



Installation Instructions

Short Throw Shifter

2000-2001 Audi TT 1.8L Turbo

Including FWD and AWD (Quattro)

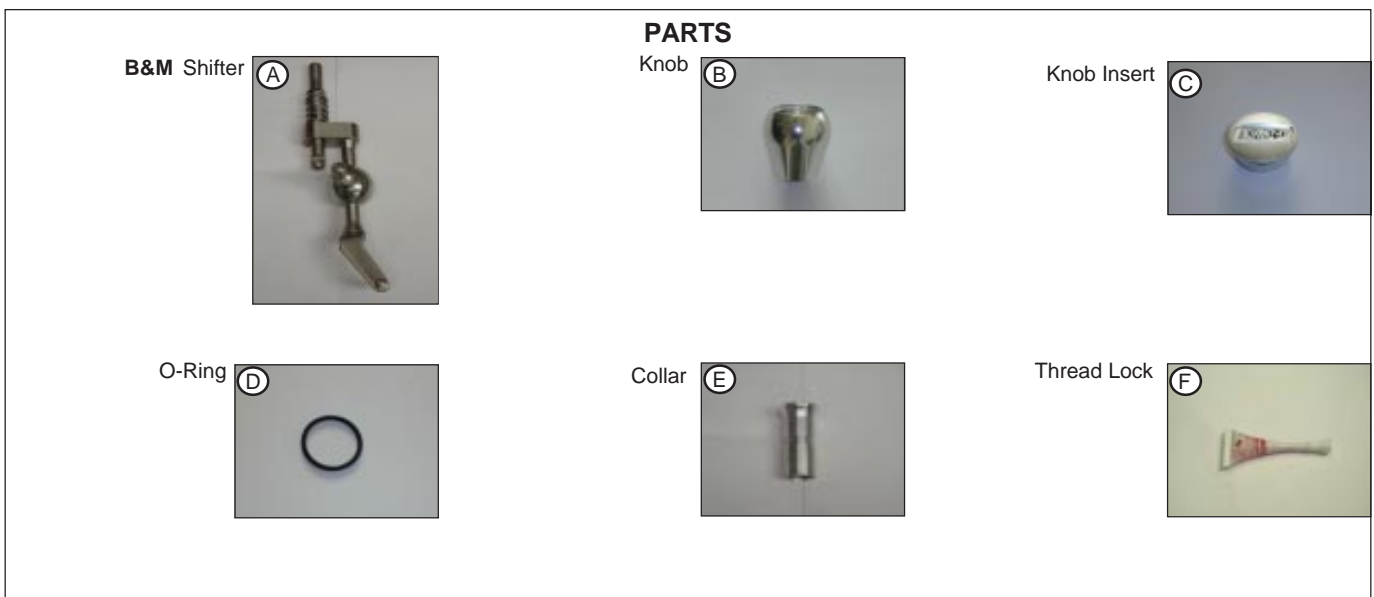
Part Number 45146

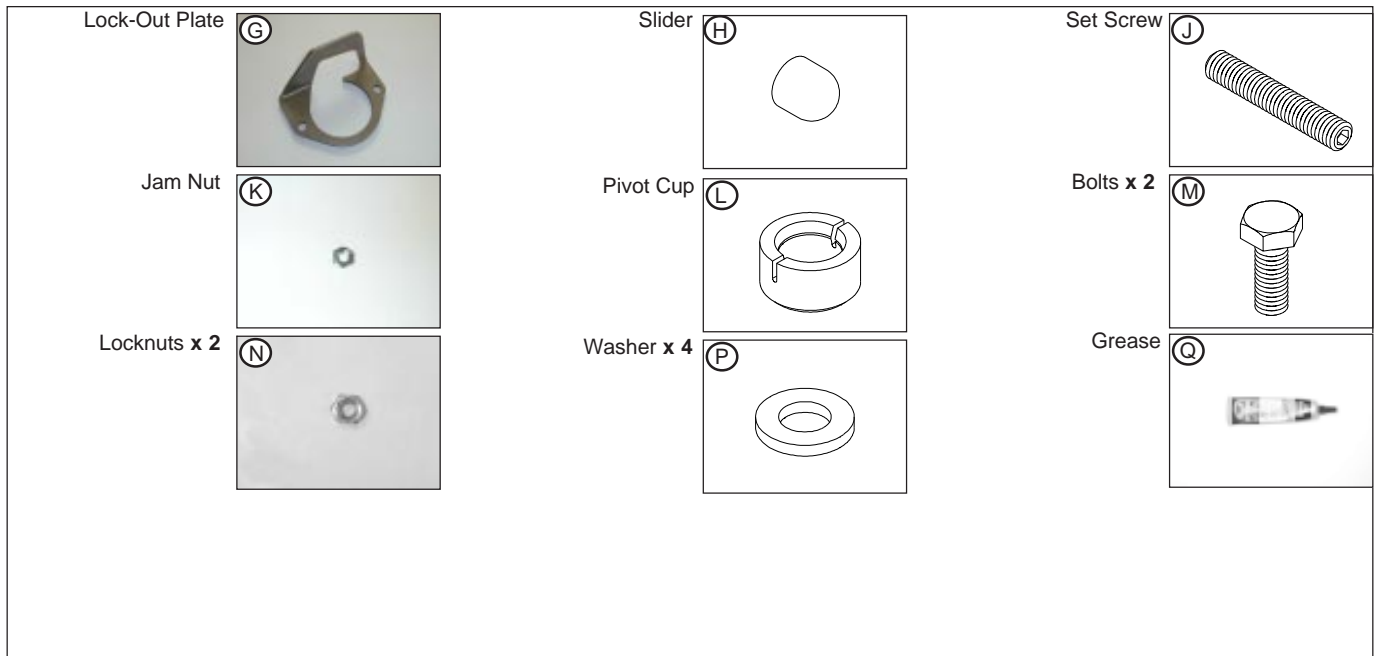
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This **B&M Short Throw Shifter** has been designed to work on most 2000-2001 Audi TT 1.8L Turbo models. It has been engineered to greatly reduce shift throw and improve shifter feel. The **B&M Short Throw Shifter** has been designed to work with the stock knob as well as the **B&M Knob**. Check the parts and tools 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.

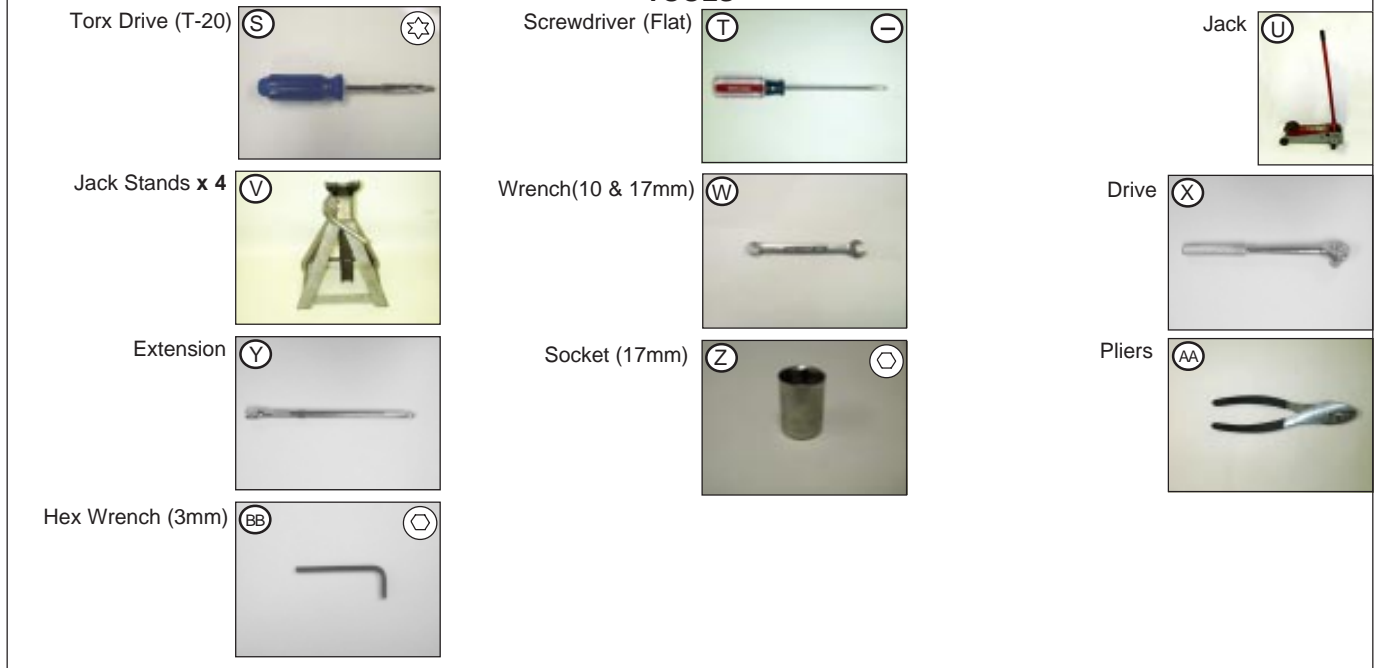
INTRODUCTION

This **B&M Short Throw Shifter** can be installed in less than 3 hours 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.





TOOLS

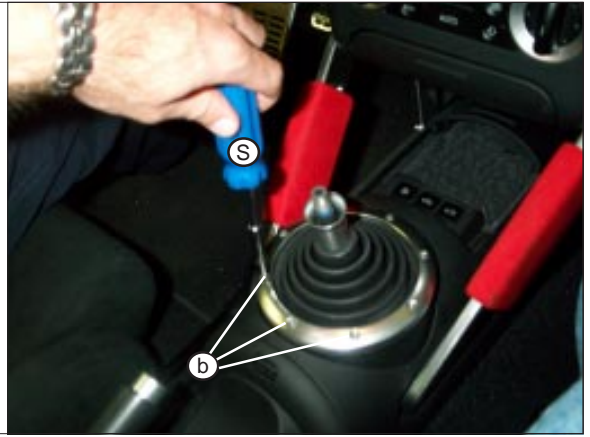


DISASSEMBLY

STEP 1. Unscrew knob (a).



STEP 2. Remove eight (8) screws (b).
TOOL: Torx Drive (T-20) (S)



STEP 3. Remove bezel (c).



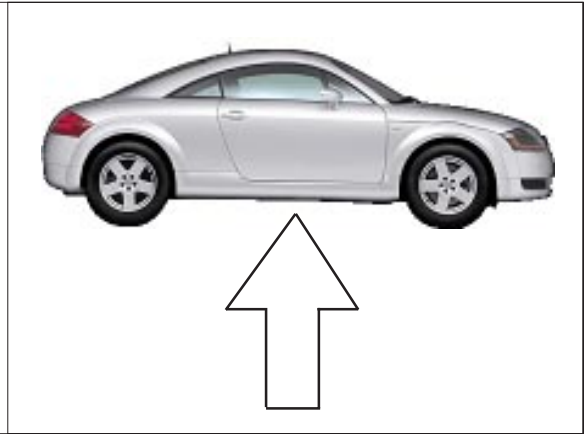
STEP 4. Remove rubber boot / collar assembly (d).



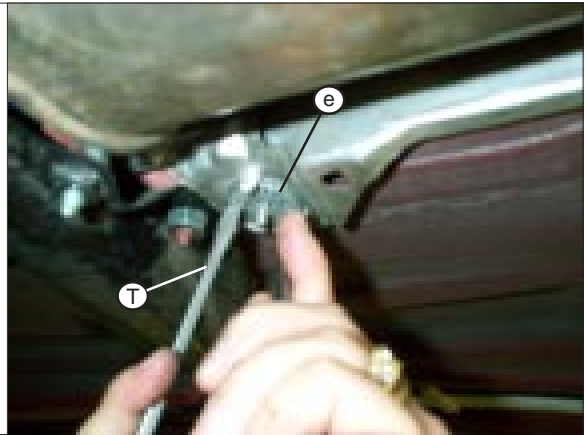
STEP 5. Separate rubber boot (d) from collar.



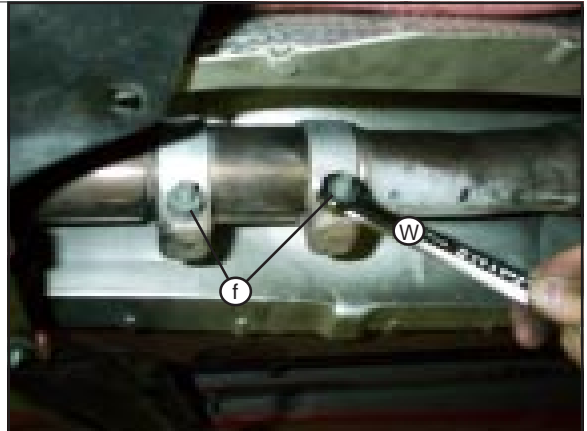
STEP 6. Carefully raise and support vehicle.
TOOL: Jack (U), Jack Stands x4 (V)



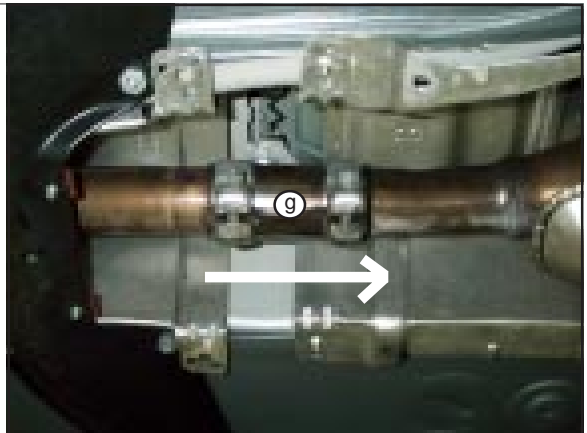
STEP 7. Remove heat shield snap washers (e).
TOOL: Screwdriver (Flat) (T)



STEP 8. Loosen exhaust coupling nuts (f).
TOOL: Wrench (17mm) (W)



STEP 9. Slide exhaust coupling (g) forward.



STEP 10. For AWD (Quattro), disconnect catalytic converter exhaust system. Heat shield must be removed by maneuvering around the driveshaft.



STEP 11. Remove front heat shield (h).



STEP 12. Disconnect center exhaust support (i).
TOOL: Socket (17mm) (z), Drive (x), and Extension (y)

AWD Quattro's may not have a center exhaust support.



STEP 13. Remove center heat shield (j).



STEP 14. Carefully pry bottom plate (k) off of shifter enclosure.

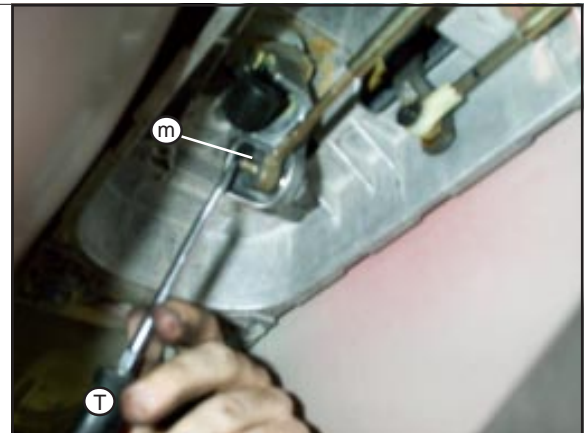
Note: Plate is easily bent, use caution

TOOL: Screwdriver (Flat) (T)



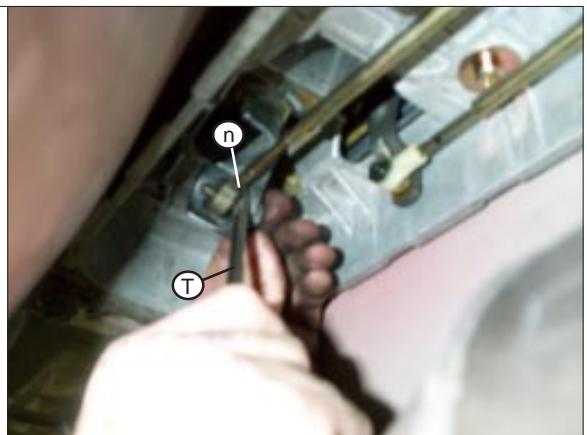
STEP 15. Remove retaining clip (m) from shifter.

TOOL: Screwdriver (Flat) (T)



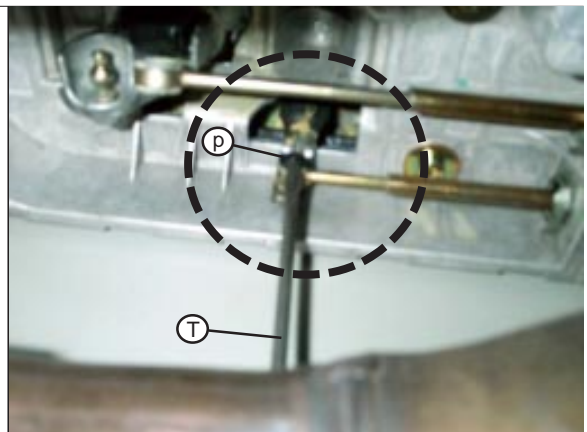
STEP 16. Pry cable (n) off of shifter.

TOOL: Screwdriver (Flat) (T)



STEP 17. Remove retaining clip (p) from shift linkage.

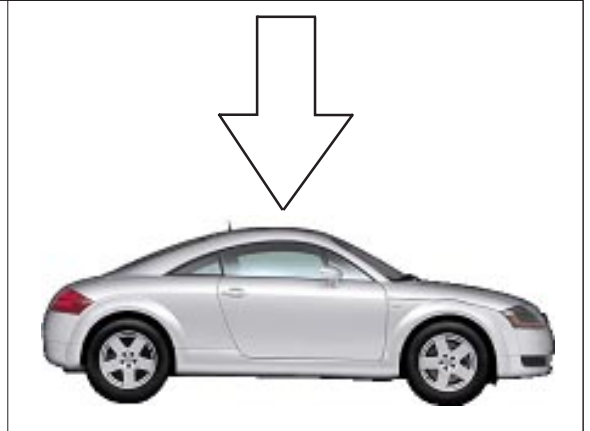
TOOL: Screwdriver (Flat) (T)



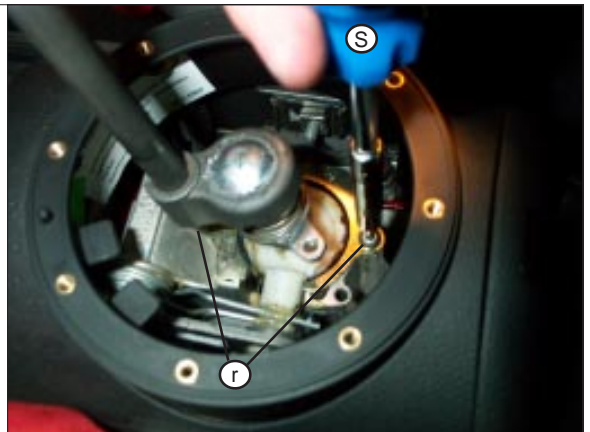
STEP 18. Remove cable (q) from shift linkage.



STEP 19. Carefully lower vehicle.
TOOL: Jack (u)



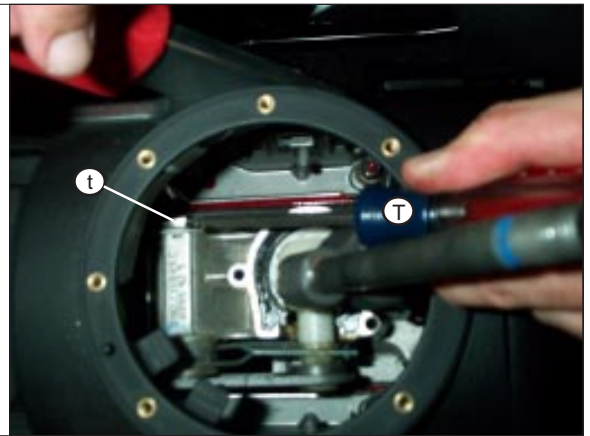
STEP 20. Remove two (2) plate screws (r).
TOOL: Torx Drive (T-20) (s)



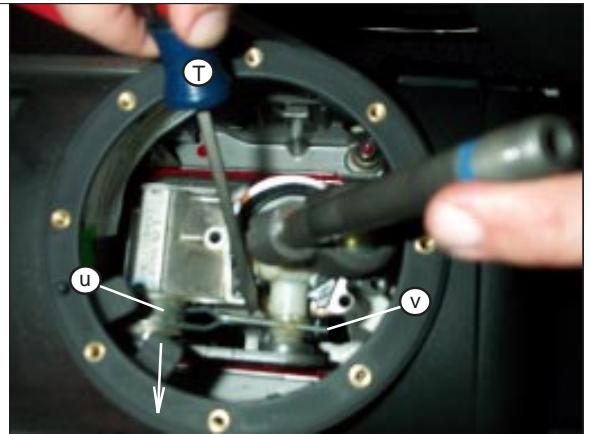
STEP 21. Remove plate (s).



STEP 22. Remove clip **(t)**.
TOOL: Screwdriver (Flat) **(T)**



STEP 23. Slide actuator **(u)** and release pivot arm from centering spring **(v)**.
TOOL: Screwdriver (Flat) **(T)**



STEP 24. Pull pivot housing straight up and remove **(w)**.

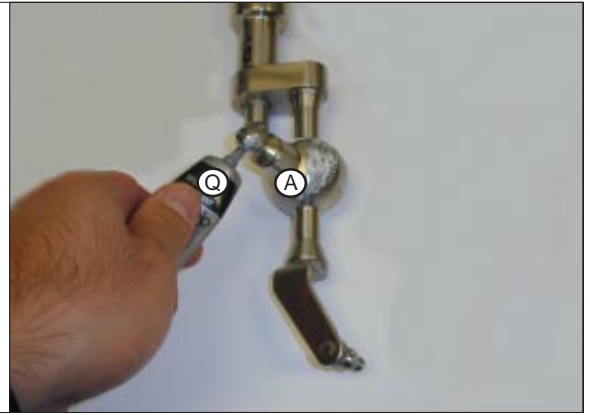


ASSEMBLY

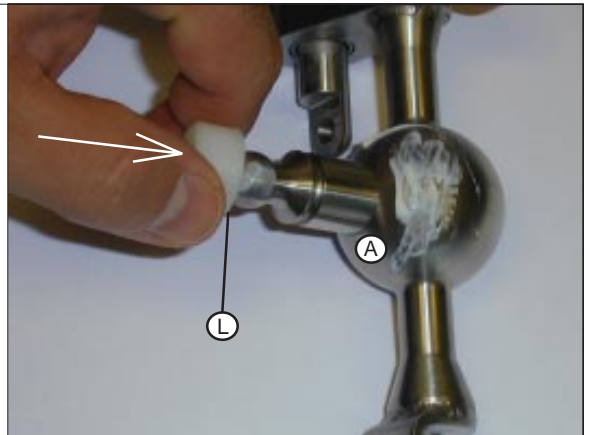
STEP 25. Turn shifter exactly as shown and pull out.
Note: There is only one position in which the shifter can be removed.



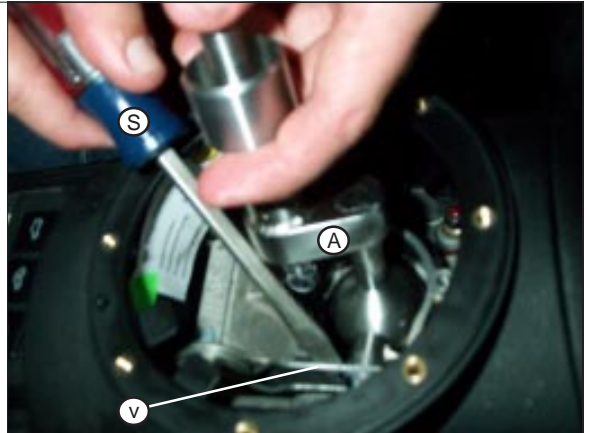
STEP 26. Grease **Q** the **B&M Shifter A** pivot points.



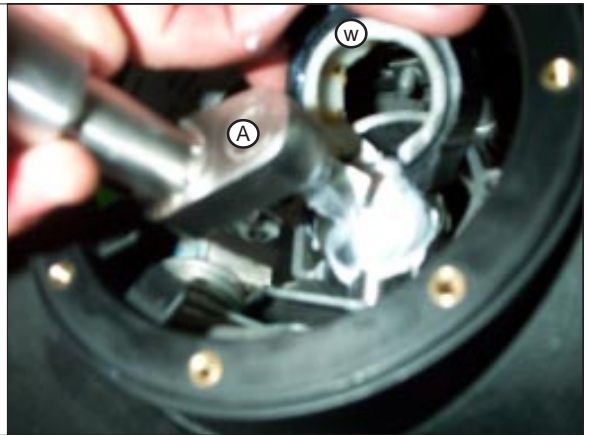
STEP 27. Snap Pivot Cup **L** onto **B&M Shifter A**.



STEP 28. Install **B&M Shifter A** into centering spring **V**.
TOOL: Screwdriver (Flat) **S**
Note: Make sure pivot cup engages into actuator.



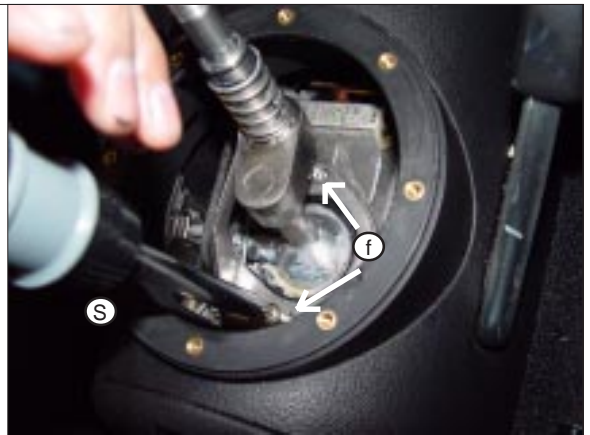
STEP 29. Pull up on **B&M Shifter A** and install pivot housing **W**.



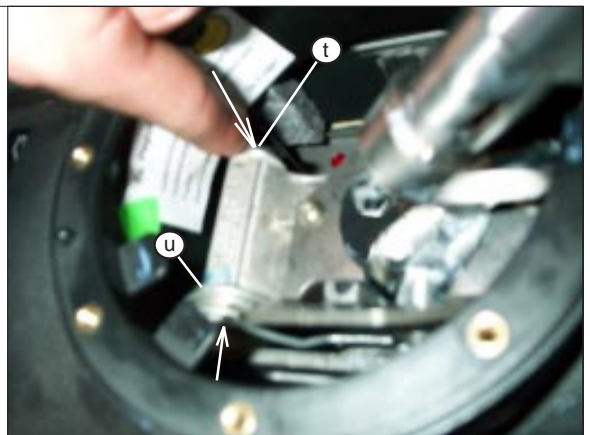
STEP 30. Install Lock-Out Plate **(G)**.



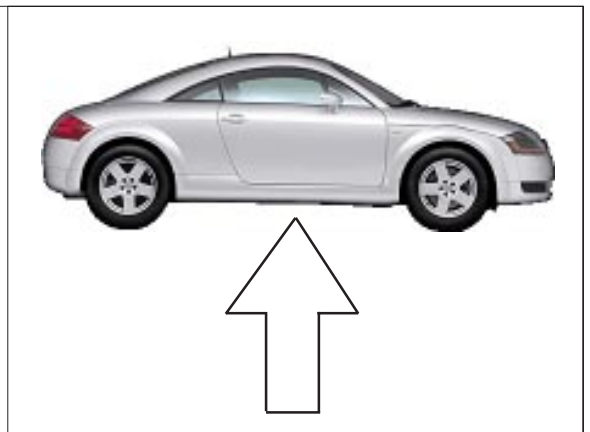
STEP 31. Reinstall two (2) plate screws **(f)**.
TOOL: Torx Drive (T-20) **(S)**



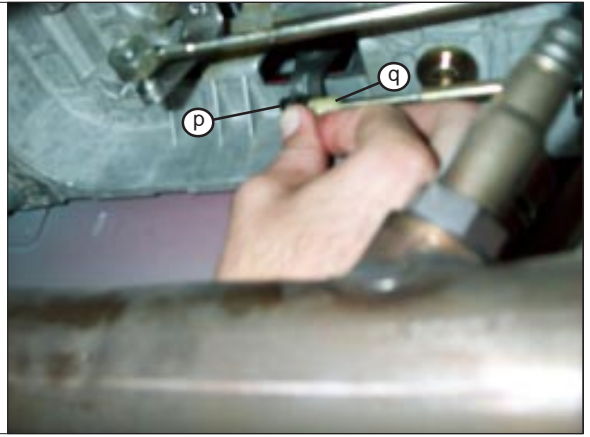
STEP 32. Push in actuator **(u)** and secure with clip **(t)**.



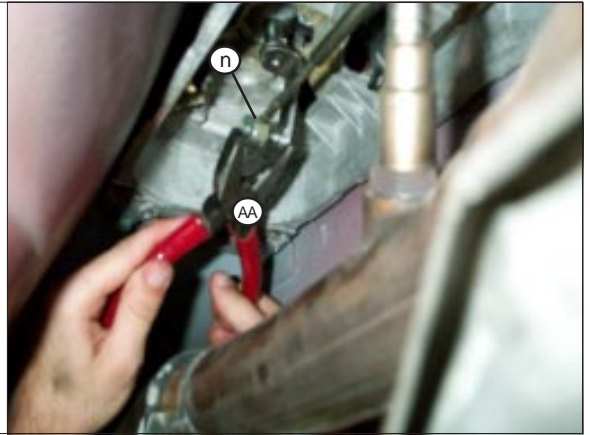
STEP 33. Carefully raise and support vehicle.
TOOL: Jack **(U)**, Jack Stands x4 **(V)**



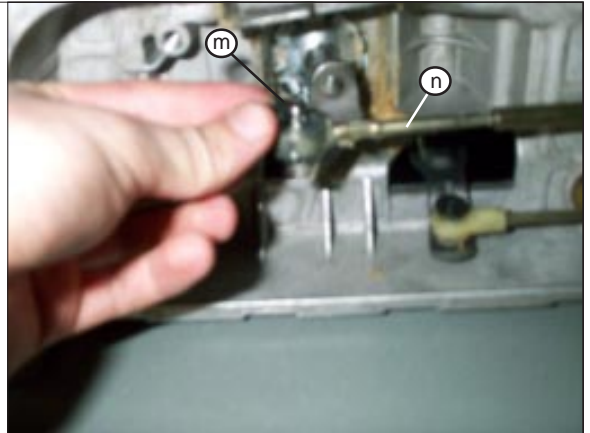
STEP 34. Affix cable (q) and secure with clip (p).



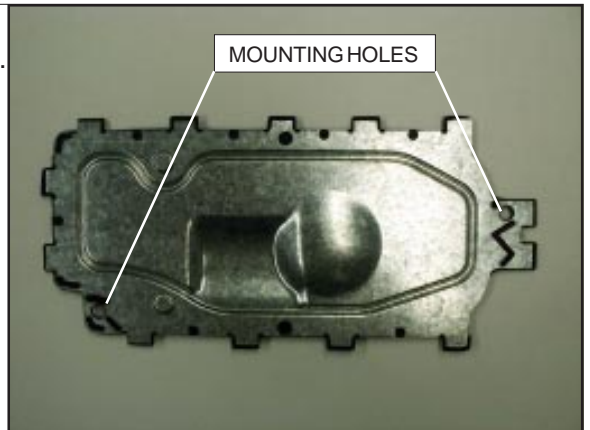
STEP 35. Snap on cable (n).
TOOL: Pliers (AA)



STEP 36. Secure cable (n) with retaining clip (m).



STEP 37. Reinstall bottom plate (k) onto shifter enclosure using supplied Bolts (2) (M), Locknuts (2) (N), and Washers (4) (P).
TOOL: Drive (X), Socket (10mm) (Z), Wrench (10mm) (W)



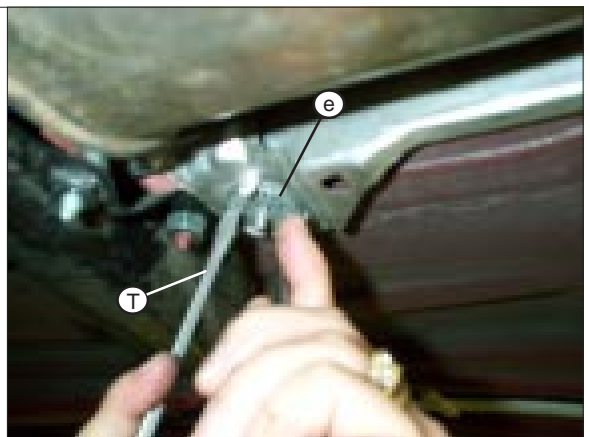
STEP 38. Replace front heat shield (h).



STEP 39. Replace center heat shield (i).



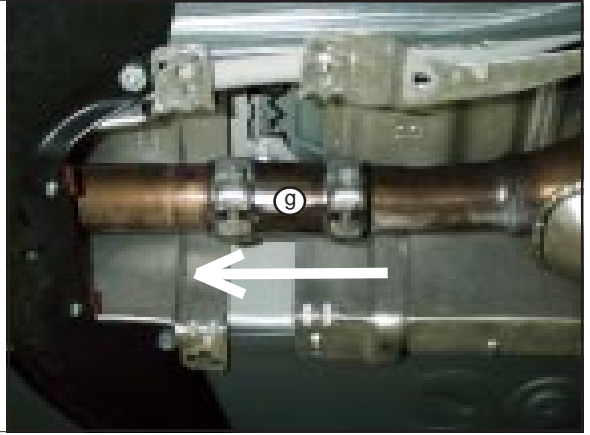
STEP 40. Reinstall heat shield snap washers (e).
TOOL: Screwdriver (Flat) (T)



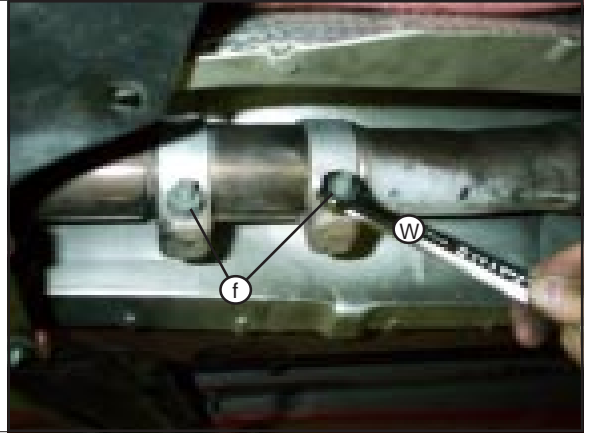
STEP 41. Reconnect center exhaust support (i).
TOOL: Socket (17mm) (Z), Drive (X), and Extension (Y)



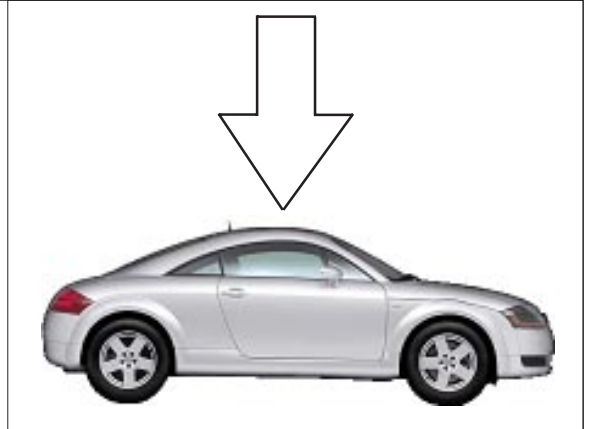
STEP 42. Slide exhaust coupling ⑨ back over both pipes.



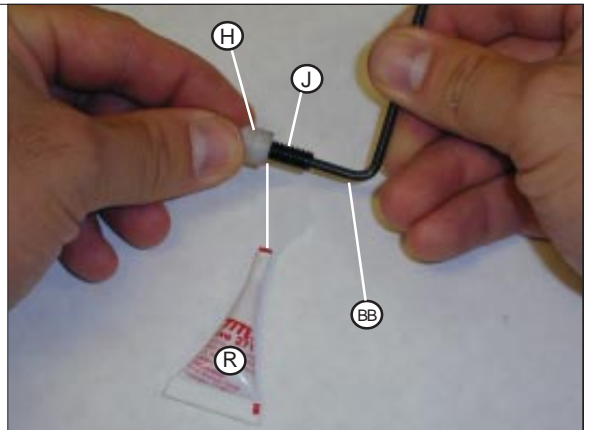
STEP 43. Tighten exhaust coupling nuts ①.
TOOL: Wrench (17mm) ②



STEP 44. Carefully lower vehicle.
TOOL: Jack ③

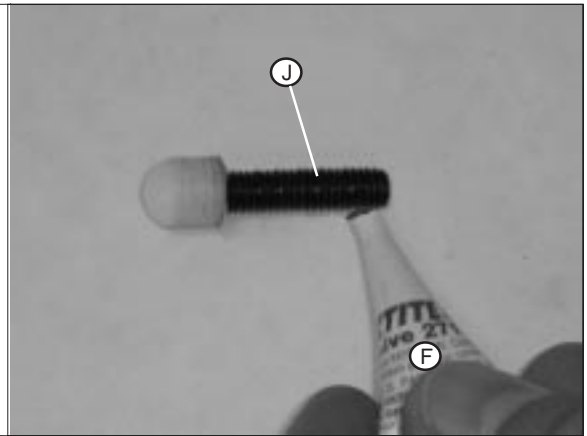


STEP 45. Apply a drop of Thread Lock ④ onto Set Screw ⑤ and tighten into Slider ⑥ .
Note: Allow a few minutes for the Thread Lock ④ to set.
TOOL: Hex Wrench (3mm) ⑦

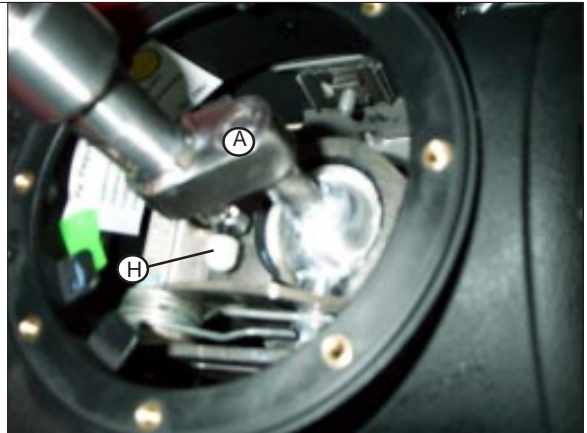


STEP 46. Apply two drops of Thread Lock (F) onto the remaining threads of Set Screw (J) and fully attach Jam Nut (K) the opposing end .

Note: The next three steps must be executed before the thread lock sets.



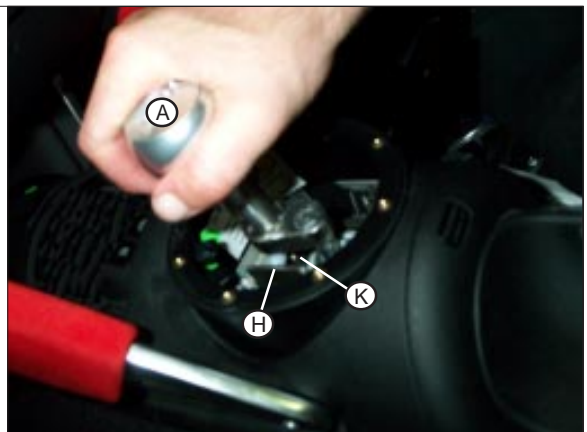
STEP 47. Screw Slider (H) assembly into B&M Shifter (A) .



STEP 48. Affix stock knob or the B&M knob and collar (E)



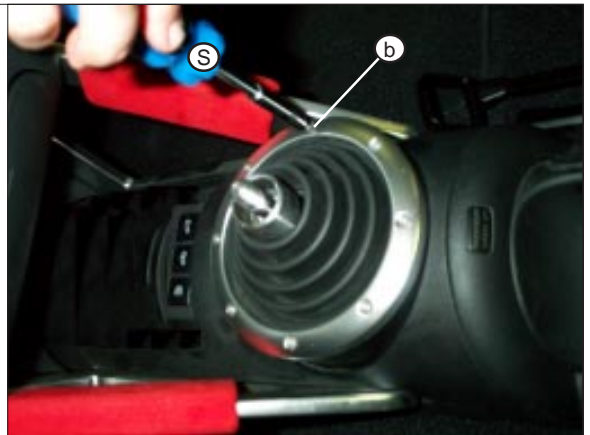
STEP 49. Test movement of B&M Shifter (A) into all gears concentrating on the 1-2 shift and reverse. Adjust Slider (H) assembly and lock by tightening Jam Nut (K) .
TOOL: Hex Wrench (3mm) (BB) , Wrench (10mm) (V)



STEP 50. Remove Knob ②. Install collar into rubber boot and then over the **B&M Shifter** ①.



STEP 51. Reinstall eight(8) screws ②.
TOOL: Torx Drive (T-20) ③



STEP 52. Insert stock knob or B&M knob. Press down on collar and screw knob in.



STEP 53. B&M Knob ②.



STEP 54. Install O-Ring ④ onto Knob Insert ③ .



STEP 55. Push Knob Insert ③ into Knob ② .



STEP 56. Again, test movement of shifter into all gears. **DO NOT** operate vehicle until all gears can be smoothly and fully engaged.



STEP 57. Enjoy!

