

# boomba VELOSTER N SHIFTER PLATE

## racing, inc. TRANS & SHIFTER BUSHINGS

www.boomboracing.com

### TOOLS REQUIRED

M10 socket wrench  
 M12 socket wrench  
 4 MM allen wrench  
 Flat screw driver  
 Philips screw driver

Pliers  
 Interior pry tool

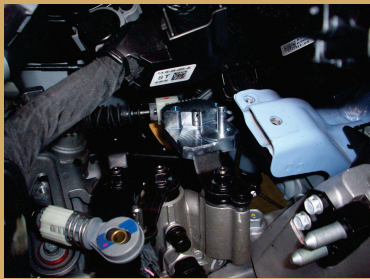
### MATERIALS REQUIRED

Mobil 1 synthetic grease  
 Crazy glue

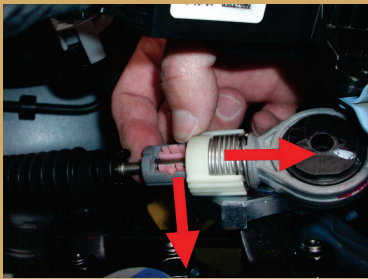
<p><b>1</b></p> <p>Remove the air intake.</p> <p><b>IF INSTALLING THE SHIFTER BASE BUSHINGS ONLY SKIP TO THE STEP 20</b></p>	<p><b>2</b></p> <p>Remove the air filter box.</p>	<p><b>3</b></p> <p>Disconnect the battery terminals. Remove the battery clamp. Remove the battery.</p>	<p><b>4</b></p> <p>Disconnect the ECU connectors. Remove the ECU.</p>
			
<p><b>5</b></p> <p>Remove the battery tray.</p>	<p><b>6</b></p> <p>Remove the screw holding the wire harness.</p>	<p><b>7</b></p> <p>Remove the spring clips. Remove the shifter links.</p> <p><b>IF INSTALLING THE SHIFTER PLATE ONLY SKIP TO THE STEP 12</b></p>	<p><b>8</b></p> <p>Remove the screws holding the shifter cable bracket.</p>
			
<p><b>9</b></p> <p>Remove the shifter bracket's bushings.</p>	<p><b>10</b></p> <p>Prepare Boomba Racing transmission bushings.</p> <p><b>Bushing halves with engraved logo go on the top.</b></p>	<p><b>11</b></p> <p>Secure the shifter cable bracket to the transmission. Super glue the bottom bushings to the bracket.</p> <p><b>IF INSTALLING THE TRANSMISSION BUSHINGS ONLY SKIP TO THE STEP 15</b></p>	<p><b>12</b></p> <p>Prepare the Boomba Racing shift plate.</p>
			



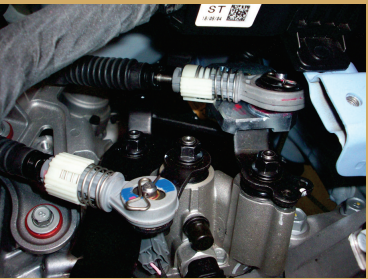
**13** Install the shifter plate and secure it to the arm.



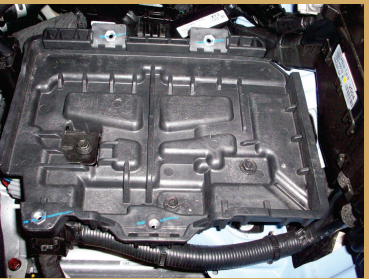
**14** On the main shift cable pull the safety ring. Push the lock clip and extend the link all the way. Lock the clip and release the safety ring.



**15** Grease the shifter pins. Install the shifter links and lock them with the spring clips.



**16** Reinstall the battery tray.



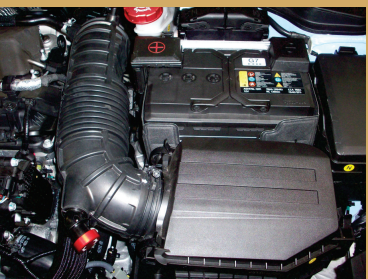
**17** Reinstall and reconnect the ECU.



**18** Install the battery and reconnect the battery terminals.



**19** Reinstall the air filter box and the intake.



**20** Remove the side trim.



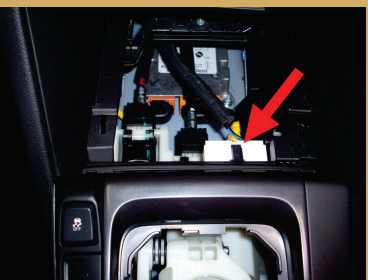
**21** Remove the shift knob by pulling it straight up. Remove the shifter boot.



**22** Remove the shelf cover. Remove the shelf.



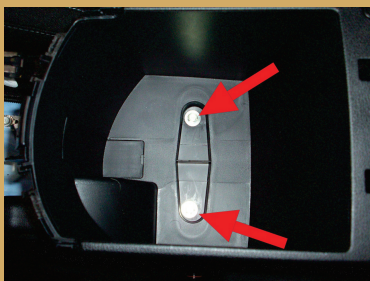
**23** Disconnect the wire harness.



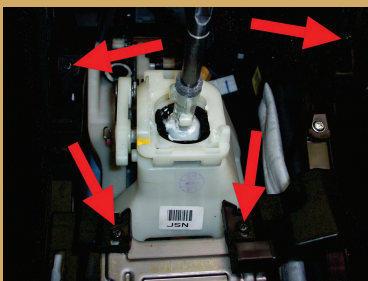
**24** Remove the parking brake cover. Remove the top trim by pulling it up, starting from the back of the trim.



**25** Remove the center console bolts.



**26** Remove the screws securing the center console.



**27** Remove the screw holding the trim under the steering column.



**28** Pull the right side of the trim out to gain the access to the screw holding the center console's side trim.

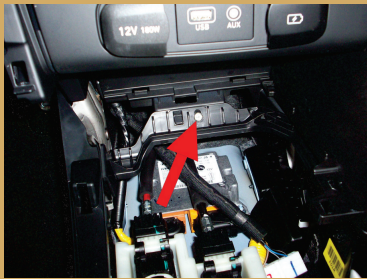




**29** Remove the side trim by pulling it toward back of the car.



**30** Remove the screw holding the center console.



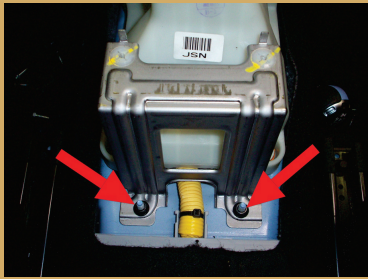
**31** Remove the right side clip.



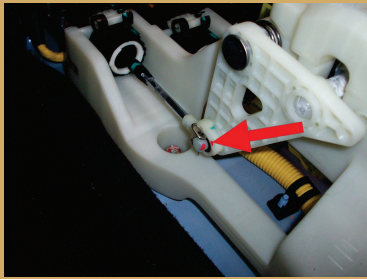
**32** Remove the left side clip.



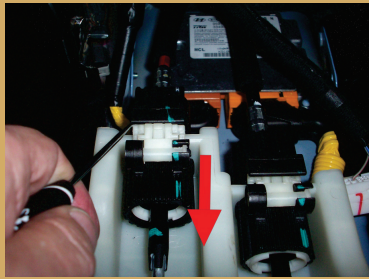
**33** Remove the center console's support bracket.



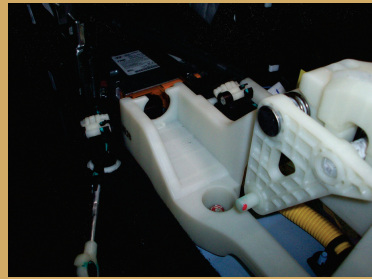
**34** Remove the spring clip securing the side shift link.



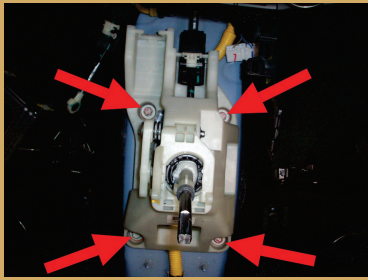
**35** Unlock both shift cables by pulling the safety ring toward the back of the car and lifting the lock clip. The lock clip should stay in upper position preventing the safety ring from moving back.



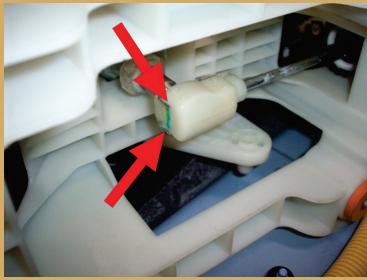
**36** Remove the side shift cable from the shifter base.



**37** Remove all of the bolts securing the shifter base.



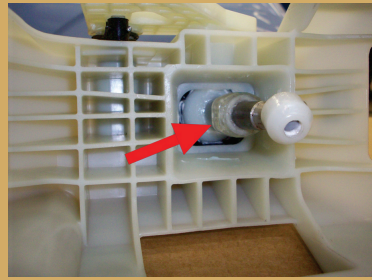
**38** Turn shifter on its side. Separate the spring clips and disconnect the main shift cable.



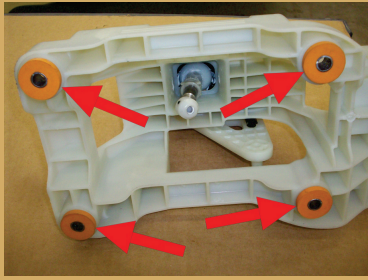
**39** Remove the main shift cable from the shifter base. Remove the shifter base.  
**IF INSTALLING THE SHIFTER BUSHINGS ONLY SKIP TO THE STEP 41**



**40** Completely remove the rubber bumper from the shifter arm.



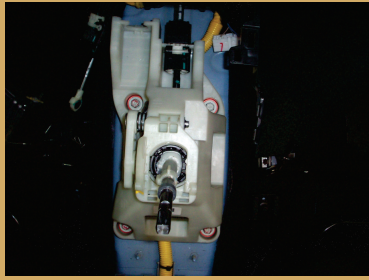
**41** Remove the shifter bushings.



**42** Prepare Boomba Racing shifter bushings.  
**Bushing halves with engraved logo go on the top.**



**43** Connect the main shift cable and lock it to the shifter base. Install the shifter bushings. Secure shifter base to the floor.



**44** Connect the side shift cable and lock it to the shifter base.



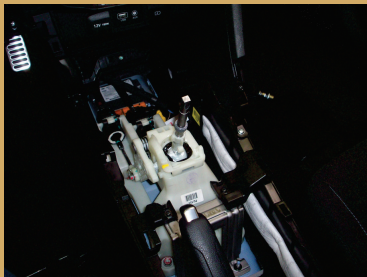
45

Install the center console's support bracket.



46

Reinstall the center console.



47

Reinstall the side trim and the steering column trim.



48

Reinstall the top trim, the shelf with the cover, the shifter boot, the shift knob and the side trim.

