

 **HYUNDAI**
Technical Service Bulletin

GROUP STEERING	NUMBER 22-ST-007H
DATE MAY 2022	MODEL(S) ELANTRA N (CN7N), KONA N (OSN), VELOSTER N (JSN)

SUBJECT: N VEHICLE LOW SPEED TIRE SCRUB CONDITION (SHUDDER FEEL)

Description: N Vehicles are designed to maximize dynamic steering performance. In normal Ackerman steering geometry, the inner front tire turns more than the outer tire to help cornering in low-speed situations, i.e., parking lot maneuvering or sharp U-turns. N vehicles have a steering geometry optimized for performance driving. The N vehicle's steering angle difference between the front wheels is reduced to enhance cornering performance. While this helps in high performance driving conditions, it can cause a higher level of tire side scrub that may create a slow shudder or vibration while turning at full steering lock. The feel is similar to turning a 4WD vehicle on dry asphalt when locked in 4WD. This shudder or vibration at parking lot speeds is normal, and no repairs should be performed.

Additionally, the summer tires on the N vehicles can make the shudder or vibration more pronounced in cold ambient conditions.



Applicable Vehicles: All MY Elantra N (CN7N), Kona N (OSN), and Veloster N (JSN)

NOTICE

- This TSB does not apply to vehicles featuring the “N-Line” trim level.
- Warranty claims for shuddering or vibration while turning in low-speed situations should be thoroughly evaluated.
- Unnecessary repair(s) and replacement(s) may result in warranty chargebacks.