



How to change front
wheel bearing on
**HYUNDAI Grand Santa
Fé (DM)** – replacement
guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:

HYUNDAI Grand Santa Fé (DM) 3.3 All-wheel Drive, HYUNDAI Grand Santa Fé (DM) 2.2 CRDi All-wheel Drive, HYUNDAI Grand Santa Fé (DM) 3.4 AWD, HYUNDAI Grand Santa Fé (DM) 3.0 GDi All-wheel Drive

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: HYUNDAI SANTA FÉ II (CM) 2.2 CRDi

REPLACEMENT: WHEEL BEARING – HYUNDAI GRAND SANTA FÉ (DM). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- All-purpose cleaning spray
- Copper grease
- Torque wrench
- Combination spanner #18
- Drive socket # 14
- Drive socket # 17
- Drive socket # 18
- Drive socket # 32
- Wheel impact socket #21
- Ratchet wrench
- Phillips screwdriver
- Hammer
- Pin punch
- Nippers
- Pliers
- Crow bar
- Wheel chock

Buy tools

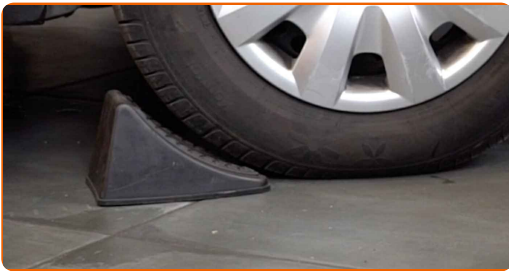
AUTODOC recommends:

- Do not re-use the bearing assembly of your HYUNDAI Grand Santa Fé (DM) car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car – HYUNDAI Grand Santa Fé (DM) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1

Secure the wheels with chocks.



2

Loosen the wheel mounting bolts. Use wheel impact socket #21.



3

Raise the front of the car and secure on supports.

4

Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
HYUNDAI Grand Santa Fé (DM)

5

Remove the wheel.

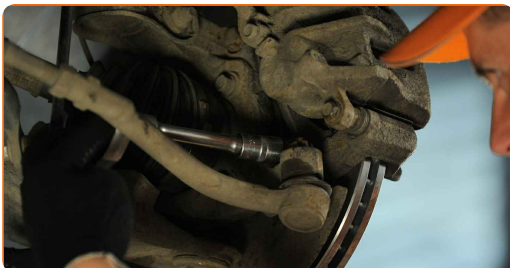


6

Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.

7

Unscrew the caliper bracket fastening. Use a combination spanner #17. Use a drive socket #17. Use a ratchet wrench.



8

Remove the brake caliper together with its bracket.



Replacement: wheel bearing – HYUNDAI Grand Santa Fé (DM). AUTODOC experts recommend:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

9

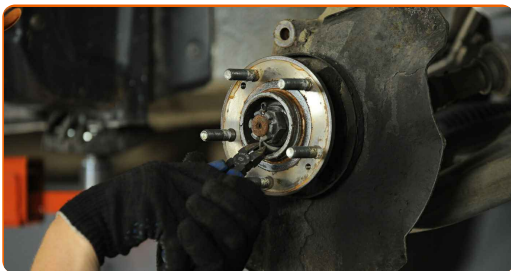
Clean the brake disc fasteners. Use a wire brush. Use WD-40 spray.

10

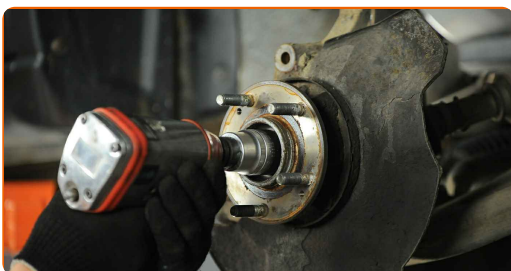
Unscrew the brake disc mounting bolts and remove it. Use a Phillips screwdriver.



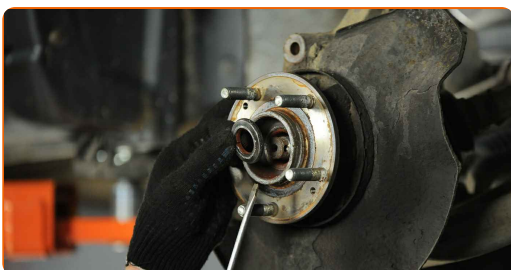
11 Remove the cotter pin securing the hub nut. Use nippers.



12 Unscrew the hub nut. Use a drive socket #32. Use a ratchet wrench.

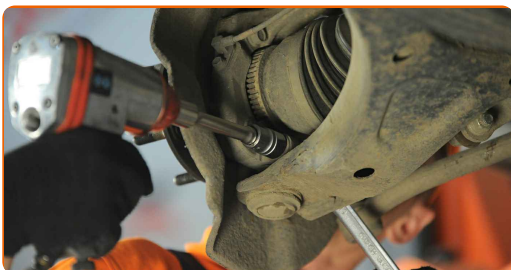


13 Remove the fastening nut.

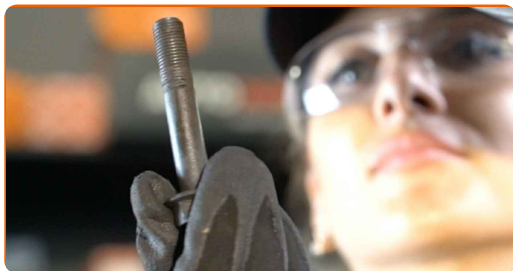


14 Clean the fastener connecting the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.

15 Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #19. Use a drive socket #18. Use a ratchet wrench.

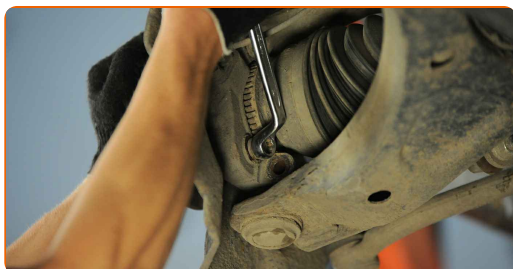


16 Remove the fastening bolt. Use a hammer. Use a pin punch.

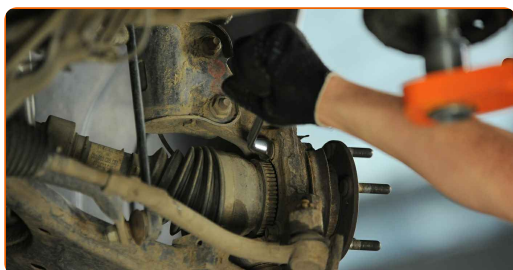


17 Disconnect the ball joint from the steering knuckle.

18.1 Unscrew the fastener that connects the wheel hub bearing to the steering knuckle.



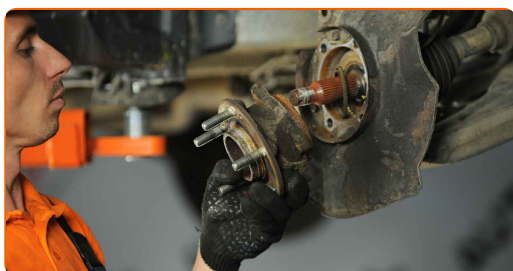
18.2 Use a drive socket #14. Use a ratchet wrench.



19 Remove the fastening bolts.

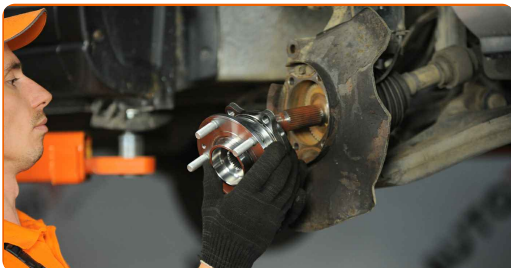
20 Detach the driveshaft from the steering knuckle. Use a hammer.

21 Remove the hub and the bearing together, since they are a sealed unit.



22 Clean the wheel hub mounting seat. Use all-purpose cleaning spray.

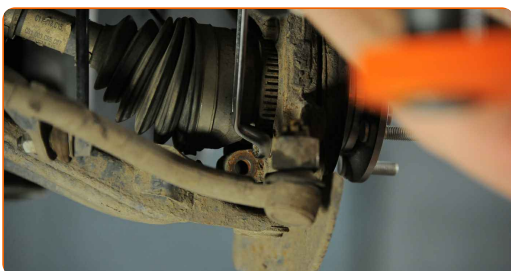
23 Install the new wheel hub together with the bearing.



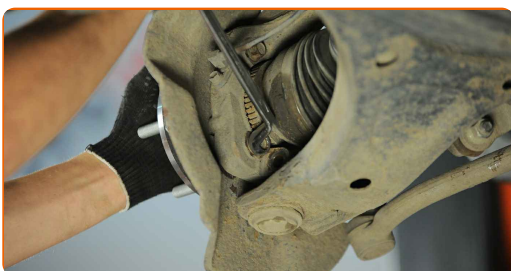
24 Install the drive shaft into the wheel hub.

25 Install the fastening bolts.

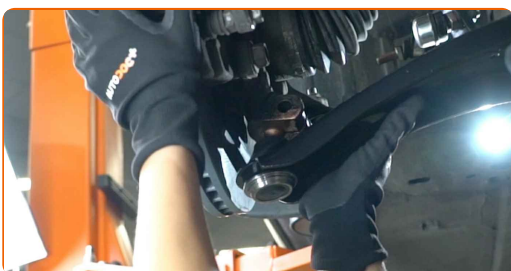
26.1 Tighten the fastener of the wheel hub bearing.



26.2 Use a combination spanner #14. Use a drive socket #14. Use a torque wrench. Tighten it to 50 Nm torque.



27 Connect the ball joint to the steering knuckle.

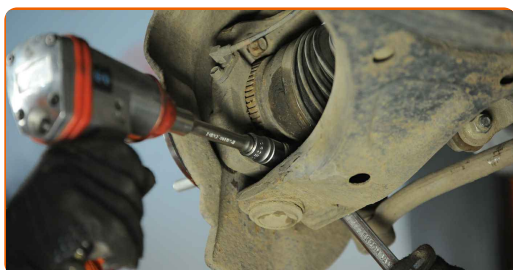


28 Install the fastening bolt. Use a hammer.

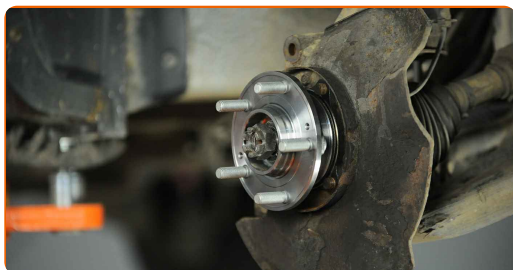


29 Screw the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #19. Use a drive socket #18. Use a ratchet wrench.

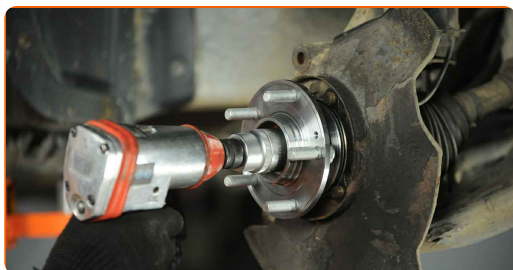
30 Tighten the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #19. Use a drive socket #18. Use a torque wrench. Tighten it to 98 Nm torque.



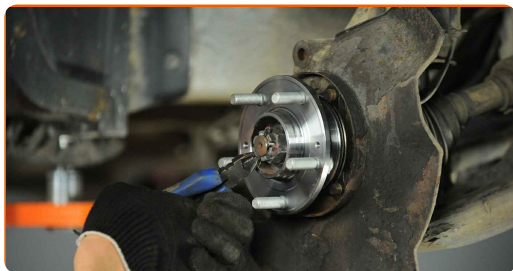
31 Install the fastening nut.



32 Tighten the wheel hub nut. Use a drive socket #32. Use a torque wrench. Tighten it to 195 Nm torque.



33 Install a new hub nut cotter pin. Use nippers. Use a hammer.



34 Treat the hub where it contacts the brake disk. Use copper grease.

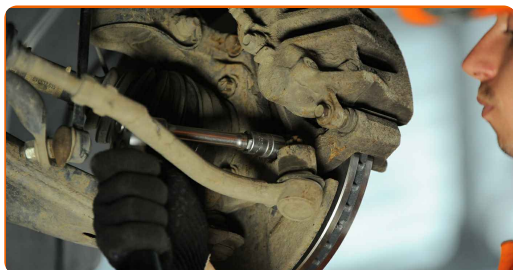
35 Install the new brake disc on the hub and screw in the mounting bolts. Use a Phillips screwdriver.



36 Install the brake caliper together with its bracket.



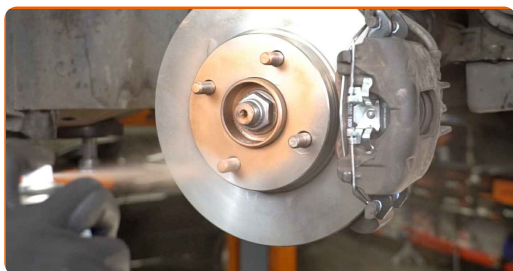
37 Tighten the brake caliper bracket. Use a combination spanner #17. Use a drive socket #17. Use a torque wrench. Tighten it to 85 Nm torque.



38 Clean the wheel rim mounting seat. Use a wire brush.

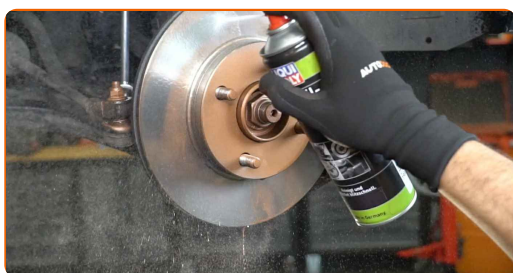
39

Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



40

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: wheel bearing – HYUNDAI Grand Santa Fé (DM). After applying the spray, wait a few minutes.

41

Install the wheel.



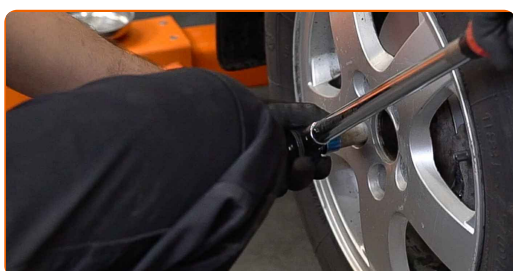
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. HYUNDAI Grand Santa Fé (DM)

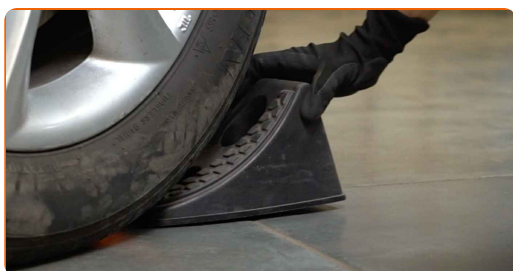
42 Screw in the wheel bolts. Use wheel impact socket #21.



43 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #21. Use a torque wrench. Tighten it to 108 Nm torque.



44 Remove the jacks and chocks.



WELL DONE! 

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WHEEL BEARING: A WIDE SELECTION

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