



Installation Instructions

Short Throw Shifter

1988-2000 Honda Civic/CRX/del Sol 1990-2001 Integra

Part Number 45074

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This **B&M Short Throw Shifter** has been designed to work on most 1988-2000 Honda Civic/CRX/del Sol and 1990-2001 Integra models equipped with a manual transmission. It has been engineered to greatly reduce shift throw and improve shifter feel. Check the tool list at the end of these instructions for 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.

When installing your **B&M Short Throw Shifter** there are several other **B&M** products you may wish to consider:

B&M Synthetic Stick Shift: #80287 a synthetic manual transmission fluid formula engineered to get the best performance out of your manual transmission, transaxle or differential. Formulated for racing and performance applications, extensive testing shows B&M Stick Shift provides total lubrication protection for street and heavy-duty applications as well. Stick Shift provides outstanding oxidation stability, extreme pressure protection, anti-shear agents and foam inhibitors that provide the tenacious capability to keep on lubricating under extreme conditions.

B&M Manual Shifter Knobs: #80743

(Tall Leather), **#80744** (Short Leather), **#80745** (Carbon Fiber look), **#80746** (Billet Aluminum look), **#80535** (Real Carbon Fiber), **#80554** (Diamond), **#80555** (JDM). These sturdy knobs are ergonomically designed to better fit your hand during hard-core performance driving. These knobs incorporate an innovative stick locating/locking method that allows the knob to fit on virtually any manual transmission stick.

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 and procedures. This kit contains all the parts necessary to install the shifter.

DISASSEMBLY

We suggest the vehicle be allowed to cool for an hour or two before you begin since you will be working around the exhaust system. The vehicle should be raised so there is at least 2 feet of ground clearance for ease of installation and safety.

STEP 1. Unscrew the stock shift knob and then raise and support the vehicle.

CAUTION: MAKE SURE THE VE-

HICLE IS RIGIDLY AND SECURELY SUPPORTED, JACK STANDS, WHEEL RAMPS OR A HOIST WORK BEST, DO NOT USE JACKS ALONE.

STEP 2. Unhook the two rubber exhaust hangers near the catalytic converter and carefully lower the exhaust pipe. It may be helpful to place a small crowbar between the exhaust pipe and the floorpan.

STEP 3. Using a 12mm socket wrench and 12mm box wrench, remove the nut and bolt attaching the shift lever to the change rod. Carefully lower the change rod and allow it to hang out of the way.

STEP 4. Using a 12mm socket and short extension, remove the two bolts from the rear extension mounting rubber. Allow the change extension to drop slightly (it will still be attached to the shift lever dust seal).

STEP 5. Use a 12mm box wrench to remove the bolt holding the front of the change extension to the transmission.

STEP 6. Using your forefinger, carefully roll the shift lever dust seal off of the change extension. You can now gently pull the change extension and the shift lever from the vehicle.

STEP 7. Place the change extension on a clean, flat surface and remove the two change ball locknuts using a 10mm socket (the bolts have a 10mm flat to assist in removing the locknuts).

STEP 8. Gently pull the shift lever from the change extension (the dust seal and the shift lever ball seat should also come out). Only the 10mm change ball bolts, nuts and change extension will be re-used.

ASSEMBLY

STEP 9. Thoroughly clean the inner shift socket portion of the change extension and lightly lubricate this area.

STEP 11. Insert the **B&M Short Throw Shifter** into the change extension socket. Re-install the two change ball bolts and lock nuts, making sure the square portion of the bolt is fully seated. Tighten to 7 lb-ft.

STEP 12. Reinstall the change extension and shifter back into the vehicle. Note that the shifter must be carefully guided into the shift lever dust seal to keep it from ripping the seal - take your time.

STEP 13. Remount the front of the change extension to the transmission and tighten the bolt to 16 lb-ft.

STEP 14. Replace the two bolts in the rear extension mounting rubber and tighten to 16 lb-ft.

STEP 16. Honda Civic/CRX, 1990-93 Integra: Using the two smaller Teflon® bushings, insert them into both sides of the shifter. Swing the change rod up and align the shifter so they slide together, being careful to not damage the bushings. Insert the bolt and tighten the nut to 16 lb-ft.

1994-up Integra: Take two of the larger Teflon® bushings and insert them into both sides of the shifter. Swing the change rod up and align the shifter so they slide together, being careful to not damage the bushings. Insert the bolt and tighten the nut to 16 lb-ft.

STEP 17. Reconnect the two rubber exhaust hangers.

STEP 18. Carefully lower the vehicle

and install the shift knob. Slide the shifter through each gear, checking for binding or rough movement. If the shifter does not move smoothly, raise and support the vehicle and check that the bushings are properly seated and that the linkage does not bind.

Parts List

- 1 B&M Short Throw Shifter
- 2 Bushing, Teflon® (large)
- 2 Bushing, Teflon® (small)
- 1 Instruction Sheet

Tool List

- 10mm Wrench
- 10mm Socket and Drive
- 12mm Wrench
- 12mm Socket, Drive, Extension
- Several clean rags
- Hydraulic Jack or Hoist
- Jackstands or Wheel Ramps

