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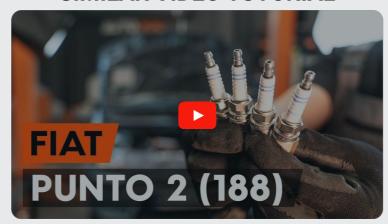
How to change spark plugs on **FIAT Strada Pickup (178_)** – replacement guide







SIMILAR VIDEO TUTORIAL



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

(i) Important!

This replacement procedure can be used for: FIAT Strada Pickup (178_) 1.4, FIAT Strada Pickup (178_) 1.2

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: FIAT PUNTO (188) 1.2 60

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REPLACEMENT: SPARK PLUGS – FIAT STRADA PICKUP (178_). LIST OF THE TOOLS YOU'LL NEED:



- High-temperature anti-seize lubricant
- Drive socket # 10
- Drive socket # 16
- Spark plug socket # 16
- Ratchet wrench

- Torque wrench
- Crow bar
- Flat Screwdriver
- Microfibre towel
- Fender cover

Buy tools

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Replacement: spark plugs – FIAT Strada Pickup (178_). Tip from AUTODOC:

- The replacement procedure is the same for all spark plugs.
- All work should be done with the engine stopped.

REPLACEMENT: SPARK PLUGS – FIAT STRADA PICKUP (178_). TAKE THE FOLLOWING STEPS:

- 1 Open the hood.
- Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.
- Unscrew the filter housing fastening bolts. Use a drive socket #10. Use a ratchet wrench.



Remove the air filter housing retaining spring.



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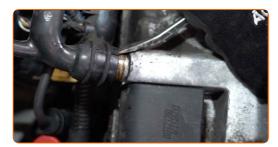
Remove the air filter housing.



6 Cover the throttle body with a microfibre towel to prevent dust and dirt from getting into the system.



Detach the crankcase ventilation hose from the engine cover at the left. Use a crowbar.



Detach the throttle valve connectors. Use a crowbar.



9 Remove the spark plug wire connectors from the spark plug wells.



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Replacement: spark plugs – FIAT Strada Pickup (178_). AUTODOC recommends:

- Be careful to avoid damaging spark plug wires.
- Remember the sequence of the spark plug wires connectors.
- Clean dirt, dust and debris from inside the spark plug wells.

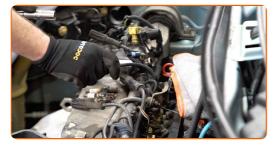


Unscrew the spark plugs. Use the spark plug socket #16. Use a ratchet wrench.



12

Take out the spark plugs. Use the spark plug socket #16.



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Apply a thin layer of a special high temperature anti-seize lubricant to the threads of the new spark plugs.



Install the new spark plugs into their mounting seats. Use the spark plug socket #16.



Screw new spark plugs and tighten them. Use the spark plug socket #16. Use a torque wrench. Tighten it to 27 nm torque.



Replacement: spark plugs – FIAT Strada Pickup (178_). Professionals recommend:

- Don't tighten the plugs with excessive force. Exceeding tightening torque can damage the thread connection.
- Be careful when working with a spark plug wrench. Its skewing can cause damage to the threaded connection.

CLUB.AUTODOC.CO.UK 6-10







Treat the spark plug wire connectors. Use high-temperature grease. Use a flat screwdriver.



Install the spark plug wire connectors into the spark plug wells. Make sure you hear a click indicating that it is locked in place.



AUTODOC recommends:

• Replacement: spark plugs – FIAT Strada Pickup (178_). Follow the installation steps.

18 Attach the throttle valve connectors.



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Attach the crankcase ventilation hose to the engine cover at the left.



Remove the microfibre towel from the throttle body.



Reinstall the air filter housing.



AUTODOC recommends:

• Make sure the air filter body is properly seated. It should not be displaced with respect to the air intake hose of the throttle body and the guiding fasteners.

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Screw the filter housing fastening bolts. Use a drive socket #10. Use a ratchet wrench.



Install the air filter housing retaining spring.



- Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.
- 25 Shut off the engine.
- Remove the fender protection cover.
- Close the hood.



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SPARK PLUGS: A WIDE SELECTION

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How to change front wheel bearing on FIAT Strada Pickup (178_) – replacement guide







SIMILAR VIDEO TUTORIAL



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

(i) Important!

This replacement procedure can be used for: FIAT Strada Pickup (178_) 1.9 JTD, FIAT Strada Pickup (178_) 1.3 D Multijet

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: FIAT PUNTO (188) 1.3 JTD 16V

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REPLACEMENT: WHEEL BEARING – FIAT STRADA PICKUP (178_). TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Combination spanner №13
- Combination spanner №16
- Drive socket # 10
- Drive socket # 12
- Drive socket # 13
- Drive socket # 17
- Drive socket # 36
- Wheel impact socket #17

- Ratchet wrench
- Torque wrench
- Flat screwdriver
- Tap wrench
- Hammer
- Flat chisel
- Bush and bearing driver set
- Ball joint puller
- Crow bar
- Wheel chock

Buy tools

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Replacement: wheel bearing – FIAT Strada Pickup (178_). AUTODOC recommends:

- Do not re-use the bearing assembly of your FIAT Strada Pickup (178_) car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- All work should be done with the engine stopped.

REPLACEMENT: WHEEL BEARING – FIAT STRADA PICKUP (178_). RECOMMENDED SEQUENCE OF STEPS:

- Secure the wheels with chocks.
- Loosen the wheel mounting bolts. Use wheel impact socket #17.
- Raise the front of the car and secure on supports.
- 4. Unscrew the wheel bolts.



AUTODOC recommends:

 Important! Hold the wheel while unscrewing the fastening bolts. FIAT Strada Pickup (178_)

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5 Remove the wheel.



6.1 Unscrew the brake caliper bracket fasteners.



Use a drive socket #17. Use a ratchet wrench. Use a tap wrench.



Remove the brake caliper together with its bracket.



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8







Replacement: wheel bearing – FIAT Strada Pickup (178_). Professionals 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.





Unscrew the brake disc fastening. Use a drive socket #12. Use a ratchet wrench.



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10 Remove the brake disc.



- Unstake the wheel hub retaining nut. Use a flat metal-working chisel. Use a hammer.
- Unscrew the wheel hub fastening nut. Use a drive socket #36.



Unscrew the end fastening nut to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.



Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



14

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Unscrew the lower fastener of the shock absorber strut. Use a combination spanner #17. Use a drive socket #17. Use a ratchet wrench.



Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #13. Use a drive socket #13. Use a ratchet wrench.



- Remove the fastening bolts. Use a hammer.
 - Disconnect the ball joint from the steering knuckle.
- Remove the drive shaft from the wheel hub.
- 20 Unscrew the ABS sensor fastening from the steering knuckle. Use a drive socket #10. Use a ratchet wrench.
- Remove the ABS sensor from the steering knuckle.



Release the fastener connecting the ball joint to the steering knuckle. Use a flat metal-working chisel. Use a hammer.

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Remove the steering knuckle together with the hub.



- Press the wheel hub out from the tapered roller bearing. Use a hammer.
- Remove the retaining ring from the steering knuckle. Use a flat screwdriver.



Press out the wheel hub bearing.

28



Press the new bearing in the steering knuckle.



Install the retaining ring in the steering knuckle. Use a flat screwdriver.



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- Press the wheel hub into the bearing inner race.
- Install the steering knuckle with a hub in assembly.



31 Install the fastening bolts.

34

Use a crowbar. Install the drive shaft into the wheel hub.



Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #17. Use a drive socket #17. Use a torque wrench. Tighten it to 75 Nm torque.



Install the ABS sensor on the steering knuckle and secure it. Use a drive socket #10.



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Screw the hub nut. Use a drive socket #36. Use a tap wrench.



Restake the wheel hub retaining nut. Use a pin punch. Use a hammer.



Install the brake disc and secure it. Use a drive socket #12.



38 Use a ratchet wrench.



39.1 Install the brake caliper together with its bracket.



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Tighten the brake caliper bracket fasteners. Use a drive socket #12.



39.3 Use a torque wrench. Observe the recommended tightening torque.



Connect the brake hose fastener to the shock absorber strut.



Connect the tie rod end to the steering knuckle and tighten it. Use a drive socket #17. Use a torque wrench. Tighten it to 40 Nm torque.



42

Clean the wheel rim mounting seat. Use a wire brush. Treat the contacting surface. Use copper grease.

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43 Install the wheel.



Replacement: wheel bearing – FIAT Strada Pickup (178_). Tip from AUTODOC:

• To avoid injury, hold up the wheel when screwing in the fastening bolts.

Screw in the wheel bolts. Use wheel impact socket #17.



- Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 98 nm torque.
- Remove the jacks and chocks.



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WHEEL BEARING: A WIDE SELECTION

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How to change engine oil and filter on **FIAT Strada Pickup (178_)** –

replacement guide







SIMILAR VIDEO TUTORIAL



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

i Important!

This replacement procedure can be used for: FIAT Strada Pickup (178_) 1.2

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: FIAT 500 Hatchback (312) 1.4

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REPLACEMENT: ENGINE OIL AND FILTER – FIAT STRADA PICKUP (178_). TOOLS YOU'LL NEED:



- All-purpose cleaning spray
- Combination spanner #13
- Drive socket # 10
- Drive socket #13
- Drive socket # 27
- Ratchet wrench

- Torque wrench
- Flat Screwdriver
- Funnel
- Oil drain pan
- Microfibre towel
- Fender cover

Buy tools

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AUTODOC recommends:

- Replace the oil filter every time when changing motor oil.
- All work should be done with the engine stopped.
- Wear gloves to prevent contact with hot liquid.

REPLACEMENT: ENGINE OIL AND FILTER – FIAT STRADA PICKUP (178_). TAKE THE FOLLOWING STEPS:

- Open the hood.
- Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.
- 3 Unscrew the oil filler plug.



Lift the car using a jack or place it over an inspection pit.

Replacement: engine oil and filter – FIAT Strada Pickup (178_). AUTODOC recommends:

• The vehicle must be on even keel, and if it is at an angle, the drain plug must be at the lowest point.

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Unscrew the fasteners of the lower sound insulation. Use a drive socket #10. Use a ratchet wrench.



- Remove the lower sound insulation.
- Put a waste oil container with at least 4 l capacity under the drainage hole.



- Clean the area of the oil pan drainage hole. Use all-purpose cleaning spray.
- Unscrew the drain plug. Use a combination spanner #13. Drain the used oil.



Replacement: engine oil and filter – FIAT Strada Pickup (178_). Tip:

• Caution! The oil may be hot.

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Clean the oil filter housing cap. Use all-purpose cleaning spray.



Unscrew the filter housing cap together with the old filter element. Use a drive socket #27. Use a ratchet wrench.



Prepare a container for the old oil filter.



Put the old oil filter in the container.



AUTODOC recommends:

 Move up the container. The oil starts to drain out of the drainage hole immediately after you have removed the oil filter.

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- Cover the oil filter housing with a microfibre towel to prevent dirt and foreign objects from getting into the system.
- Detach the oil filter from the filter cover.



Clean the oil filter housing cap. Use all-purpose cleaning spray.



Remove the oil filter cover O-ring. Use a flat screwdriver.



Install a new O-ring to its mounting seat on the filter cover.



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Install the new oil filter to the mounting seat on the filter cover.



Please note!

- Make sure to install the filter correctly. Don't mix up the sides of the part.
- Wait until the oil has completely drained from the drainage hole.
- Clean the area of the oil pan drainage hole.



Screw in the new drainage plug and tighten it. Use a drive socket #13. Use a torque wrench. Tighten it to 28 Nm torque.



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Clean the area of the oil pan drainage hole. Use all-purpose cleaning spray.



23 Install the lower sound insulation.



- Screw in the fasteners of the lower sound insulation. Use a drive socket #10. Use a ratchet wrench.
- Lower the car.
- Remove the microfibre towel from the oil filter housing.
- Lubricate the rubber seal of the new filter with a little amount of fresh oil.



Screw the new filter into its place.



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Screw the cap. Use a drive socket #27. Use a torque wrench. Tighten it to 25 Nm torque.



Remove the oil filler cap. Insert the funnel.



Pour new oil into the engine in the amount recommended by the car manufacturer.



Replacement: engine oil and filter – FIAT Strada Pickup (178_). Professionals recommend:

• Use the oil recommended by the manufacturer.

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Check the oil level using the dipstick. Top up oil if necessary.



Please note!

- The oil level should be between the Min and Max marks.
- Tighten the oil filler cap.



- Run the engine for a few minutes. After the oil pressure warning light goes out, stop the engine.
- Check the oil level 5 minutes after the stop of the engine operation using a dipstick and add oil if necessary.



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Please note!

- The oil level should be between the Min and Max marks.
- Make sure that the oil filler cap is properly tightened.
- Check the threaded plug of the drainage hole and the oil filter seal for tightness.
 If necessary, carefully tighten them up.
- Remove the fender protection cover.
- Close the hood.

Replacement: engine oil and filter – FIAT Strada Pickup (178_). Tip from AUTODOC experts:

- Note that oil pressure warning light, which indicates insufficient pressure in the lubrication system, may be on for a longer time than usual. After a few seconds, the oil will fill all the channels, and the light will go out.
- To protect the environment from pollution, be sure to dispose of the used filters at special collection points.



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A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR

OIL FILTER: A WIDE SELECTION

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How to change fuel filter on **FIAT Strada Pickup**(178) – replacement guide



SIMILAR VIDEO TUTORIAL



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

(i) Important!

This replacement procedure can be used for: FIAT Strada Pickup (178) 1.3 D Multijet

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: FIAT Doblo I Cargo (223) 1.3 D Multijet

CLUB.AUTODOC.CO.UK 1-8





REPLACEMENT: FUEL FILTER – FIAT STRADA PICKUP (178). TOOLS YOU NEED:



- Electronic spray
- Fluid container

Fender cover

Buy tools

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Replacement: fuel filter – FIAT Strada Pickup (178). Tip from AUTODOC experts:

- Ensure adequate ventilation of the workplace. Fuel vapors are poisonous.
- Warning! Shut down the engine before starting any work FIAT Strada Pickup (178)

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

- 1 Open the bonnet.
- Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.
- Detach the fuel pressure sensor connector.



Unscrew the fuel filter cover.



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5 Prepare a container for fluids.



Unscrew the filter housing cap together with the old filter element. Put the old filter cartridge in the container.



- Remove the rubber strip.
- Take the fuel filter out of the bracket.



Fasten the fuel filter in the holder.



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10

Install the rubber strip.



11

Install a new fuel filter.



Replacement: fuel filter – FIAT Strada Pickup (178). AUTODOC recommends:

- Make sure that the fuel filter is positioned correctly. Consider the fuel flow direction mark.
- During installation, take care to prevent dust and dirt from getting into the fuel filter housing.
- Attention! Use quality filters FIAT Strada Pickup (178).

12

Install and tighten the cap of the fuel filter housing.



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Clean the connector of the fuel pressure sensor. Use electronic spray.



Attach the fuel pressure sensor connector.



AUTODOC recommends:

- Before starting off, switch the ignition on and off several times. This should be done to activate the fuel pump to make it pump fuel through the fuel system.
- Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.
- Shut off the engine.
- Remove the fender protection cover.
- Close the hood.

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Replacement: fuel filter – FIAT Strada Pickup (178). AUTODOC recommends:

• To protect the environment from pollution, be sure to dispose of the used filters at special collection points.



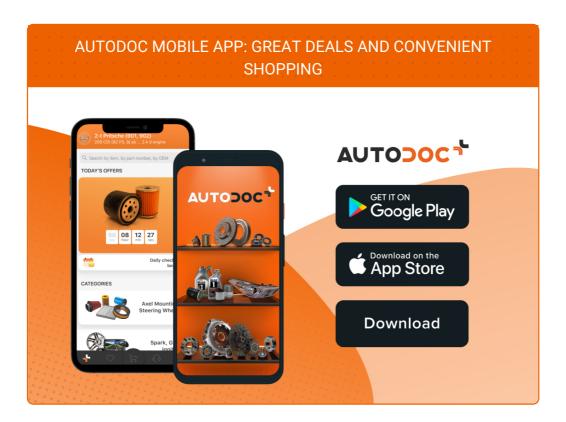
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FUEL FILTER: A WIDE SELECTION

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AUTODOC

How to change air filter on **FIAT Strada Pickup**(178) – replacement guide





SIMILAR VIDEO TUTORIAL



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

i Important!

This replacement procedure can be used for: FIAT Strada Pickup (178) 1.3 D Multijet

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: FIAT Doblo I Cargo (223) 1.3 D Multijet

CLUB.AUTODOC.CO.UK 1-6





REPLACEMENT: AIR FILTER – FIAT STRADA PICKUP (178). LIST OF THE TOOLS YOU'LL NEED:



- Drive socket # 8
- Ratchet wrench

- Microfibre towel
- Fender cover

Buy tools

CLUB.AUTODOC.CO.UK 2-6





Replacement: air filter – FIAT Strada Pickup (178). Tip from AUTODOC experts:

- Follow the terms, recommendations and requirements of the part operation provided by the manufacturer.
- All work should be done with the engine stopped.

REPLACEMENT: AIR FILTER – FIAT STRADA PICKUP (178). RECOMMENDED SEQUENCE OF STEPS:

- Open the bonnet.
- Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.
- Undo the fastening screws of the air filter cover. Use a drive socket #8. Use a ratchet wrench.



Take off the filter lid.



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Remove the filter element from the filter housing.



6 Clean the air filter cover and housing.



Replacement: air filter – FIAT Strada Pickup (178). Tip:

- Before cleaning the air filter cover and housing, cover the air duct parts, mass airflow sensor (if available), throttle valve with a clean cloth.
- Insert a new filter element into the filter housing. Make sure that the filter edge fits tight to the housing.



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Replacement: air filter – FIAT Strada Pickup (178). AUTODOC experts recommend:

- Check out the correct location of the filter element. Do not skew.
- FIAT Strada Pickup (178) It's important to only use high-quality filters.
- During installation, make sure to prevent dust and dirt from getting into the air filter housing.

Reinstall the air filter cover. Fasten it.



Screw in the fastening screws of the air filter cover. Use a drive socket #8. Use a ratchet wrench.



- Remove the fender protection cover.
- Close the hood.



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AIR FILTER: A WIDE SELECTION

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How to change rear wheel bearing on **FIAT Strada Pickup (178)** – replacement guide







SIMILAR VIDEO TUTORIAL



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

i Important!

This replacement procedure can be used for: FIAT Strada Pickup (178) 1.2, FIAT Strada Pickup (178) 1.7 TD, FIAT Strada Pickup (178) 1.9 D, FIAT Strada Pickup (178) 1.9 JTD

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: FIAT Punto II Hatchback (188) 1.2 60

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REPLACEMENT: WHEEL BEARING – FIAT STRADA PICKUP (178). TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Copper grease
- Drive socket # 12
- Drive socket # 32
- Wheel impact socket #19

- Ratchet wrench
- Torque wrench
- Hammer
- Tap wrench
- Rubber mallet
- Crow bar
- Wheel chock

Buy tools

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Replacement: wheel bearing – FIAT Strada Pickup (178). Tip from AUTODOC:

- Do not re-use the bearing assembly of your FIAT Strada Pickup (178) car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car FIAT Strada Pickup (178) should be done
 with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

Secure the wheels with chocks.

3



Loosen the wheel mounting bolts. Use wheel impact socket #19.



Raise the rear of the car and secure on supports.

CLUB.AUTODOC.CO.UK 3-10







4 Unscrew the wheel bolts.



AUTODOC recommends:

• Important! Hold the wheel while unscrewing the fastening bolts. FIAT Strada Pickup (178)

Remove the wheel.

6



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



Unscrew the brake drum fastening. Use a drive socket #12. Use a ratchet wrench.



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Remove the brake drum.



Replacement: wheel bearing – FIAT Strada Pickup (178). Tip from AUTODOC experts:

- Examine the brake drum. Replace it if necessary.
- Remove the hub bearing protection cap. Use a crowbar. Use a hammer.



Replacement: wheel bearing – FIAT Strada Pickup (178). AUTODOC experts recommend:

- Some cars are not equipped with wheel hub caps.
- Unscrew the wheel hub axle nut. Use a drive socket #32. Use a tap wrench.



10

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



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



13 Install the new wheel hub with a bearing.

14



Tighten the hub. Use a drive socket #32. Use a torque wrench. Tighten it to 280 nm torque.



Replacement: wheel bearing – FIAT Strada Pickup (178). Tip:

• The wheel bearing unit must not tilt on the axle pin.

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15 Install the hub bearing protection cap. Use a rubber mallet.



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



17 Install the brake drum and fasten it.



Tigten the brake drum fasteners. Use a drive socket #12. Use a torque wrench. Tighten it to 15 Nm torque.



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

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Treat the contacting surface. Use copper grease.



21 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. FIAT Strada Pickup (178)
- Screw in the wheel bolts. Use wheel impact socket #19.



Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 86 nm torque.



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24

Remove the jacks and chocks.





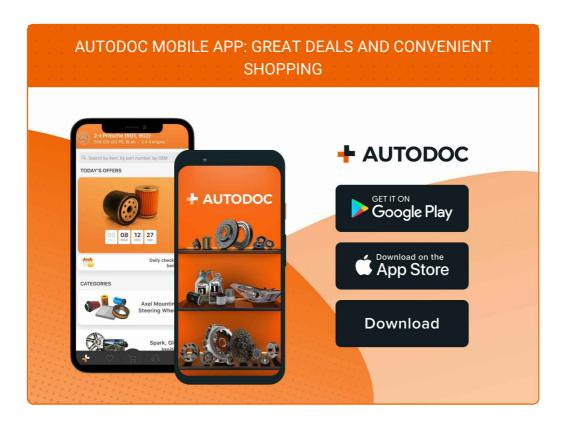
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WHEEL BEARING: A WIDE SELECTION

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