



CTS Billet Short Shifter Install Instructions



Included in the kit: CTS Turbo billet short shifter with two replacement cable pin connectors. Confirm which size pin is used in your vehicle before attempting installation. As a general rule: MK4 vehicles use the “fat” pin and MK5/MK6 vehicles use “skinny” pin.

Have the following tools at hand:

- 13mm socket and ratchet
- Philips screwdriver
- Pliers

Make sure the car is COOLED OFF before starting the install. Installation pictures are provided for your reference only and the car used for this install is a 2011 VW GTI.

Step 1: Remove the forward air inlet cover.



Step 2: Remove the MAF sensor cable by carefully undoing the clip. Using a pair of pliers, undo the spring clamp holding the MAF housing to the intake hose.



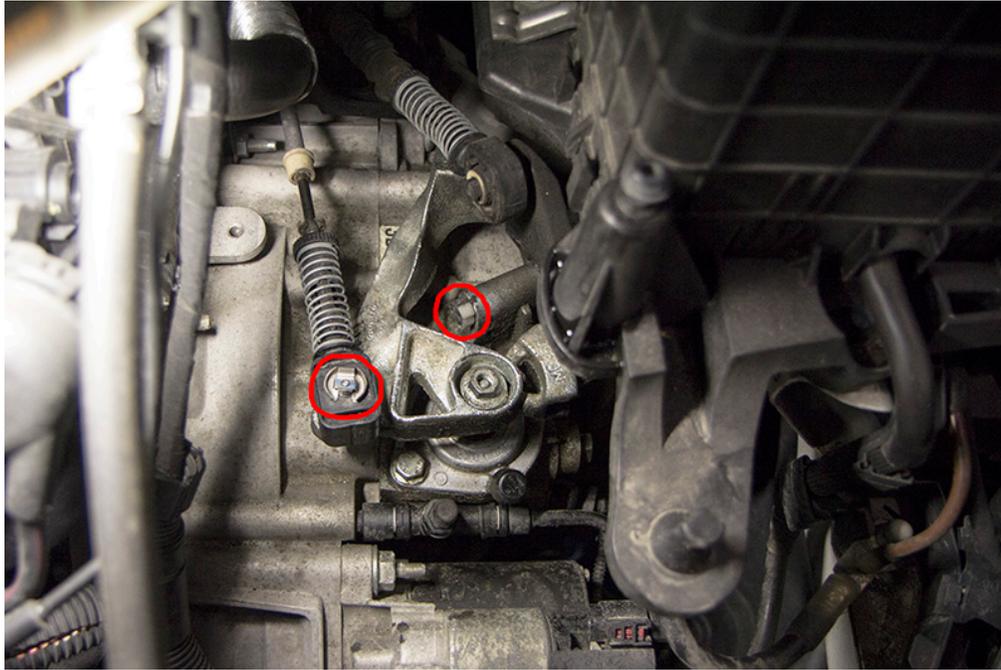
Step 3: Remove the 8 screws holding the top of the airbox to the base. Remove the airbox lid and air filter.



Step 4: Pull the main box free followed by the front inlet.



Step 5: Pull the 2 clips out holding the left cable pin and right pivot pin in place.



Step 6: Push the black pin into its case.



Step 7: Lift the cable end off its pivot pin. Take your 13mm ratchet and loosen the nut holding the shifter weight to the transmission.

Note: With the transmission in neutral, loosen the 13mm nut halfway. Then place a block underneath the shift weight to prevent it from being pushed down. Take a hammer and **lightly** tap the top of the nut to dislodge the shift weight from the shaft.



Step 8: Install the cable pin in the desired position. Outside bolt hole is 20% reduction. Inner bolt hole is 35% reduction. Align the splines of the weight with the transmission shaft spline.



Step 9: Tighten the 13mm nut and confirm everything is connected. Inside the car, check the short shifter by shifting through ALL the gears. Make sure you are happy with the reduction in throw, change the pin position and test again.

Follow Steps 1 through 6 in reverse to install the new short shift and reinstall the airbox or your air intake system.



You Are Done!

**CTS
TURBO**