

CALVINI PRODUCTS

M A N U F A C T U R I N G



NP16502
FRONT CROSSMEMBER KIT
NP16502/16503/16504/16505/16506
HARDBODY/PATHFINDER

Front Crossmember
2 - 7/16" x 4" G8 Bolts
4 - 7/16" SAE G8 Washers
2 - 7/16" Stover Nut
Transmission Crossmember
Rear Crossmember

2 - 7/16" x 3.5" G8 Bolts
4 - 7/16" SAE G8 Bolts
2 - 7/16" Stover Nut
2 - 1/4" x 3/4" Bolt
4 - 1/4" Flat Washer
2 - 1/4" Nylock Nuts

INSTALLATION INSTRUCTIONS

These instructions will cover the installation of the CALMINI Cross-member Kit. It is recommended to have the help of a friend or a few jack-stands. Overall the installation is extremely straight forward. Providing you take care to keep the transmission in its current location, you should have no issues with the installation of these parts.

1. Just behind the engine oil pan, locate the first cross-member. This piece is not a load bearing part so removal involves unbolting of the stock unit from either frame side and re-installation of the CALMINI unit.



2. The middle cross-member also doubles as the transmission mount as well. Using a jack-stand secure the transmission in place to prevent movement. Remove the center bolts that mount the transmission to the cross-member and save for use later. Once removed, remove mounting bolts on either side of the frame. Save frame mount hardware as well.

Figure shows frame mount for center cross-member



The new CALMINI cross-member can now be re-installed. Using the factory frame mount hardware, hand tighten the cross-member into place. Next, using the factory transmission mount bolts, secure the center of the cross-member to the bottom of the transmission. Complete installation by tightening all hardware to factory specifications (approximately 35ft.lb).

Figure shows close-up of transmission mount installation.



3. The rear cross-member is also not a load bearing unit. The stock unit can be removed and the CALMINI re-installed using the supplied Grade 8 hardware. The smaller tabs face the rear of the vehicle and these are used to mount the factory line that runs below the transmission. Use the supplied hardware for the above mentioned step.



Remember to re-check all hardware before driving vehicle.

Supplemental Instructions for the Full Center Skid is listed on the instruction page.

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