

GEN III/IV CHEVROLET SMALL BLOCK TO NISSAN FRONTIER/XTERRA/NAVARA/PATHFINDER TITAN/ARMADA SWAP ENGINE MOUNTS



INSTALLATION INSTRUCTIONS

Rev - OCT 2021

!!NOTICE!!

LOJ CONVERSIONS CORP HAS PREPARED THESE INSTRUCTIONS TO MAKE YOUR PRODUCT INSTALLATION AS SIMPLE AND HASSLE-FREE AS POSSIBLE. INSTALLATION ISSUES EXPERIENCED AS A RESULT OF NOT FOLLOWING THESE INSTRUCTIONS ARE THE SOLE RESPONSIBILITY OF THE USER.

!!WARNING!!

THE USER OF THIS PRODUCT ASSUMES ALL LIABILITY FOR ANY DAMAGES TO PERSONAL OR PUBLIC PROPERTY RESULTING FROM THE USE OR MISUSE OF THIS PRODUCT. ANY INJURIES SUSTAINED BY THE USER AND/OR ANY OTHER INDIVIDUALS ARE ALSO THE SOLE RESPONSIBILITY OF THE USER. MOTORSPORTS ACTIVITIES ARE INHERINTLY DANGEROUS AND LOJ CONVERSIONS CORP CAN NOT BE HELD RESPONSIBLE FOR ANY INCIDENTS RESULTING FROM THE USE OR MISUSE OF THIS PRODUCT.

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Compatible Vehicles:

- 2005-2015 Nissan Xterra 2WD/4WD VQ40DE Manual or Auto Transmission (D50)
- 2004-2015 Nissan Frontier 2WD/4WD VQ40DE Manual or Auto Transmission (D40)
- 2004-2015 Nissan Navara 2WD/4WD VQ40DE Manual or Auto Transmission (D40)
- 2008-2012 Suzuki Equator 2WD/4WD VQ40DE Manual or Auto Transmission (D40)
- 2003-2015 Nissan Titan 2WD/4WD VK56DE Automatic Transmission (A60)
- 2004-2016 Nissan Armada 2WD/4WD VK56DE Automatic Transmission (TA60)

BEFORE YOU BEGIN:

Please ensure that all of the components required for your installation have been included in your package. This includes:

- RH and LH Engine Mount Brackets
- Qty. 8 Engine Mount Bracket to Engine Block Bolts
- Qty. 2 Engine Mount Bracket to Bushing Bolts w/ Nuts and Washers
- Qty. 2 (Or 4) Billet Spacers
 - Short Spacers (Approx 3/8" Thick) are for VQ40 Frontier / Xterra / VQ40 Navara / VQ40 Pathfinder and are installed between the bottom of the stock bushing and the engine mount bracket.
 - Tall Spacers (Approx 7/8" Thick) are for VK56 Titan / VK56 Armada and are installed between the top of the stock bushing and the engine mount bracket.

Other parts that you will need, available separately from LOJ Conversions:

(Qty 2) – VQ40 OR VK56 Engine Mount Bushings (depending on application)

Installation Instructions:

Note the sticklers on the engine mount brackets. They determine LH and RH position (sitting in vehicle) and forward orientation.

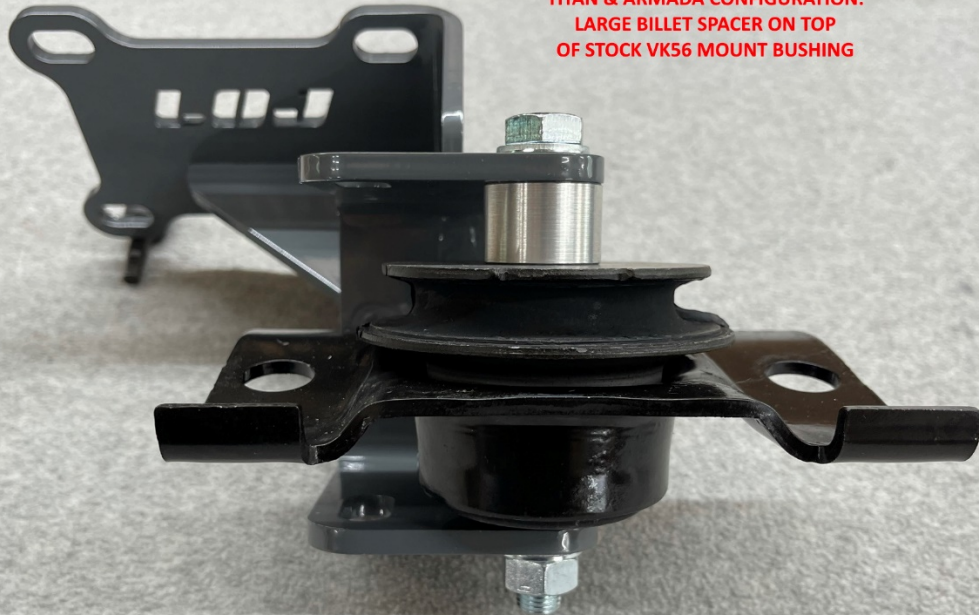
- A. If you are installing the engine using a complete LOJ swap kit intended to adapt to the stock VQ40 Manual Transmission or with a 6L80 transmission adapted to the stock Nissan transfer case, your engine mount brackets will bolt to the engine mount bushings using the REAR hole in the engine mount bracket. This position will allow the stock transfer case and driveshafts to be reused in all 4WD applications and in the stock V6 RWD Manual application. This greatly reduces cost in performing the swap.
- B. If you are installing your engine using any other transmission, if the vehicle is RWD, or if you're going for a custom setup, you can install the engine using the FRONT holes on the engine mount bracket. This will move the engine to the rear approximately 46mm (1.8") which will give more clearance in front of the engine for accessories, fans, etc., but will require custom transmission mounting and is not compatible with the stock transfer case and driveshafts.

**FRONTIER NAVARA XTERRA & PATHFINDER CONFIGURATION:
SMALL BILLET SPACER ON BOTTOM
OF STOCK VQ40 MOUNT BUSHING**



****STOCK BUSHING NOT INCLUDED WITH ENGINE MOUNT BRACKETS**

**TITAN & ARMADA CONFIGURATION:
LARGE BILLET SPACER ON TOP
OF STOCK VK56 MOUNT BUSHING**



****STOCK BUSHING NOT INCLUDED WITH ENGINE MOUNT BRACKETS**