Installation Instructions
HURST BLACKJACK SHIFTER
1959-1964 Impala
Tremec TKO 500/600 Transmission
Catalog# 3912001

WORK SAFELY! It is recommended that the installation be performed prior to installing the transmission in the vehicle. If you are installing in a transmission already in the vehicle, for maximum safety, perform on a clean, level surface and with the engine turned off. Place blocks or wedges in front of and behind both rear wheels to prevent movement in either direction.

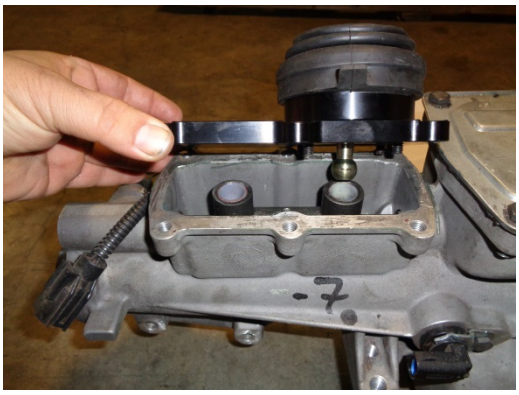
CLEANLINESS! It is critical to perform this work in a clean environment to ensure that dirt, dust or other contaminants don't get introduced into the transmission case.

Remove the six bolts securing the original Tremec shifter assembly to the transmission case and remove the shifter. A few light taps with a plastic mallet may help break the seal.

The shifter boot that is included with the stock Tremec shifter can be re-used on the Hurst shifter. To use this boot, it will need to be modified by cutting off the bottom section of the boot as shown.

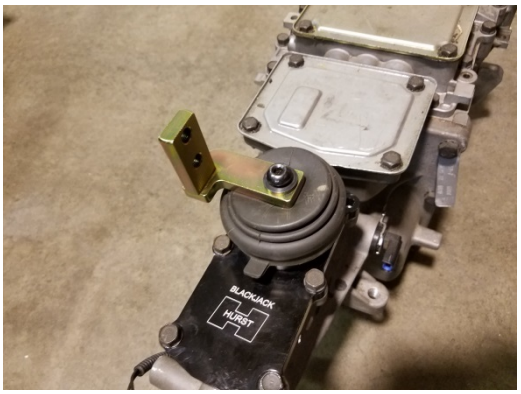
Install the modified boot onto the Blackjack shifter. Confirm that the rubber boot does not interfere with shifter movement and that the shifter lever movement is not restricted or binding at full travel positions. Failing to do so could result in the shifter popping out of gear and damaging the transmission.

The shifter “body” will be in the forward position on the rear TKO shifter cavity. Make sure the pivot ball is positioned into the forward socket and that the white plastic bushing is still in place.



When you are sure your shifter is correctly positioned, apply a new bead of RTV sealer to the lip of the shifter cavity and mount the shifter by re-using the six, 5/16” bolts. Torque the bolts to 20 ft/lbs.

Position the offset stub onto the shifter and make sure that it is offset towards the driver’s side as seen in the photo. Secure the offset stick with the provided 3/8”-24 Button Head bolt and washer, and torque to 35 ft/lbs.



Attach the Chrome Hurst shift handle to the lower stub stick using the supplied hardware. This shifter locates the handle in nearly the same location as the stock shifter hole in the floor. There may be some modification required to the floor or tunnel area to accommodate the larger size of the Tremec transmission.

Install the shift knob onto the stick. Align the logo on the shift knob accordingly and tighten the jam nut up against the knob. A few drops of Loctite will help prevent the knob from loosening.

CAUTION! Over tightening the knob down onto the stick will eventually cause the knob to crack.
ALLOW LOCTITE TO DRY.

Before operating the vehicle, test the shifter through all gears making sure that each gear, including reverse, can be engaged fully and smoothly without rough movement or binding. Also, ensure that the shifter fully and smoothly self-centers in the neutral position and does not hang in the reverse, 1st-2nd gear, or reverse gear plane. Correct any problems before operating the vehicle. Start the vehicle and carefully test engaging first gear and the reverse gear. Ensure that the reverse lights illuminate when the reverse gear is selected.

WARNING! Failure to easily distinguish between first and the reverse gear can result in damage, injury, and/or death.

IMPORTANT: RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE

Technical Service

A highly trained technical service department is maintained by Hurst Performance to answer your technical questions, provide additional product information and offer various recommendations.

Technical service calls, correspondence, and warranty questions should be directed to:

Hurst Performance Products

(707) 544-4761

www.Hurst-Shifters.com