



Thank you for purchasing the **SwiftShift™ Short Shifter System**. This kit is specifically designed to reduce shift throw distance, reduce shifter free play, and strengthen the OEM shifter linkage system. The No Slack Needle Bearing Kit can be used to replace the broken or worn OEM plastic shift lever bushings and will eliminate shift lever free play. Be sure to have the following tools and supplies required before starting installation. These kits are preadjusted; however, some cars may require a minor shift cable length adjustment. Installation should take about one to two hours of time. For technical information or for more great products please contact us at **480-317-9911** or on the web at www.evoms.com, thank you.

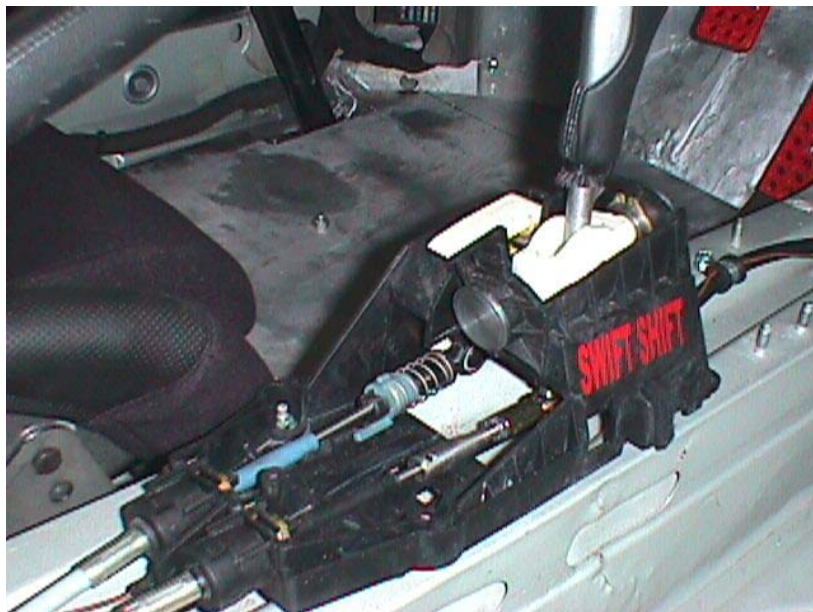
This kit is designed exclusively for the following Porsche® cars:

Models:

GT3-6SPD	996TT-6SPD	996-6SPD
986-5SPD	986-6SPD	986S-6SPD

REQUIRED TOOLS AND SUPPLIES NEEDED FOR INSTALLATION:

Lock-tite	10mm socket/ratchet
Utility Knife (<i>NSNB ONLY</i>)	Torx screwdriver set
Snap-ring pliers	2mm Hex key

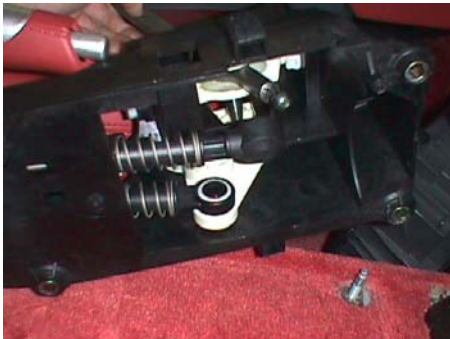




"SwiftShift" Installation Instructions

Installation tip: We have found it easier to perform this installation from the passenger seat.

1. Remove the center console. (Diagram 1) will show all the hidden screws and clips.
2. Unclip the right side shift cable bushing from the shift tower assembly by removing the brass clip and squeezing the black clips together firmly. If you have the No Slack Needle Bearing kit, also remove the driver side **blue cable's** bushing. (Diagram 1, Illustration #5)
3. Remove the **green plastic plate** located on the shift tower. (Not present on all cars.)
4. Unbolt the 4 (10MM) perimeter nuts that hold the shift tower in place and tilt the shift housing.
5. Pry off the right side shift cable off the shift lever. (Picture 1)
6. Remove the right side black plastic shift cable end from the shift cable. (Picture 2)
7. For those of you who have the No Slack Needle bearing Kit, please skip to the supplemental set of instructions for needle bearing installation.
8. Install the shift lever extension by placing it over the end of the shift lever. Tap the end to assure it is in the proper place. NOTE: THE SETSCREW MUST SEAT BEHIND THE ORIGINAL SHIFT BALL. WE RECOMMEND THAT LOC-TITE BE USED ON THE SETSCREW. (Picture 3)
9. Next, place the new pre adjusted "SwiftShift" cable end on the cable. Notice the piece has three additional holes and an additional setscrew for easier installation. WE RECOMMEND THAT LOC-TITE BE USED ON THE SETSCREWS. (Picture 4)
10. Remount and reassemble the shift tower and check all connections.
11. **Test the shifter** before the console is completely reassembled. NOTE: THE SHIFTER MAY FEEL MUCH CRISPER AT FIRST. If the car has trouble shifting into any forward gears, you may need to adjust the cable end length. This is done by backing off the locking nut and screwing or unscrewing the supplied cable end until the right length is found. Then retighten the locking nut. If reverse is having trouble going into gear, adjust the cable end length on the **blue cable**. Pull the spring back and adjust length as needed. Call us at the shop with any questions you have. 480-317-9911





Needle Bearing Installation Instructions

Please note that the OEM shift tower assembly is composed of many fragile plastic pieces. Some of these plastic pieces we will eliminate with this kit and others will have to be reinstalled. Care needs to be taken when removing and reinstalling these pieces.

1. Carefully remove the black pushpin clip on the blue cable's end. (Figure 1)
2. Detach the driver side cable end. (Figure 2)
3. Make sure the cable bushings and cables are detached from the shift tower. (Figure 3)
4. Remove the shift tower for the next step. (Figure 4)



Figure 1



Figure 2



Figure 3



Figure 4



(Continue) Needle Bearing Installation Instructions

5. Find a suitable table and a utility knife. On both sides, cut the white snap clips holding the OEM plastic bushings in place. (Figure 5)
6. Pry out both of the OEM bushings from the shift tower and discard. (Figure 6)
7. Insert the snap rings on both sides of the shift lever. (Figure 7)
8. Insert the needle bearing bushings on both sides. Note the needle bearing bushings are slotted the same contour as the shift tower. Secure the bushings with the large snap rings supplied. (Figure 8)
9. Make sure the shifter is operating smoothly and place it back in the car.
10. Proceed to step #9 on the first sheet instructions.



Figure 5



Figure 6

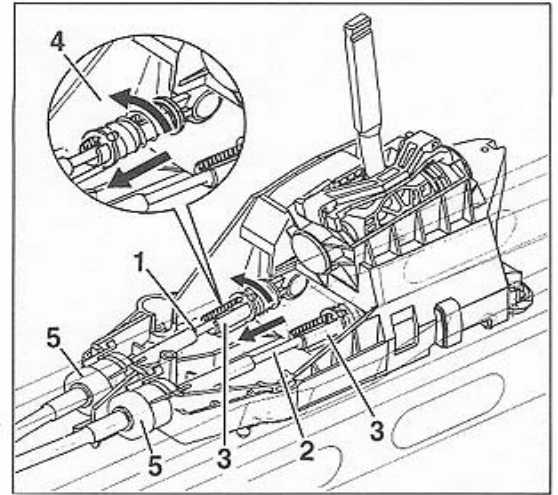
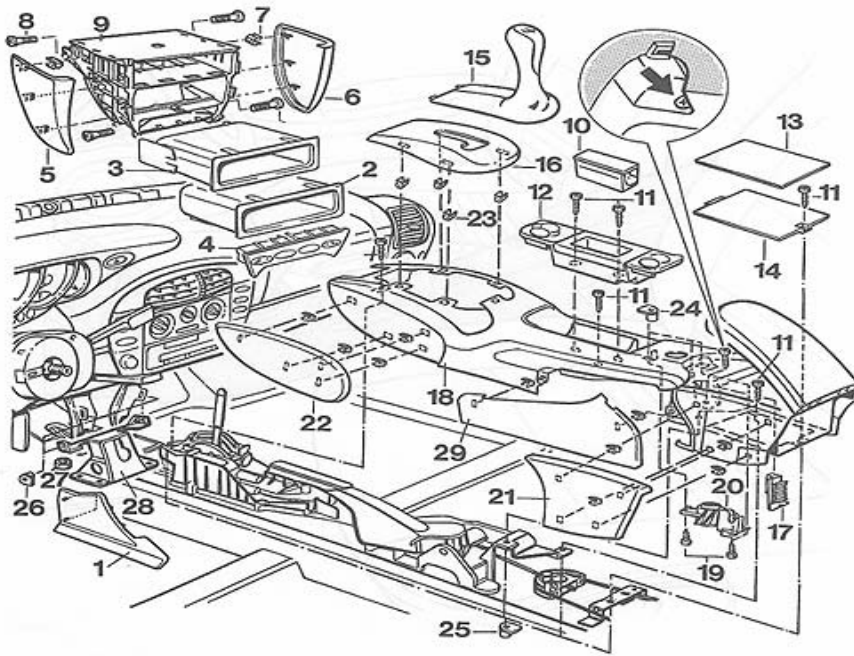


Figure 7



Figure 8

Removing and installing centre console



- 1 – Selector cable (blue)
- 2 – Shift cable (black)
- 3 – Adjuster open
- 4 – Adjuster closed
- 5 – Support bracket

Removing and installing centre console

No.	Designation	Qty.	Removal	Note:		No.	Designation	Qty.	Removal	Note:	
				Installation	Installation					Installation	Installation
1	Side cover	1	Unclip		Clip in	17	Locking device	1	Unclip, and unscrew the Torx screw beneath it.		
2	Oddments tray	1	Pull out		Insert	18	Centre console, centre	1	Undo Torx screws (Item 11) 5.0x16 and disconnect electrical plug connection from the lock barrel.	Plug in the centre console, centre, electrical plug connection to the lock barrel, position the centre console and tighten Torx screws (Item 11) 5.0x16.	
3	Oddments tray	1	Pull out		Insert	19	Torx screw 3.5x14	3	Undo from the lock barrel (Item 20).	Tighten Torx screws 3.5x14 with the lock barrel (Item 20).	
4	Front trim	1	Insert a plastic spatula at the side and press out.		Insert	20	Lock barrel	1			
5	Cover, front right	1	Unclip		Clip in	21	Cover, rear left	1	Unclip	Clip in	
6	Cover, front left	1	Unclip		Clip in	22	Cover, front left	1	Unclip	Clip in	
7	Clip	6		Inspect and replace if necessary.		23	Clip	26		Inspect and replace if necessary.	
8	Torx screw	4				24	Plug-in nut 3.5x2.5x5	5		Inspect and replace if necessary.	
9	Centre console, front	1				25	Plug-in nut 5.0x3.5x8	4		Inspect and replace if necessary.	
10	Container insert	1	Pull off		Press in	26	Plug-in nut 3.5x2.5x5	4		Inspect and replace if necessary.	
11	Torx screw 5.0x16	7	Undo		Connect electrical plug connections at retaining bracket, fix into the centre console and fasten with Torx screws (Item 11).	27	Collar nut	4			
12	Retaining bracket	1	Unclip and disconnect electrical plug connections			28	Holder	1			
13	Rubber insert	1				29	Cover, centre left	1	Unclip	Clip in	
14	Cover	1			Push in cover and fasten with Torx screw (Item 11) 5.0x16.						
15	Shift lever knob	1	Pull off		Push on						
16	Cover	1	Unclip		Fix and clip in						

Please Note: The number 17 fastener is difficult to find. Unclip the change holder and there is a hidden screw beneath it.