

Installation Instructions

Precision Sport Shifter

1990-1998 JEEP Wrangler (4.0L I6)

Part Number 45059

©2005, 2003, 2001 by B&M Racing and Performance Products

(see www.bmracing.com for the latest vehicle fitment applications and model years)

This B&M Short Throw Shifter has been designed to work on most 1990-1998 JEEP Wrangler (4.0L I6) models equipped with an AX15 manual transmission. It has been engineered to greatly reduce shift throw and improve shifter feel. Check the parts list and tool lists at the beginning of these instructions for the supplied parts and the tools required to install your B&M Short Throw Shifter. Installation of the B&M Short Throw Shifter can be accomplished by anyone with minimal mechanical experience.

INTRODUCTION

The B&M Short Throw Shifter can be installed in less than an hour by carefully following the instructions. Read all instructions first to familiarize yourself with the parts, tools, and procedures. This kit contains all the parts necessary to install the shifter.

PARTS

Ring & Boot



B&M Short Throw Shifter



Tools

Drive



Extension



Sockets (7mm, 10mm,
12mm deep socket, 15mm)



Screwdriver (flat)



DISASSEMBLY

STEP 1. Remove stock shift knob insert.
Tool: Screwdriver (flat)



STEP 2. Remove stock shift knob jam nut.
Tools: Drive, extension, 15mm socket



STEP 3. Remove stock shift knob.



STEP 4. Remove shift boot.



STEP 5. Remove center console bolt near shifter.
Tools: Drive, extension, 10mm socket



STEP 6. Remove center console bolt in cup holder.
Tools: Drive, extension, 10mm socket



STEP 7. Remove center console bolts from storage console (a)

Tools: Drive, extension, 10mm socket



STEP 8. Remove bolts on passenger side of center console (b)

Tools: Drive, extension, 10mm socket



STEP 9. Pull up 4-wheel drive shift lever.



STEP 10. Remove center console.



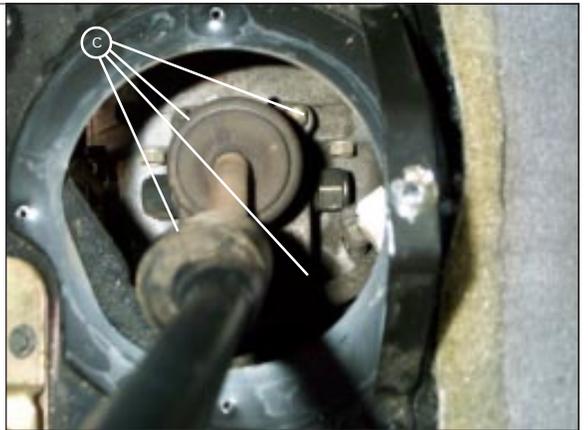
STEP 11. Remove bolts securing rubber protective boot.
Tools: Drive, extension, 7mm socket



STEP 12. Remove rubber protective boot.
Tools: Screwdriver (flat)



STEP 13. Remove bolts ① securing shifter to transmission.
Tools: Drive, extension, 12mm deep socket

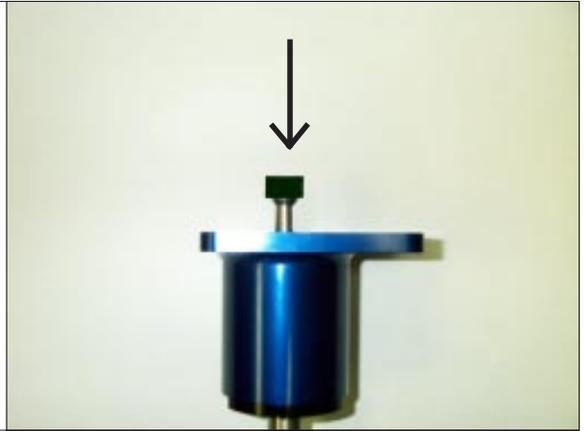


STEP 14. Pry pivot cup from stock shifter.
Tool: Screwdriver (flat)



ASSEMBLY

STEP 15. Press pivot cup onto B&M Short Throw Shifter.



STEP 16. Install Rubber boot and ring on shifter base.



STEP 17. Either reuse stock gasket or apply RTV silicone sealant to shifter base.



STEP 18. Install B&M Short Throw Shifter.
Tools: Drive, extension, 12mm deep socket.



STEP 19. Reinstall rubber protective boot.



STEP 20. Reinstall rubber protective boot bolts.
Tools: Drive, extension, 7mm socket.



STEP 21. Reinstall center console.



STEP 22. Install center console bolt near shifter.
Tools: Drive, extension, 10mm socket.



STEP 23. Install center console bolt in cup holder.
Tools: Drive, extension, 10mm socket.



STEP 24. Install center console bolts from storage console (a)
Tools: Drive, extension, 10mm socket.



STEP 25. Install bolts on passenger side of center console (b).
Tools: Drive, extension, 10mm socket



STEP 26. Reinstall shift boot.



STEP 27. Install shift knob.



STEP 28. Install shift knob jam nut.
Tools: Drive, extension, 15mm socket .



STEP 29. Press insert into knob.



STEP 30. Enjoy short shifts, superior feel, and great looks!

