27W-3-790 11th Gen Civic Si Front Brake Pads

Front Brake Pad Replacement for 11th Gen Civic SI

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INTRODUCTION

In this installation guide we have provided step by step instructions to remove the OEM front brake pads and install the 27WON Performance brake pads.

Advisory:

- Working under the vehicle requires a safe and sturdy location for the vehicle to sit on jackstands.
- The brake rotors can be hot after recent vehicle operation. Allow the vehicle to cool or use a fan to cool the brake rotors before working on the vehicle.

TOOLS:

- Hydraulic Jack (1)
- Jack Stand (2)
- 1/2" Torque Wrench (1)
- 1/2" Breaker Bar (1)
- 3/8" Ratchet (1)
- Lug Nut Socket (1)
- 7mm Allen Key Socket (1)
- Flat Head Screwdriver - Large (1)
- Brake Clean Spray (1)
- WD-40 Lubricant Spray (1)
- Bungee Cord (1)
- C-Clamp (1)

PARTS:

- Inner Brake Pad LH (1)
- Outer Brake Pad LH (1)
- Inner Brake Pad RH (1)
- Outer Brake Pad RH (1)

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Step 1 — Getting Started



- First and foremost; **THANK YOU** for becoming a part of the 27WON Family. We hope to **REDEFINE** your experience of the aftermarket with the highest level Parts, Customer Service, Packaging, & Support
- These instructions reference "Left Hand" & "Right Hand" sides. Left Hand & Right Hand is always defined from the driver seat viewpoint
- Check out this GUIDE for rear pads install

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Step 2 — Access the Brake System & Identify Components



- Raise the vehicle and support with jackstands in the OE recommended locations
- Remove the front wheels/tires
- ⓘ The following instructions show the left-hand side removal of OE components and installation of 27WON replacement pads. The right-hand side is done with the same steps
- Identify Components
  - Brake Caliper
  - Brake Caliper Bracket
  - Caliper Tension Clip

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Step 3 — Remove Caliper Tension Clip





- Using a flat head screw driver, pop the tension clip off of its perch on the top of the caliper
  ⚠ Watch your fingers here! This clip can come off with some force and potentially injure you
- Once removed, the top of the clip will sit as shown
- With the majority of the tension relieved, use a flat head screw driver to remove the bottom of the clip
- Pulling from the center of the clip with your finger remove the tension clip as shown. Use a screwdriver if necessary

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Step 4 — Remove Brake Caliper



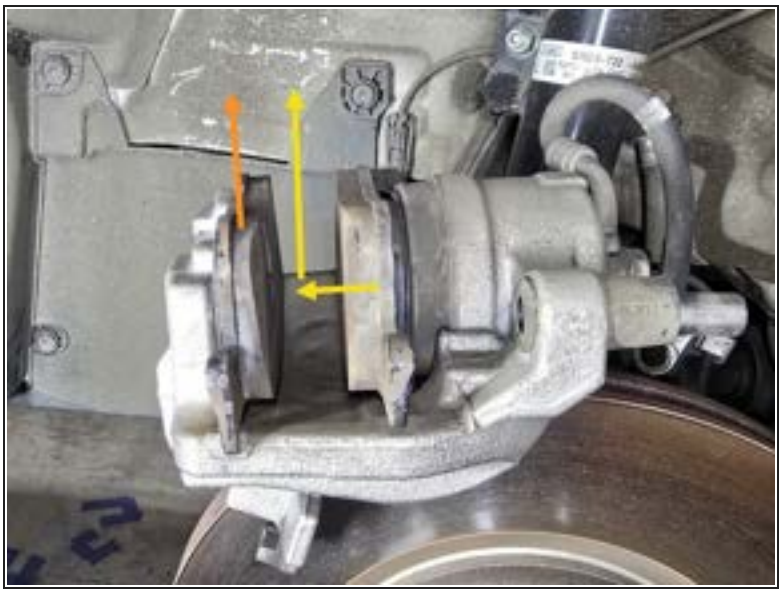


- Move to the back side of the caliper for the removal process
- Use a flat head screw driver or your finger to remove the two plastic caps circled in orange
- Use a 7mm Allen head socket and a 3/8" drive ratchet to remove the two caliper slider bolts circled in yellow
- Remove the caliper from the rotor as shown
  - ⓘ If the rotor is heavily worn, you may need to spread the brake pads apart to gain the clearance needed to remove the caliper

⚠ Do not let the caliper hang from the brake line, this could cause damage to the line or fittings

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Step 5 — Remove OE Brake Pads





- ⓘ You can set the brake caliper upside down on top of the rotor for easy access to the brake pads but be careful not to bind the brake lines!
- Remove the outer brake pad, this will come straight up and out
- Remove the inner brake pad by first removing it from the caliper piston then out of the caliper as shown
- Lay out your OE pads with your 27WON replacement pads to make sure you have the correct pads for each side
  - Inner
  - Outer
  - Matching wear indicator location

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Step 6 — Inspect OE Brake Components





- ⓘ Follow Factory Service Manual (FSM) for proper maintenance of braking system
- ⚠ Worn/damaged rotors or calipers can cause brake system failure and premature pad wear. Make sure your brake system doesn't need the other components serviced
- ⓘ These parts are shown off of the vehicle, but can still be easily inspected without removing them
- Verify the removed brake pads are worn even. Both ends of the pads should be roughly the same thickness. If your pads are wearing unevenly this could indicate a bad rotor or caliper
- Inspect your rotors for any cracks or gouges. The contact surfaces of your rotors should be smooth and flat. Damaged or warped rotors will cause excessive brake pad wear
- Rotors need to be a minimum thickness to be used. Consult FSM for this specification. Inspect the edge of your rotors for an excessive lip. A large lip on the edge of your rotor can be an indicator that it is time to replace the rotor
- Inspect your calipers for any cracking or obvious leaks
- Inspect your caliper piston boot for any rips or tears. This is may indicate that the caliper needs replaced

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Step 7 — Install 27WON Replacement Pads





- Install the inner brake pad into the caliper cylinder by compressing the outer retaining clips and pressing the pad into the caliper as shown
- Using a C-clamp as shown or a caliper compressing tool, compress the caliper piston enough for the new pads to fit over the OE rotor
  - ⓘ This step can be skipped if you already compressed the caliper or your OE pads were brand new
- Install the outer brake pad by setting it into the caliper as shown

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Step 8 — Reinstall the OE Caliper





- Slide the caliper and pads back over the OE rotor as shown
- Before proceeding, verify the brake pad alignment tabs are sitting in the caliper and caliper bracket as shown
- Using a 7mm Allen head socket and a 3/8" ratchet, reinstall the caliper slider bolts as shown and torque to **25 Ft/lbs**
- Replace the previously removed plastic caps over the slider bolts as shown

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Step 9 — Reinstall Tension Clip





- Using one hand press and hold the center of the clip into the round cut out as shown
  - ⚠ This will need to be held in place until both ends of the clip are pressed into place to ensure the clip does not pop out!
- Using your hand, press the top side of the clip into its resting place on the caliper
- Using a flat head screw driver, pry the bottom of the clip until it clears the caliper, then press it into position as shown
  - ⓘ This can require a good bit of force, it is doable by hand but we strongly recommend using a screw driver or small pry bar
- Once the bottom is pressed into position, give the whole clip a once over to ensure it is fully secure and seated in to the caliper

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Step 10 — Complete Right Hand Side Installation



- This completes the Brake Pad installation for the left hand side of the vehicle. The right hand installation process is the same
- Complete the right hand installation process starting on Step 3

Step 11 — Reinstall Wheels



- Reinstall your wheels at this time and safely get your car back on the ground before proceeding to bedding your new pads
- This completes the installation of the 27WON brake pads - The following step provides instruction for Brake Pad Bedding

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Step 12 — Brake Pad Bedding Procedure



ⓘ Brake pad bedding is an essential process to the life and durability of the brake pads and rotors - for optimal brake pad performance please follow the steps below

⚠ Proper pad bedding slowly heats and cools the rotors & pads - do not hard brake during initial driving until after complete bedding procedure is complete

- Find an open road and accelerate to 30mph - Brake evenly and smoothly at ~50% effort until the vehicle is almost stopped, then accelerate to 30mph again
  - Repeat above step 8-10 times
- Find an open road and accelerate to 50mph - Brake evenly and smoothly at ~80% effort until the vehicle is almost stopped, then accelerate to 50mph again
  - Repeat above step 2-3 times
- Allow ~15min for brakes to cool - You can now use the brakes for normal driving

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Step 13 — I Dare You to REDEFINE



- This completes the installation & setup of your 27WON Performance Front Brake Pads
- We hope you were impressed with your 27WON experience and love your new brake pads for years to come. Email us at sales@27won.com or call us at 571-271-0271 with any questions or concerns
- Please Leave a review here: https://store.27won.com/2016-civic-2023-...?
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