

## MINI MANIA SHORT SHIFTER INSTALLATION INSTRUCTIONS

P/N NMD1025

Mini Mania's Short Shift kit is designed to reduce the shifter throw to enable faster gear shifts. This kit installs underneath the car with no need to disassemble the console and shifter inside the car.

The shifter throw is shortened by lengthening the rod between the pivot point of the shifter and the cable. This shortens the throw for the driver, but increases the throw inside the shifter box. This requires the shift box cover to be modified - an opening will need to be cut in order to accept a new lower box cover.

Some customers have opted to leave off the dust cover as this area under the car is well protected by a full length heat shield.

The Short Shift Kit includes:

- Instructions
- Shifter Extension
- Dust Cover extension

### CAUTION:

- Working under the car can be dangerous – take all necessary precautions to ensure a safe working environment.

### GAINING ACCESS

1. Lift the car using a lift or jack stands. Make sure the car is secure before you start. You will need access to the center tunnel.
2. Remove the exhaust system to gain access to the shifter box. You need access to the center tunnel. (Some aftermarket exhaust systems have a center piece which can be removed for adequate access.)
3. Remove the heat shield along the center tunnel.
4. Carefully remove the bottom cover to the shifter box by releasing the tabs on all four sides.

### SHIFTER EXTENSION

5. The Shifter cable is the longer of the two inside the box. Using firm pressure, pull off the cable from the shifter ball joint. (Releasing the cable can take some effort.)
6. Slip the Shifter extension piece over the factory shifter. Using the appropriate allen wrench, secure the shifter extension. You can add a dab of Loc-tite for piece of mind.
7. Re-attach the shifter cable on the extended shifter rod. Make sure it snaps on all the way.



#### SHIFT BOX COVER

8. Place the new dust cover extension over the factory dust cover. Note the area that needs to be cut to accommodate the extended box. The required opening should be about 3.5" x 6.25".
9. Cut the required opening.
10. Re-install the dust cover with the opening and perform the clearance check below.

#### CLEARANCE CHECK

11. From inside the car, place the car in Reverse, check clearance.
12. Also test 5<sup>th</sup> and 6<sup>th</sup> gear (Cooper S) or 1<sup>st</sup> and 2<sup>nd</sup> gear (Cooper).

#### RE-ASSEMBLY

13. Once clearance is confirmed, attach the dust cover extension onto the factory dust cover using epoxy or rivets. When using rivets, make sure the rivets do not interfere with the shift arm movement. Allow time for drying if using epoxy.
14. Take the O Rings from the old dust cover and install onto the new cover.
15. Re-install the new dust cover supplied with the kit, confirm that all the tabs lock in place.
16. Check again to make sure all gears are selectable.
17. Re-install the heatshield and exhaust system.

#### FINAL CHECK

18. After the car is fully reassembled, check to make sure you can shift into all gears.
19. Now you are ready for a test drive!

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