

SUBARU WRX 22+ SHORT THROW SHIFTER


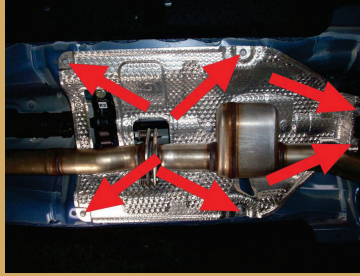
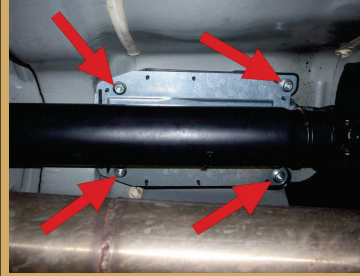


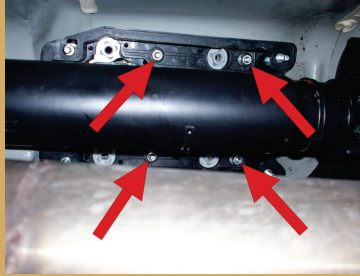



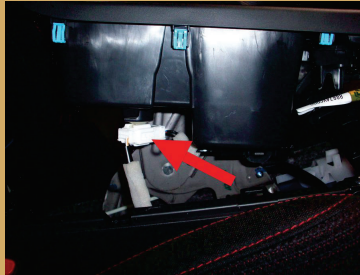

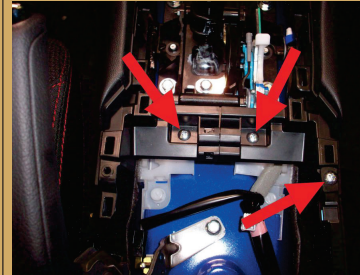
TOOLS REQUIRED



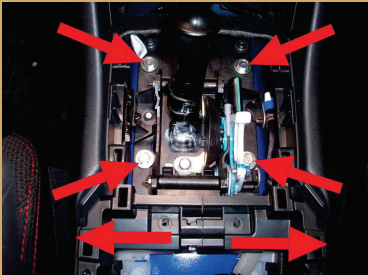
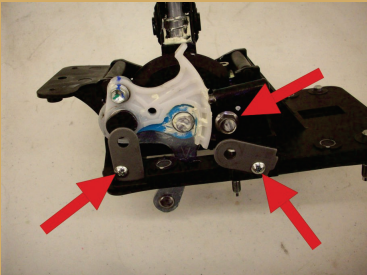
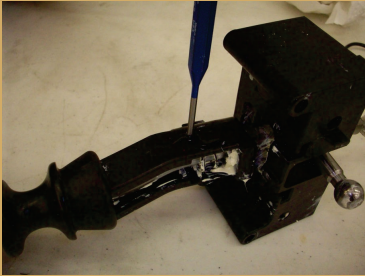
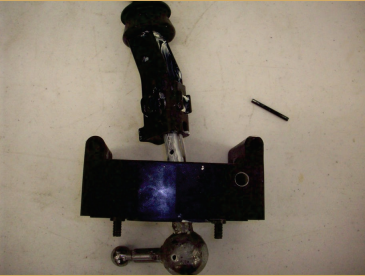
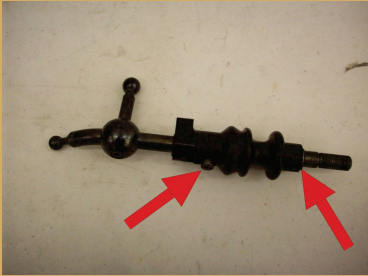
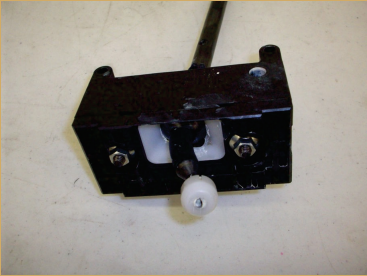


M7, M8, M10, M12 sockets
M10, M12, M15 box
M3, M5 allen wrenches
Flat screw driver
Phillips screw driver
Snap ring pliers

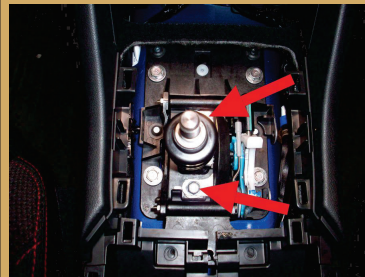
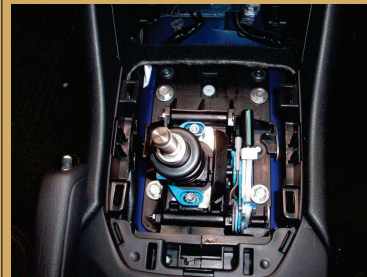



Small punch
Soft hammer

MATERIALS REQUIRED

Mobil 1 synthetic grease

<p>1</p> <p>When lifting the car always use stands to secure the car.</p>	<p>2</p> <p>Remove the heat shield.</p>	<p>3</p> <p>Remove the shifter cover plate.</p>	<p>4</p> <p>Pry off the side shift cable.</p>
			
<p>5</p> <p>Spread the locking spring apart and disconnect the main shift cable.</p>	<p>6</p> <p>Remove the nuts holding the shifter assembly from the bottom.</p>	<p>7</p> <p>Remove the shift knob. If installing the shift knob only skip to the step 33.</p>	<p>8</p> <p>Remove the shifter boot by pulling it upward.</p>
			
<p>9</p> <p>Remove the cup holder. If installing the shift knob only skip to the step 30.</p>	<p>10</p> <p>Disconnect the wire harness.</p>	<p>11</p> <p>Remove the hand brake boot.</p>	<p>12</p> <p>Remove the bolts securing the center console.</p>
			

13	Remove the center console bolts.	14	Remove the center console bolts. Move the center console slightly to the back.	15	16
				19	20
17	18	Remove the shifter subassembly cover and the bottom half of the pivot bushing.	Remove the o-ring.	21	22
				25	26
23	24	27	28		
Punch out the roll pin.	Remove the reverse lock. Remove shift lever from the base.	Prepare Boomba Racing Short Throw Shifter for assembly. Remove the top snap ring and the return springs. Remove the orientation shoulder screw. Remove the reverse lock slide. Grease all ball joints.	Insert the shifter arm into the base. Install the pivot bushing bottom halve and secure the shifter subassembly cover. Install the adaptor bushing on the shifter arm.		
Install the reverse lock slide. Align arrows on the side of the reverse lock and the shifter shaft. Install the orientation shoulder screw. Install return springs and secure them with the snap ring.	Secure the shifter subassembly to the shifter base.	Install and secure the side shift arm. Install the plunger lock and the wire harness brackets.	Install the shifter base and secure it to the floor.		

29	Reinstall the center console and the cup holder.	30	Prepare the Boomba Racing shifter stop.	31	Remove the bolts holding the reverse lock stop.	32	Install the shifter stop and secure it to the base with provided fasteners.
							
33	Prepare the Boomba Racing shift knob.	34	Reinstall the shift boot.	35	Install the shift knob.	36	Align the shift pattern insert and press it into the shift knob.
							
37	Secure shifter to the floor from the bottom. Reconnect the cables. Have someone shift into 3rd gear and push lever all the way forward. Check for the shifter cable adaptor and the housing interference. Trim the housing if necessary.	38	Install the bottom shifter cover and the heat shield.				
