Release date: 06/11/2021

34-21-01TT - **Grinding Noise when Engaging Reverse Gear on Vehicles with Manual Transmissions**

Condition

ATTENTION:
THIS IS A TECH TIP, NOT A TECHNICAL BULLETIN.
TECH TIPS ARE NOT ASSOCIATED WITH WARRANTY CLAIMING.

Applicable Vehicles

Model(s)	**Year**	**Eng. Code**	**Trans. Code**	**VIN Range From**	**VIN Range To**
All	2015 - 2021	All	Manual	All	All

Revision Table

Instance Number	**Published Date**	**Version Number**	**Reason For Update**
2063701/1	6/11/21	34-21-01TT	Original publication.

Technical Background

On models equipped with a manual transmission, complaints of the transmission grinding while going into reverse, are the result of the input shaft not slowing down enough to engage the non-synchronized reverse gear. Under these conditions, the gears clash and make grinding noise. This information is applicable to any manual transmission.

Service

The correct operation will help prevent this from occurring. Bring the vehicle to a complete stop for 2 seconds, make sure the RPM's are below 1000 and then select the reverse gear. This should prevent the noise from happening. There is no repair for this perceived concern, as this is a normal characteristic of a manual transmission with a non-synchronized reverse gear.

Additional Information