

WILD HORSES

FOUR WHEEL DRIVE

Phone (209) 400-7200 Fax (209) 943-7923 www.wildhorses4x4.com

Shifter Twin Stick for NV 3550

#8329 Date 06/08/11 rev. 0

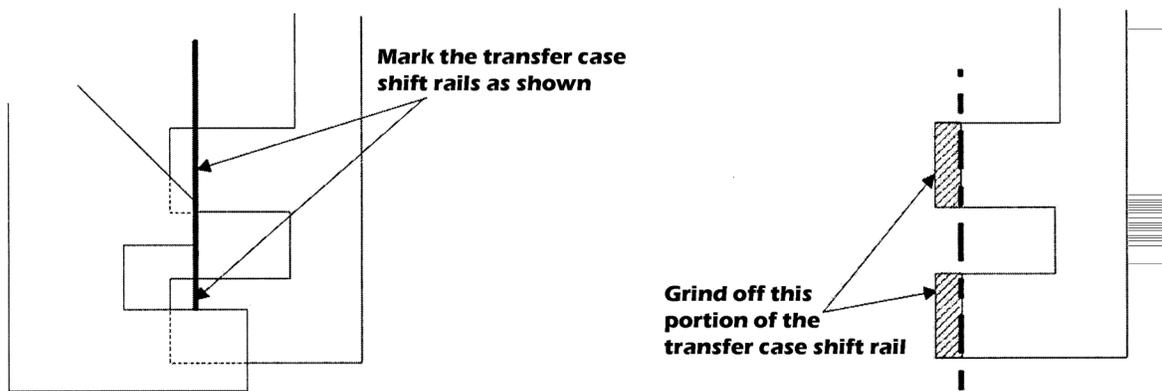
Parts

Rear stick Front stick 2 shift knobs 2 jam nuts

NOTE TO MAKE YOUR LIFE EASIER: We always recommend complete bench mock up of parts when doing any transmission and tcase conversion. It's way easier to bend, grind and tweak any parts that may require modification prior to installation in the vehicle.

1. The following step is critical for the J-Shifter Twin Stick install to function properly.

First you will need to cut the shift rails (on J-shift only) so they can move independently. Care must be taken to modify the rail exactly as illustrated in Figure 1 or the new shifter will not function correctly. Use a cut-off wheel to make the modifications to the rails. You are only modifying the front drive rail which is the lower position one on the tcase. Some people choose to cut both rail so they will be 100% independent but be aware if you do that you will be able to shift the tcase in to high and low at the same time which will cause the case to bind and then brake thereby wasting a good deal of your hard earned money.



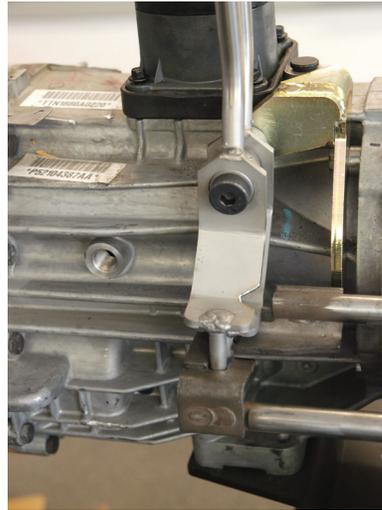
2. You should already have the Advanced Adapter bracket bolted to the tcase. Use the bolt supplied with the AA kit with your twin stick. Move the tcase into the neutral position and install the sticks into the slot in the shift rails be careful not to cross thread the bolt in the bracket.

3. Move shifter through the gears and check clearance with your NV 3550 shifter. Bend tcase or NV 3550 shifter if necessary for proper clearance.

4. Once the whole assembly is working on the bench you know you are ready to remove the twin sticks and install the trans and tcase into the vehicle.

5. Once you have the shifter reinstalled in the vehicle move the shifter through the gears to check that everything is working properly. See if the tunnel opening needs to be larger. Refer to shift pattern chart on back of this sheet. NO contact of the shift handles with the body/tunnel will be allowed. Contact with any portion of the body sheet metal may cause the transfer case to come out of gear. Make sure that there is enough clearance for body flex during off road use. Normally after the install the opening will need to be made larger. Any body lifts will require this opening to be even larger. The higher the body lift, the larger the hole.

6. Install the shifter boot and knobs. Recheck shifter operations.



J-shift twin stick shown installed on AA bracket.

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TWIN STICK SHIFTING CHART

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