: (203) 453-6906

For 90 days from the date of purchase, all Moroso Brute Strength differentials No. 83000 are under special limited warranty. To validate this warranty, the registration card must be filled out and returned within 10 days of the purchase date. **(NOTE: THE REGISTRATION/WARRANTY CARD IS PACKAGED WITH THIS PART.)** The warranty is for properly registered differentials No. 83000, which have been returned to Moroso for inspection, freight prepaid along with a detailed description of the nature of the defect and the Quality Control Number printed on the warranty card are found. Moroso Performance Products, Inc. will repair or replace, at no charge, any No. 83000 differentials that fails under warranty conditions during the first ninety days.

After the ninety day warranty period, repairable No. 83000 differentials will be subject to a service charge and a handling fee determined by the nature of the defect after inspection.

**THIS WARRANTY IS IN LIEU OF ANY OTHER EXPRESSED OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS, AND OF ANY OBLIGATION ON THE PART OF MOROSO PERFORMANCE PRODUCTS, INC. THIS WARRANTY DOES NOT COVER DAMAGE TO ENGINE OR OTHER PARTS, LABOR, PERSONAL INJURY, DAMAGE OR FAILURE OF THE DIFFERENTIAL THROUGH NEGLECT OR ABUSE, OR ANY OTHER DAMAGE OR INJURY.**

If there are any questions or problems during installation or use, please refer to the quality control number packaged with the product. Use this number in all correspondence with us.