



HURST NOISE, VIBRATION, & HARSHNESS (NVH) REDUCTION KIT

2009 and up Dodge Challenger

Catalog #3916020BA-03

©2010 by Hurst Performance

IMPORTANT! THIS KIT IS INTENDED TO AID IN THE REDUCTION OF AUDIBLE NOISE AS A RESULT OF OPERATING HARMONICS AND VIBRATION THAT IS DIRECTLY TRANSMITTED THROUGH THE SHIFT LINKAGE IN CONJUNCTION WITH USE OF HURST SHIFTER PART NUMBER 391 6020 AND ORIGINATING IN THE ENGINE AND/OR TRANSMISSION (AND RELATED COMPONENTS). HOWEVER, IT IS NOT INTENDED TO COMPLETELY ELIMINATE THE INHERENT VIBRATION THAT IS PRESENT IN ALL VEHICLES. IF YOUR VEHICLE DOES NOT EXHIBIT EXCESSIVE VIBRATION NOISE AT THE SHIFTER, **DO NOT INSTALL THE COMPONENTS WITHIN THIS KIT.** FURTHERMORE, **DO NOT INSTALL THIS KIT IF YOUR VEHICLE WILL BE USED IN ANY FORM OF RACING AND/OR COMPETITIVE DRIVING,** AS OVER ALL STRENGTH AND DURABILITY AS WELL AS SHIFT QUALITY AND FEEL MAY BE DIMINISHED WITH THE USE OF THIS KIT.

These instructions and components within this kit should be used as a guide and are not intended to mask internal problems of the transmission, clutch (and related clutch components), or engine components that may have been modified and/or may have degraded. Each individual vehicle is different and may have different harmonics that change with varying vehicles, driving, wear, and atmospheric conditions. Thus, the suggestions that follow may work better in some vehicles than others and may not completely eliminate vibration noise to certain customer's satisfaction. A fair amount of experimentation and testing may be required to reduce audible vibration noise to acceptable levels.

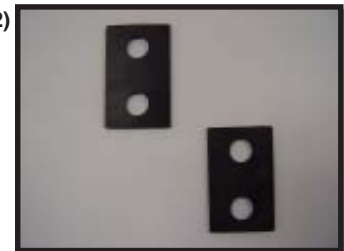
WORK SAFELY! Perform this installation on a good clean level surface for maximum safety and with the engine turned "off". Ensure that the parking brake is set and that the vehicle will not move if accidentally started. Allow sufficient time for the vehicle to cool prior to beginning installation.

PARTS

Dynamat® Square (2)



Neoprene Isolators (2)



Washers (2)



Screws (2)

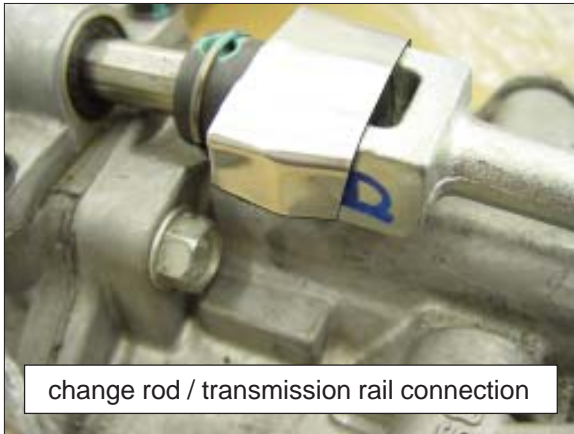


DYNAMAT® APPLICATION:

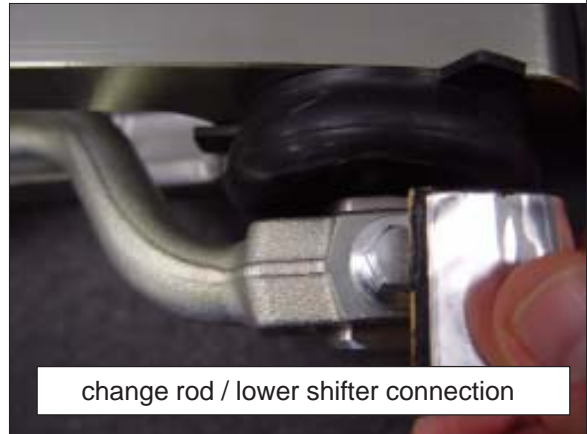
Trim Dynamat® to size-

Various effective application locations-

NOTE: Apply even pressure over the entire back (foil) surfaces of the Dynamat® during installation to ensure complete and proper adhesion.



change rod / transmission rail connection



change rod / lower shifter connection



lower stick / upper handle connection



change rod / transmission rail connection

NEOPRENE ISOLATOR APPLICATION:

NOTE: This step should only be implemented if the above Dynamat® application is insufficient to eliminate noise.

Separate the upper and lower Hurst Shifter stick levers by unscrewing the connecting bolts and then position the supplied neoprene isolators (2) between the upper and lower stick halves and retighten with supplied, longer bolts and new washers. Ensure the bolts will not come loose during repeated hard driving. Periodic inspection and verification may be necessary.

