



HYUNDAI Technical Service Bulletin

Group	CHASSIS
Number	04-50-005
Date	MAY, 2004
Model	ALL

Subject

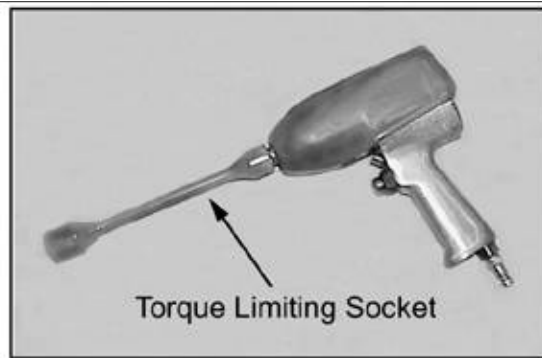
WHEEL LUG NUT TORQUE - SERVICE TIP

This bulletin supersedes TSB# 03-50-003.

DESCRIPTION:

This bulletin provides the proper procedure for torquing the wheel lug nuts.

CAUTION: Do not use an air impact tool for wheel lug nut installation without the applicable torque limiting socket.



Air impact tools can generate up to 300 lb-ft (400 Nm) of torque. This amount of torque exceeds the Hyundai wheel lug nut torque specification. Overly torqued and/or unevenly torqued wheel lug nuts may cause the following:

- Distortion of the wheel hub
- Distortion of the brake disc
- Increased brake disc runout
- Brake vibration and pulsation
- Damage to the wheel rim
- Damage to the wheel lug nuts and lugs
- Steering wheel vibration and shimmy

PROCEDURE:

All wheel lug nuts should be tightened to specification using a torque wrench or using an applicable torque stick (torque limiting impact socket) supplied by ACCUTORQ™ (or equivalent) on a 1/2 inch drive impact tool. The "ACCUTORQ™" lug nut socket limits the torque of the air impact tool, preventing over tightening or uneven tightening of the wheel lug nuts.

For the correct wheel lug nut torque specification, refer to the appropriate Shop Manual. The chart below summarizes the factory recommended wheel lug nut torque specification:

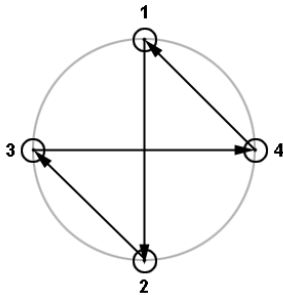
MODEL	WHEEL LUG NUT TORQUE
Accent	80 lb-ft (110 Nm) * * May use 21 mm, 1/2 inch drive, Light Brown color ACCUTORQ™ impact socket (or equivalent) for this application.
Elantra	
Tiburon	
Sonata	
Santa Fe	
XG350	



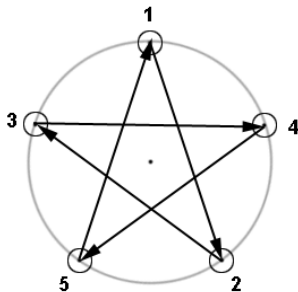
NOTE:

1. Follow the wheel lug nut torquing pattern as shown.

4 Lug Torquing Pattern



5 Lug Torquing Pattern



2. Always use the correct specification ACCUTORQ™ lug nut torque stick for the application (color of the tool indicates the torque specification).
3. Do not use a torque stick to remove wheel lug nuts.
4. Do not use air impact tools on **locking** wheel lug nuts. They are to be hand-torqued only.