

# GM TORSION BAR UNLOADING TOOL

Item Number W83026

## OWNER'S MANUAL



Performance Tool®

### ▲ WARNING

*It is the owner and/or operators' responsibility to study all WARNINGS, operating, and maintenance instructions contained on the product label and instruction manual prior to operation of this tool. The owner/operator shall retain product instructions for future reference.*

*The owner and/or operator are responsible for maintenance, maintaining all decals or warning labels and while in use, maintaining the unit in good working order. If the owner and/or operator are not fluent in English, the product warnings and instructions shall be read and discussed with the operators' native language by the purchaser/owner or his designee. Make sure that the operator comprehends its contents. Safety information shall be emphasized and understood prior to usage. The tool shall be inspected per the operating instructions.*

*Users of this tool must fully understand these instructions. Each person operating this product must also be of sound mind and body and must not be under the influence of any substance that might impair their vision, dexterity, or judgment. Protect yourself and others by observing all safety information.*

*Failure to comply with instructions could result in personal injury and/or property damage!*

*If you encounter any problems or difficulties, please contact our customer service department at: 1-800-426-1262 between 6:30 a.m. and 4:30 p.m. Pacific time.*

**PT**  
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Please read these instructions carefully and retain them for future use.

On occasion, after printing of our literature is completed, our manufacturers may make changes and/or modifications to merchandise which will not be reflected in this manual. Although we strive to maintain complete and accurate information, it is possible in some instances, that the product may differ slightly from printed specifications. Illustrations are intended for reference only. Actual merchandise may vary. Willmar is not responsible for typographical errors.

## COMPATIBILITY

GM, GMC, and Chevrolet Torsion Bar unloader. Also fits some Ford and Dodge vehicles, consult your shop manual for applications.

1982 - 2004 CHEVROLET S10 BLAZER 4.3L ENGINE 4WD  
1982 - 2004 GMC S15 JIMMY 4.3L ENGINE 4WD  
1991 - 2001 OLDSMOBILE BRAVADA 4.3L ENGINE 4WD  
2002 - 2006 Cadillac Escalade  
2003 - 2006 Cadillac Escalade ESV  
2002 - 2006 Cadillac Escalade EXT  
2002 - 2006 Chevrolet Avalanche 1500  
2002 - 2006 Chevrolet Avalanche 2500  
1988 - 1999 Chevrolet K1500  
1999 - 2007 Chevrolet Silverado 1500  
2001 - 2003 Chevrolet Silverado 1500 HD  
2005 - 2007 Chevrolet Silverado 1500 HD  
2001 - 2010 Chevrolet Silverado 2500 HD  
2001 - 2007 Chevrolet Silverado 3500

**Specifications are subject to change without notice**

2007 - 2010 Chevrolet Silverado 3500 HD  
2000 - 2006 Chevrolet Suburban 1500  
2000 - 2010 Chevrolet Suburban 2500  
2000 - 2006 Chevrolet Tahoe / 1988 - 1999 GMC K1500  
1999 - 2007 GMC Sierra 1500  
2001 - 2003 GMC Sierra 1500 HD  
2005 - 2007 GMC Sierra 1500 HD  
2001 - 2010 GMC Sierra 2500 HD  
2001 - 2007 GMC Sierra 3500  
2007 - 2010 GMC Sierra 3500 HD  
2000 - 2006 GMC Yukon  
2000 - 2006 GMC Yukon XL 1500  
2000 - 2010 GMC Yukon XL 2500  
2003 - 2009 Hummer H2

## OPERATION

### FRONT TORSION BAR ADJUSTMENT ARM ("TORSION KEY") REPLACEMENT

**▲WARNING:** Be extremely careful when loading or unloading the torsion bars. There is a tremendous amount of stored energy (load pressure) in the bars. Keep your hands & body clear of the adjuster arm assembly & puller tool in case anything slips or breaks. Use caution during the following steps to avoid personal injury and/or damage to vehicle. Only use the proper tools to unload/load torsion bars while performing these installation.

1. Measure and record the factory adjustment bolt settings. This information will be helpful if the vehicle is ever returned to stock settings. Also mark the position of the torsion bars at the lower control arm. This is helpful if the bars are removed or replaced.
2. Install Torsion Bar Unloading/Loading Tool W83026, to the adjustment arm and cross member as pictured in figure 1. This process is also described in many factory service manuals.
3. Increase the tension on the adjustment arm, (key) by turning the torsion tool screw clockwise. Continue until the load is removed from the adjustment bolt and the adjuster nut. Figure 2.
4. Remove the adjustment bolt and the adjuster nut shown in figure 2.
5. Reverse the direction and release the tension from the unloader tool screw. Remove the unloading tool when zero pressure is present. This will allow the key to be removed as well as the torsion bar.
6. Remove the adjustment arm, (key) by sliding the torsion bar forward until the torsion bar clears the adjustment arm. DO NOT remove the torsion bars completely from the lower control arm unless you're replacing them. Use your hand to support the adjustment arm as the adjustment arm releases from the torsion bar.
7. Replace any needed parts, use the marks put on the original items as reference.
8. While supporting the adjustment arm, slide the torsion bar rearward until the torsion bar fully engages the adjustment arm, (key).
9. Install the unloading tool on the adjustment arm and the cross member. Increase the tension on the adjustment arm in order to reload the torsion bar.
10. Install the adjustment bolt and the adjuster nut. Tighten the adjustment bolt until slack is gone and firmly engaged with adjustment arm, (key).
11. Release the tension on the torsion bar until the adjustment bolt takes up the load, remove the unloading tool.
12. Repeat the steps above to replace other torsion bar adjustment arm.

