	GROUP Drivetrain	MODEL All Models w/ AWD
	NUMBER PS750	DATE September 2023



TECHNICAL OPERATIONS

SUBJECT: **AWD SYSTEM CONCERN DUE TO TIRE CIRCUMFERENCE**

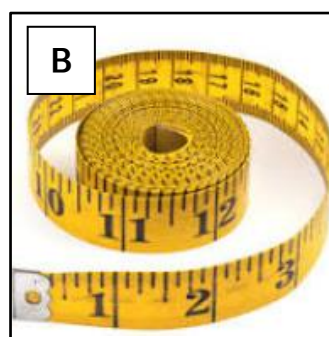
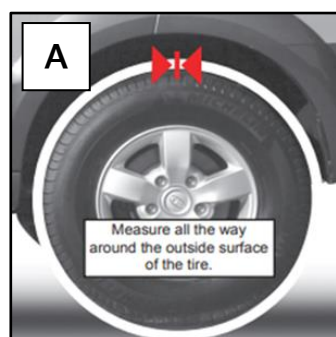
This Pitstop provides information regarding potential concerns with the All-Wheel-Drive (AWD) system due to tire sizes of differing circumference. Some customers may complain of a chatter sensation felt in the drivetrain of the vehicle and/or the failure of drivetrain component(s). A difference in tire size (width, aspect ratio, construction, rim diameter etc.) may be the cause.

To prevent chattering, premature wear and/or failure of the AWD components, ensure the tires are rotated at the interval specified in the maintenance section of the Owner's Manual. The circumference between all four (4) tires should be within 10mm of each other. To inspect the difference in tire circumference, refer to the measurement procedure listed below. If a variance of over 10mm is found, all four (4) tires will require replacement. For information regarding the correct tire size, always refer to the tire information placard found in the driver's door jamb, the Owner's Manual or the Service Information found on KGIS.

IMPORTANT - Some AWD-equipped vehicles may be equipped with staggered-sized tires (size difference between front and rear axles). To ensure the correct tire size is installed, always check the tire information placard found in the driver's door jamb, the Owner's Manual and/or the Service Information found on KGIS.

Measuring Tire Circumference

1. Raise vehicle until all four (4) tires are off the ground.
2. Measure the circumference of each tire (A) by using a non-metallic, flexible measuring tape (B).



3. If the difference in tire size is 10mm or greater, the tires will need to be replaced.