



**6 SPEED CONVERSION KIT**  
*TCK005 – 1967-1969 F-BODY*

**NOTE:** This installation covers only the kit components. Aftermarket shifters, clutch master cylinders and/or pedal assemblies may also be required for this installation and are not covered in this instruction sheet.

**CROSS-MEMBER INSTALLATION:**

1. Lift vehicle and support safely with stands.
2. To proceed, the original transmission and crossmember should be removed and the new transmission supported in the approximate location. See **IMAGE 1** below.
3. Install the supplied polyurethane transmission mount to the transmission using the OE mounting bolts. See **IMAGE 2** below.



4. Install the BMR frame brackets as shown in **IMAGE 3** below using the OE mounting holes in the factory subframe. Use the provided 3/8" x 1" bolts, nuts, and washers, placing a washer on both the top and bottom of the mounting bolts. Do not fully tighten the mounting bolts at this time but tighten them just enough to still allow adjustment. After installing both brackets, the setup should look similar to **IMAGE 4** below.



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## 6 SPEED CONVERSION KIT

TCK005 – 1967-1969 F-BODY

CONTINUED

5. Install the crossmember and bolt it to the transmission mount using the provided 7/16" mounting bolt. Leave the bolt slightly loose to allow for final adjustment. (**IMAGE 6**)
6. Using the provided 5/16" x 1" bolts, mount the crossmember to the previously installed frame mounts. Use the provided SAE washers on the slotted side of the connection. Once all 8 bolts are installed, tighten both sides as shown in **IMAGE 7**.
7. Adjust the entire assembly left to right to center the transmission in the tunnel then tighten the outer mounting bolts at the subframe using a 9/16" wrench and socket. (**IMAGE 8**)
8. Tighten the center transmission mounting bolt using a 5/8" socket.



### CLUTCH PEDAL TAB AND CLUTCH MASTER CYLINDER MOUNTING BRACKET INSTALLATION:

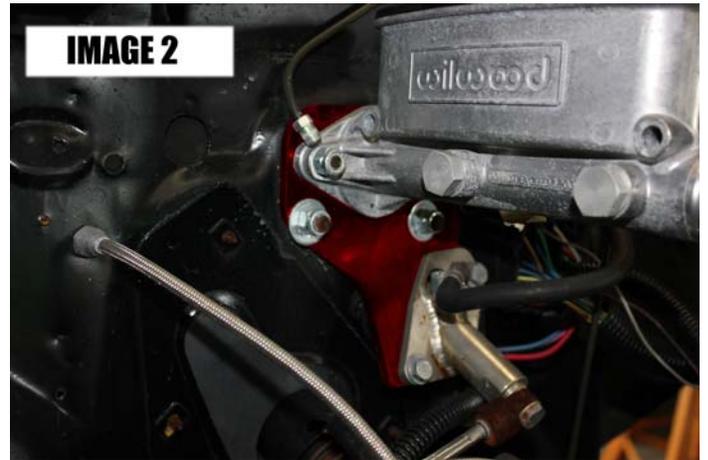
1. Un-bolt the master cylinder pushrod from the brake pedal under the dash.
2. Remove the power brake booster from the firewall by loosening the (4) mounting bolts under the dash.
3. Pull the booster out far enough to install the BMR Clutch Master Cylinder Mounting Plate so that it "sandwiches" between the booster and the firewall as shown in **IMAGE 2** on the next page. Re-install the power brake booster bolts and tighten.



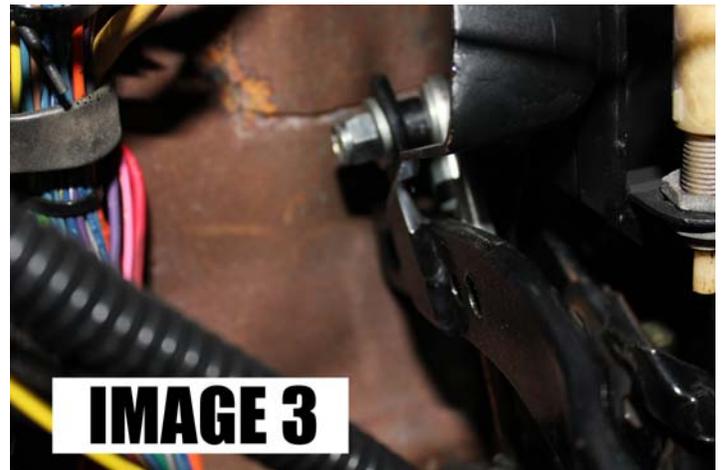
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**TCK005 – 1967-1969 F-BODY**  
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4. Using the Clutch Master Cylinder Mounting Plate as a guide, mark the firewall to cut the access hole for the clutch master cylinder pushrod.
5. Using a hole saw, cut the firewall appropriately to allow the clutch master cylinder to mount into place. Since there are multiple master cylinders available for this application, it is up to the end user to determine the location and size of hole.
6. Mount the clutch master cylinder using the supplied bolts and lock washers then tighten using a 7/16" wrench.



7. Proceed to the clutch pedal. Note the location of the clutch master cylinder pushrod in relation to the clutch pedal at full extension (closest to driver). Position the BMR brake pedal tab onto the clutch pedal at the proper position, aligning the master cylinder pushrod hole to the hole in the brake pedal tab. Clamp the tab to the pedal with a set of vise grips.
8. Remove the clutch pedal then weld the tab to the pedal.
9. Re-install the brake pedal and attach the pushrod to the clutch pedal. (**IMAGE 3**) NOTE: due to variations in pushrod length and hole diameters, BMR does not provide a bolt for this application.



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*This product is an aftermarket accessory and not designed by the vehicles manufacturer for use on this vehicle. As such, buyer assumes all risk of any damage caused to vehicle/person during installation or use of this product.*