



201 WEST BEACH AVENUE • INGLEWOOD, CA 90302
310-671-4345 • FAX: 310-671-0858
WWW.YOURCOVERS.COM
INFO@PMLI.COM

Information is for reference only. Installer should verify differential, fitment, and capacity based on the individual vehicle.

PML Inc. assumes no liability expressed or implied, for damage or injury to persons or property.

DANA 44 DIFFERENTIAL COVER

ADDITIONAL INSTALLATION NOTES

Dana 44 differentials have been in production since the 1940s and have been used in many forms in many vehicles. PML offers several covers for Dana 44 differentials to accommodate a variety of applications.

The installer must check to be sure that contact between your new differential cover and other parts of your vehicle will not occur and that the differential is properly filled.

Compare the PML aftermarket differential cover to the stock setup:

- Check that the **shape, size and number of bolts** match.



For example, the above cover on a Grand Cherokee is a Dana 44/C213 and has 12 bolts so a replacement cover must have 12 bolts and be the same shape. (There is also a clearance issue with the bar.)

- Check for **clearance** as the PML cover is larger than the stock cover. Look for any interference from sway bars, spare tires, frame cross members, steering linkage, suspension and the like. Check when at the limits of the suspension and for front differentials when the wheels are all the way to the left and right.



As shown in this picture, the sway bar on this 2008 Jeep Rubicon would hit a larger aftermarket cover if the Jeep was not lifted. Once lifted, this JK had plenty of clearance for the larger PML cover.



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- Check the **intended use**. PML covers are aluminum. Rock crawlers use aftermarket covers made of cast steel or iron. PML uses aluminum for the heat dissipation property. Do not use a PML cover for rock crawling or similar applications.
- Check for the **fill/level check location**. If the PML location is higher or lower than the stock location, the differential may have too much or not enough fluid.



For example, the PML cover on the right has LOWER fill location than the stock cover on the left. This PML cover will NOT work as a replacement for this stock cover.

- Check for a **vent**. The PML cover does not have a vent and will not work on applications that need a vent on the differential cover.
- Check the **axle rotation**. PML covers are not designed to work on vehicles where the gasket surface is not perpendicular to the ground. We have seen this on 2009 and newer GM and Jeep front ends.



The axle is rotated as shown in this picture of a 2009 Wrangler. A PML cover will not work for these applications.



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The graphic below shows a comparison of the capacity between a new stock cover, PML part number 9516 (top fill Dana 44 cover) and PML part number 5055 (front fill Dana 44 cover):

