



## **SSM 52295 2021-2023 F-150, 2023-2024 Expedition/Navigator - 3.5L EcoBoost - Rattle/Scraping Noise From Bellhousing Area On Start-Up**

Some 2021-2023 F-150 and 2023-2024 Expedition/Navigator vehicles equipped with a 3.5L EcoBoost engine may exhibit a rattle/scraping noise from the bellhousing area on start-up. This may be due to the torque converter studs contacting the engine-to-transmission spacer plate (separator plate). To correct this condition, remove the transmission and flexplate and inspect the engine-to-transmission spacer plate and torque converter studs for wear/damage. If wear/damage is found, replace engine-to-transmission spacer plate. Refer to Workshop Manual (WSM) Section 303-01 Engine - 3.5L EcoBoost (BM), Removal and Installation, Crankshaft Rear Seal. When reinstalling the starter motor, be sure the starter is flush with the engine-to-transmission spacer plate prior to tightening the studbolts. Failure to do so may result in damaging newly installed engine-to-transmission spacer plate.