

INSTALLATION OF ROTOR:

Tools Required: T25 Torx wrench, Torque wrench with T25 fitting

- Remove the wheel from the bike.
- Note the rotational direction arrow printed on rotor. Ensure the arrow matches the rotation of the wheel. Attach the rotor to the hub with the supplied Torx® bolts and tighten it with a T25 Torx® wrench.
- To ensure a uniform distribution of load, follow the tightening sequence shown on figure 3 (fig.1).
- Final tightening torque is 4-6Nm
- Re-install wheel on bicycle according to the manufacturer's instructions

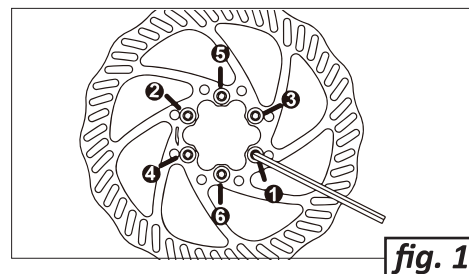


fig. 1

INSTALLATION OF LEVER:

Tools Required: 5mm, 2mm Allen (hex) wrench. Torque wrench with 5mm Allen (hex) fitting

- Adjust the brake lever to the desired position.
- Tighten the 5mm Allen (hex) bolt to secure the lever in place (fig. 2)
- Final tightening torque is 6-8 Nm
- Once you have the lever assembly positioned appropriately, you can adjust the reach of the blade by 2mm Allen (hex) wrench to suit your preference (fig. 3)

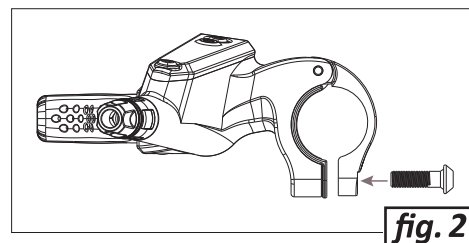


fig. 2

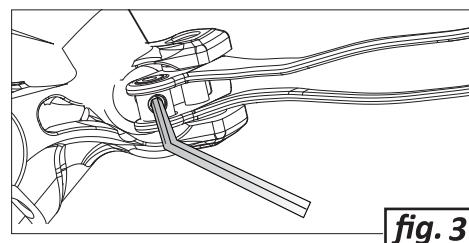


fig. 3

INSTALLATION OF CALIPER:

Tools Required: 5mm Allen (hex) wrench. Torque wrench with 5mm Allen (hex) fittings.

- Before installing calipers or adapters, ensure that each wheel axle is correctly seated in the dropouts.
- The brake rotor should be on the caliper mounting side.
- Select the correct adapter (front or rear) for the size of rotor.
- For installation of front **post-mount caliper**, attach caliper to post mount fork or adapter using M6 bolts and 5mm Allen (hex) wrench. (fig. 4) Do not fully tighten the bolts at this stage.
- Make sure the pads are correctly positioned in the caliper.
- With the caliper mounting bolts still loose, squeeze the brake lever. The caliper will correctly center itself to the rotor. You may also use a disc brake gap or alignment tool. Keeping the brake lever depressed, tighten the caliper mounting bolts. Final tightening torque: 6-8Nm.

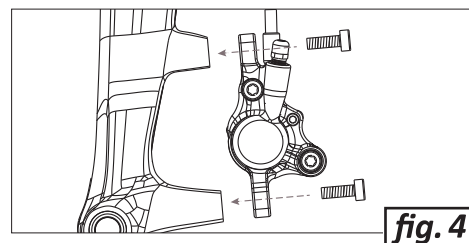


fig. 4

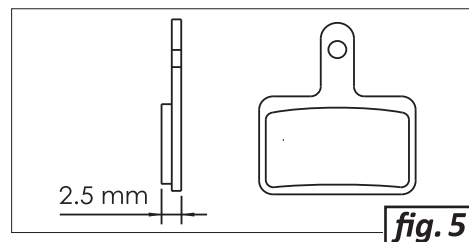


fig. 5

DISC BRAKE PAD GUIDE:

- HDC-300/ HD-M285 calipers use **A10.11 / E10.11** brake pads.
- Pads should be replaced if they become contaminated or have less than 2.5mm thickness (Pad friction material & metal backing plate). (fig. 5)
- **BEFORE RIDING**
Check the pads for wear or contamination. Check the hose for cracking, wear or deformation. Replace if necessary. Check that the brake system is operating correctly.
- **AFTER RIDING**
Remove any mud or contamination from the rotor slot on the caliper.
Clean the caliper body with a cloth.

SERVICE:

You should always bleed the system after you have shortened or replaced the hose or have introduced air into the system during service or upon crashing. Additionally, if the brake action feels spongy, you may improve the performance by bleeding the system.

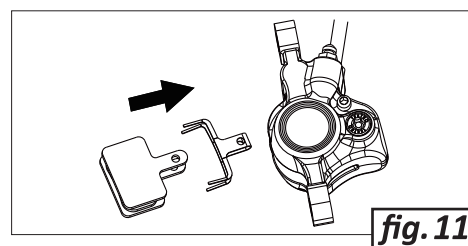
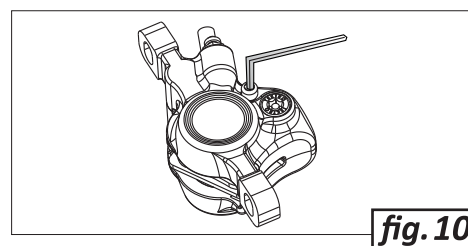
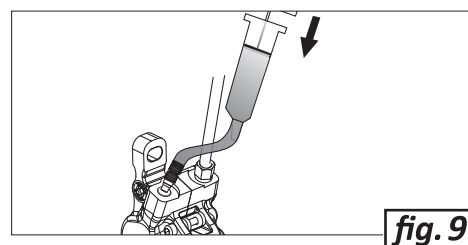
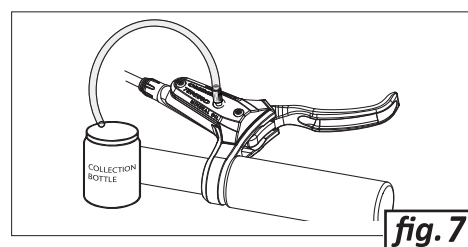
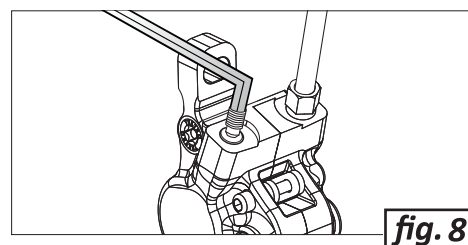
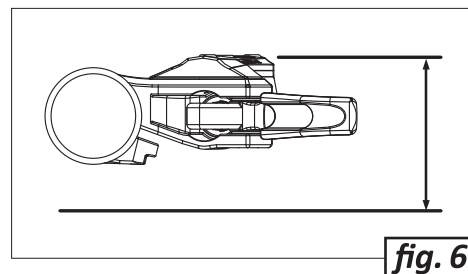
Tools Required: Tektro Bleed Kit, Tektro Mineral Oil, Tektro 2-piston bleed block, T-15 Torx wrench, Clean empty bottle or plastic bag, A Clean Towel.

- Place the bike in a stand. Position lever so that it sits parallel to the ground. (fig. 6)
- Remove disc brake pads to avoid contamination during the bleed procedure.
- Insert a disc brake piston setting tool or other non-sharp tool and push the pistons back into the caliper.
- Insert Tektro 2-piston bleed block into caliper. Bleed block ensures that pistons will not move inward during bleed procedure.
- Using a T15 Torx, screw out the bolt where caliper bleed port. (fig. 8)
- Attach a section of plastic tubing with knurled silver bleed fitting to your syringe (supplied with bleed kit). Fill Syringe halfway with Tektro Mineral Oil. Hold the Syringe vertically with the tip up and tap out any air bubbles. Install the knurled silver bleed fitting (supplied with the bleed kit) into the caliper bleed port.
- Using a T15 Torx, remove the Reservoir bleed plug. Set aside.
- Install the knurled silver bleed fitting (supplied with the bleed kit) into the reservoir bleed port. Firmly attach a long plastic tube over the bleed fitting, placing the other end into a clean, dry empty bottle or plastic bag (fig. 7).
- Start filling the brake with new mineral oil by slowly pushing the syringe. Air bubbles may come out of the reservoir. Continue pushing fluid until you no longer see bubbles coming out of the tube (fig. 9).
- Remove the plastic bag or collection bottle, section of tube, and knurled bleed fitting from the brake lever reservoir. Re-install the T-15 reservoir bleed plug. Tighten to 2-4Nm
- With the bleed plug installed at the reservoir, you may now remove the syringe and knurled bleed fitting from the caliper. Re-install the T-15 caliper bleed plug. Tighten to 2-4Nm
- Wipe off any excess oil from the lever and caliper body.
- Remove 2-Piston Bleed Block and reinstall the brake pads.

CAUTION - Cleanliness is a very important part of maintenance for any TEKTRO hydraulic disc brake. If the pads or rotor become contaminated with oil, or if the hydraulic system becomes contaminated with impurities, braking performance will be greatly impaired.

REPLACING THE BRAKE PADS:

- Remove wheel from bike.
- Loosen the brake pad retaining bolt with a 3mm Allen (hex) key (fig. 9).
- Slowly pull the bolt out of its sleeve and remove the pads from the bottom of the rotor. Be careful to save the spring assembly for later use.
- Using a disc pad setting tool, (or other non-sharp tool, such as a plastic tire lever,) be sure each piston is fully retracted by pushing it back into its housing. Push the pistons in evenly.
- Install new pads and spring assembly into the calipers (fig. 11).
- Reinsert brake pad retaining bolt into the caliper
- Tighten the brake pad retaining bolt.



General Warnings and Cautions

Disc brake calipers, rotors and pads get extremely hot when used. Serious injury could result from contact with a hot brake. Care should be taken not to touch the caliper, rotor or disc brake while it is hot. Be sure to allow the brake to cool before attempting to service it in any way.

Stop riding the bike immediately if the oil is leaking. Please carry on the proper repair, if you continue to ride with the oil spilling, the brake system may suddenly lose braking power

Read instructions thoroughly before attempting any work on the **TEKTRO** hydraulic disc brake. If you are in any doubt, you should seek the advice of a **TEKTRO** Service Center or other qualified mechanic.

Before riding, confirm the pads thickness to be must more than 0.8 mm. If less, replace brake pads immediately.

Pads must be kept clean and free from oil or hydraulic fluid. If the pads become contaminated you must discard them and replace them with a new set. Contaminated pads compromise braking performance

The brake pads are specifically formulated to achieve optimum use with the **TEKTRO** hydraulic disc brake system.

WARNING: **TEKTRO** hydraulic disc brakes offer considerable braking power. Test your **TEKTRO** Hydraulic disc brake gradually on a flat surface until you become accustomed to the braking power. If you lend your bike to another person, make sure they are also properly accustomed to the brake power before riding.

Precautions for Handling Mineral Oil:

Always use safety glasses when handing and be careful to avoid contact with eyes. Contact with eyes may result in irritation.

Use gloves when handling. Contact with skin may cause skin irritation, rash and discomfort.

Make sure you are working in a well-ventilated area. Inhalation of oil mist or vapors may cause nausea.

Do not drink. May cause vomiting or diarrhea.

Do not cut, heat, weld, or pressurize the oil container as this may cause explosion or fire. After use, keep the container closed. Store in a cool, dark area, away from direct heat or sunlight.

Always keep out of reach of children.

Emergency Care:

In the event of eye contact, flush with fresh water and seek medical assistance immediately.

In the event of skin contact, wash well with soap and water.

Disposal Of Used Oil:

Use care when preparing oil for disposal. Always follow local county and/or state codes for disposal. Give a hoot, don't pollute.

Use Only Tektro Mineral Oil

Use only **TEKTRO** brake fluid with the **TEKTRO** hydraulic disc brake system. Other brake fluids may not be compatible and may damage the system. Never use DOT type fluid as it will cause irreversible damage to the system.

Warranty Information:

TEKTRO hydraulic disc brakes are warranty against manufacturing defects in materials and / or workmanship for a period of two years period from the date of original retail purchase. Not covered under this warranty is damage resulting from improper installation, adjustment or maintenance, lack of maintenance, alterations, crashes or use judged by **TEKTRO** to be excessive or abusive. For warranty related questions or more information on the **TEKTRO** disc brake please contact a **TEKTRO** Service Center or contact us directly at: [http:// www.TEKTRO.com/contact.php](http://www.TEKTRO.com/contact.php)



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