



Installation Instructions
45048
PRECISIONS SPORT SHIFTER
1999-04 JEEP WRANGLER
WITH NV1500, NV2550 & NV3550
MANUAL TRANSMISSIONS

OVERVIEW:

1. Please take a moment to read and understand these instructions before installing your B&M Precision Sport Shifter.

NOTE: Please inventory all parts before starting the installation process and call our tech line to report any missing parts. This will help avoid potentially stranding your vehicle until any missing replacement parts arrive.

ITM #	PART #	DESCRIPTION	QTY.
1	4100770	Shifter Assembly	1
2	4100508	Rubber Dust Boot	1
3	4100418	Spring Wire Retaining Ring	1

WARNING:

For maximum safety, perform this installation on a clean, level surface with engine turned off.

REMOVE STOCK SHIFTER:



2. Carefully remove shift knob insert.

CAUTION:

To avoid bodily injury or vehicle damage, chock wheels and do not attempt installation until you are confident your vehicle will not move.



3. Remove shift knob nut.



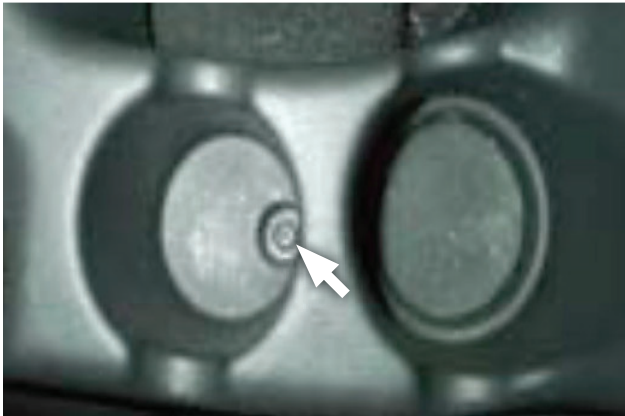
4. Remove shift knob.



5. Remove outer dust boot.



6. Remove center console bolt next to shifter.

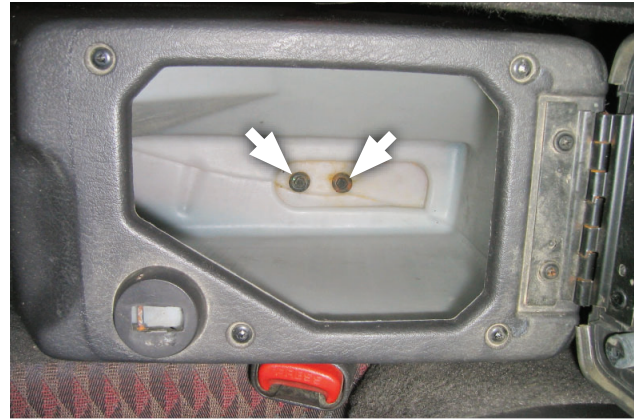


7. Remove console bolt in bottom of cup holder.

1999-00 models have a 1-piece center console-continue removal with Steps 8-10.

1999-04 models have a 2-piece center console-Remove cup holder insert and screw under it, then go directly to Step 10 to remove only front half of console.

Some 1999-04 models have a "mini" console- (similar in size to front half of 2-piece consoles) go directly to Step 10 to remove it.



8. **1999-00 models:** Lift console storage lid then remove (x2) bolts.



9. **1999-00 models:** Remove passenger-side seat then remove bolts at bottom of center console.



NOTE: For 2001-04 models, proceed to step 14.

10. Engage parking brake lever for clearance, then remove entire center console (1999-2000), the front half of the console (2001-04), or the "mini" console (some 1999- 2004).



11. 1999-00 models: Remove inner dust boot.



14. 2001-04 models: remove transfer case shifter base.



12. 1999-00 models: remove transfer case shifter base.



15. 2001-04 models: remove shift lever.



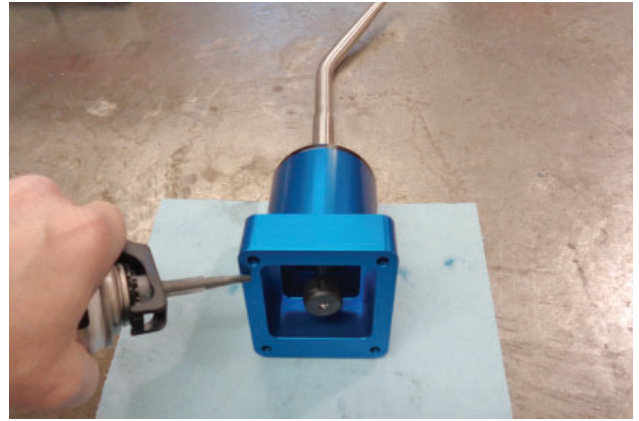
13. 1999-00 models: remove floor plate then proceed to step 17.



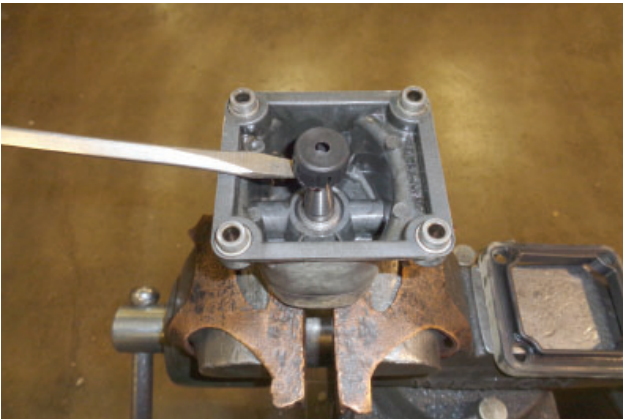
16. 2001-04 models: remove floor plate and attached dust boot.



17. Remove stock shifter from transmission housing (4 screws at lower/square flange).



20. Apply bead of oil-resistant RTV sealant around base of shifter.

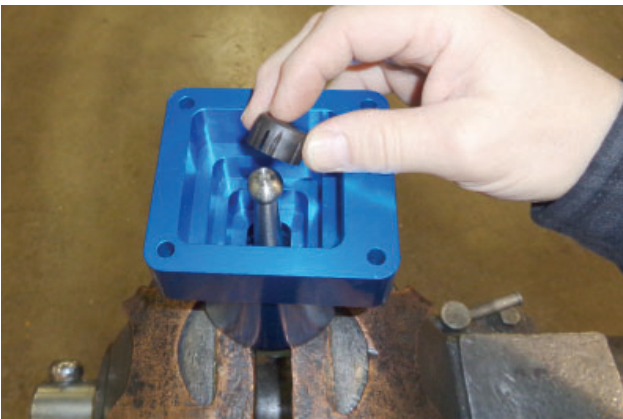


18. Carefully remove plastic pivot cup from stock shifter and retain it for later use.



21. Install B&M shifter on transmission. Torque fasteners to manufacturer's specification.

INSTALL B&M PRECISION SPORT SHIFTER:



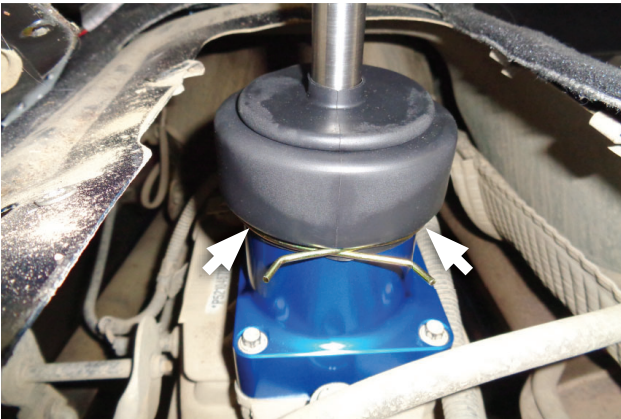
19. Carefully press pivot cup onto B&M shifter.



22. Place retaining ring over shifter and temporarily push it down to square mount flange.



23. Install B&M dust boot over shift lever and shifter housing. Slide it fully onto housing, until inside of boot sits on top of housing.



24. Install boot retainer over lip at bottom of dust boot.



25. Reinstall floor plate.



26. Reinstall transfer case shifter base.



27. 1999-00 models: reinstall inner dust boot.



28. Reinstall center console as appropriate for your vehicle's model year. Installation is the reverse of removal.



29. Reinstall outer dust boot.



30. Install shift knob and jam nut.



- 31. Carefully press insert back into knob. Test the movement of shifter through all gears.
- 32. **DO NOT** operate vehicle until all gears can be smoothly and fully engaged.

Congratulations, the installation of your **B&M Precision Sport Shifter** is now complete!

