

SERVICE INSTRUCTIONS

SI-41M0A

PD-M858

SPD Pedals

Before use, read these instructions carefully, and follow them for correct use.

WARNING

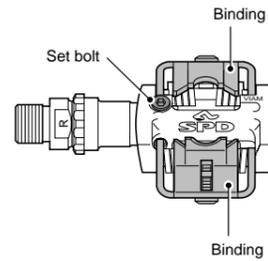
- Obtain, read and carefully service instructions when installing parts. A loose, worn, or damaged parts may cause injury to the rider. We strongly recommend that only genuine Shimano replacement parts be used.
- Use only SPD shoes with this product. Other types of shoes may not release from the pedals, or may release unexpectedly.
- Use only Shimano cleats (SM-SH52) and tighten the mounting bolts securely to the shoes.
- Before attempting to ride with these pedals and shoes, make sure you understand the operation of the engagement/release mechanism for the pedals and cleats (shoes).
- Before you attempt to ride with these pedals and shoes, apply the brakes, then place one foot on the ground and practice engaging and releasing each shoe from its pedal until you can do so naturally and with minimal effort.
- Ride on level ground first until you become adept at engaging and releasing your shoes from the pedals.
- Before riding, adjust the spring tension of the pedals to your liking.
- When riding at low speed or when there is a possibility that you might need to stop riding, (for example, when doing a U-turn, nearing an intersection, riding uphill or turning a blind curb), release your shoes from the pedal beforehand so that you can quickly put your feet onto the ground at any time.
- Use a lighter spring tension for attaching the pedal cleats when riding in adverse conditions.
- Keep cleats and bindings clear of dirt and debris to ensure engagement and release.
- Remember to check the cleats periodically for wear. When the cleats are worn, replace them. Always check the spring tension after replacing the pedal cleats and before riding.
- If you have any questions concerning your pedals, contact a professional dealer.

Be sure to read and follow the above warnings carefully, otherwise your shoes may not release from the pedals, or they may release unexpectedly and slip from the pedals, causing a fall that could result in severe injury.

An optional reflector set (SM-PD55) is available. Please contact a professional dealer for details.

NOTE:

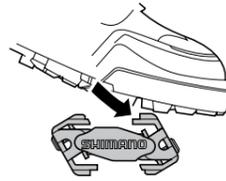
Never loosen the set bolts at the top of the pedals. If they are loosened, the angle of the pedal binding will change.



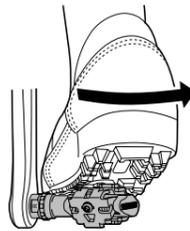
Cleat type and using the cleats

Use Shimano SM-SH52 cleats.

- **Engaging the cleats with the pedals**
Press the cleats into the pedals with a forward and downward motion.



- **Releasing the cleats from the pedals**
Release the cleats from the pedals by twisting your heels to the outside.

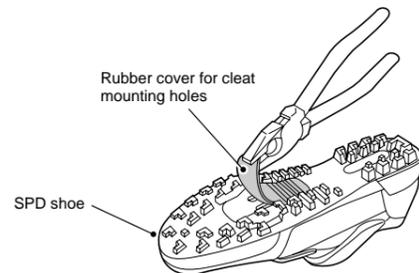


Attaching the cleats

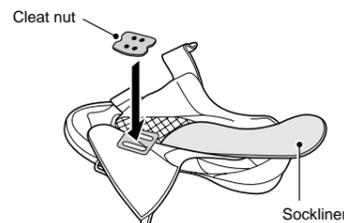
1. With a pair of pliers or a similar tool, pull off the rubber cover to expose the cleat mounting holes.

Note:

This step may not be necessary depending on the type of shoes.

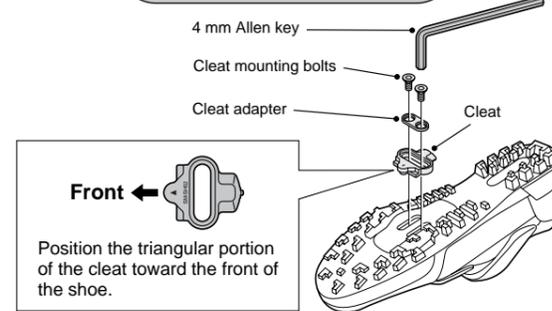


2. Remove the sockliner and position a cleat nut over the oval holes.



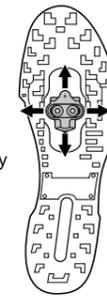
3. From the bottom of the shoe, position a cleat and then a cleat adapter over the cleat holes. The cleats are compatible with both left and right pedals. Provisionally tighten the cleat mounting bolts.

Provisional tightening torque for cleat mounting bolts: 2.5 Nm {22 in. lbs.}



Adjusting the cleat position

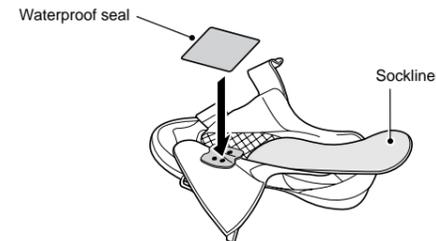
1. The cleat has an adjustment range of 20 mm front to back and 5 mm right to left. After provisionally tightening the cleat, practice engaging and releasing, one shoe at a time. Readjust to determine the best cleat position.
2. After you have determined the best cleat position, firmly tighten the cleat mounting bolts with a 4 mm Allen key.



Tightening torque: 5 – 6 Nm {43 – 52 in. lbs.}

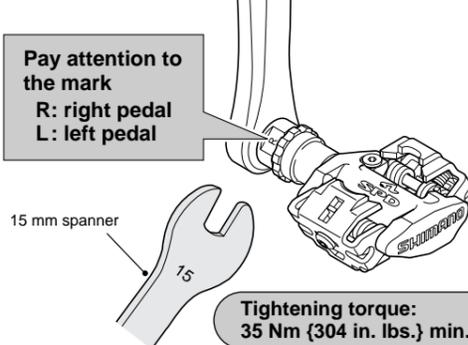
Waterproof seal

Remove the sockliner and attach the waterproof seal.



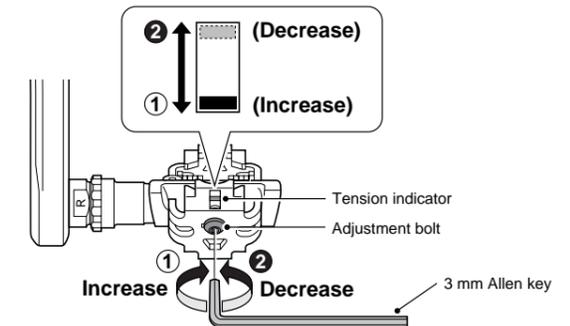
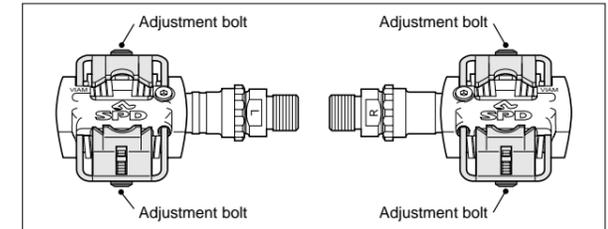
Mounting the pedals on the crank arms

Use a 15 mm wrench or a 6 mm Allen key to mount the pedals on the crank arms. The right pedal has a right-hand thread; the left pedal has a left-hand thread.



Adjusting the spring force of the binding

The spring force is adjusted by means of adjustment bolts. The adjustment bolts are located behind each of the bindings, and there are two adjustment bolts on each pedal. Equalize the tensions by referring to the tension indicators and by counting the number of turns of the adjustment bolts. The spring tension can be adjusted in three steps for each turn of the adjustment bolt.



When the adjustment bolt is turned clockwise, the spring tension increases, and when it is turned counterclockwise, the spring tension decreases.

Note:

- If the tension indicator is at the strongest or weakest indication, do not turn the adjustment bolts any further. The adjustment bolts may fall out if they are turned too far, particularly if they are being turned in the weaker setting direction.
- If the spring tensions are unequal, a different amount of effort will be required to engage and release the cleats from the right and left pedals, and from both sides of the pedal. As a result, unexpected difficulty will arise because of the unfamiliar effort required for engagement and release.
- If the adjustment bolt is completely withdrawn from the spring plate, disassembly and reassembly will be required. If this occurs, ask a professional dealer for assistance.

Cleat replacement

Cleats wear out over time and must be replaced. Replace your cleats when you find it difficult to engage or release.

If you do not maintain your shoes and cleats in good condition, your shoes may not properly release from the pedals, resulting in a fall or other mishap.

Maintenance of the axle units

If you experience any trouble with the rotating parts of the pedal, the pedal may require adjustment. Obtain advice from a professional dealer.

Please note: Specifications are subject to change for improvement without notice. (English)

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