

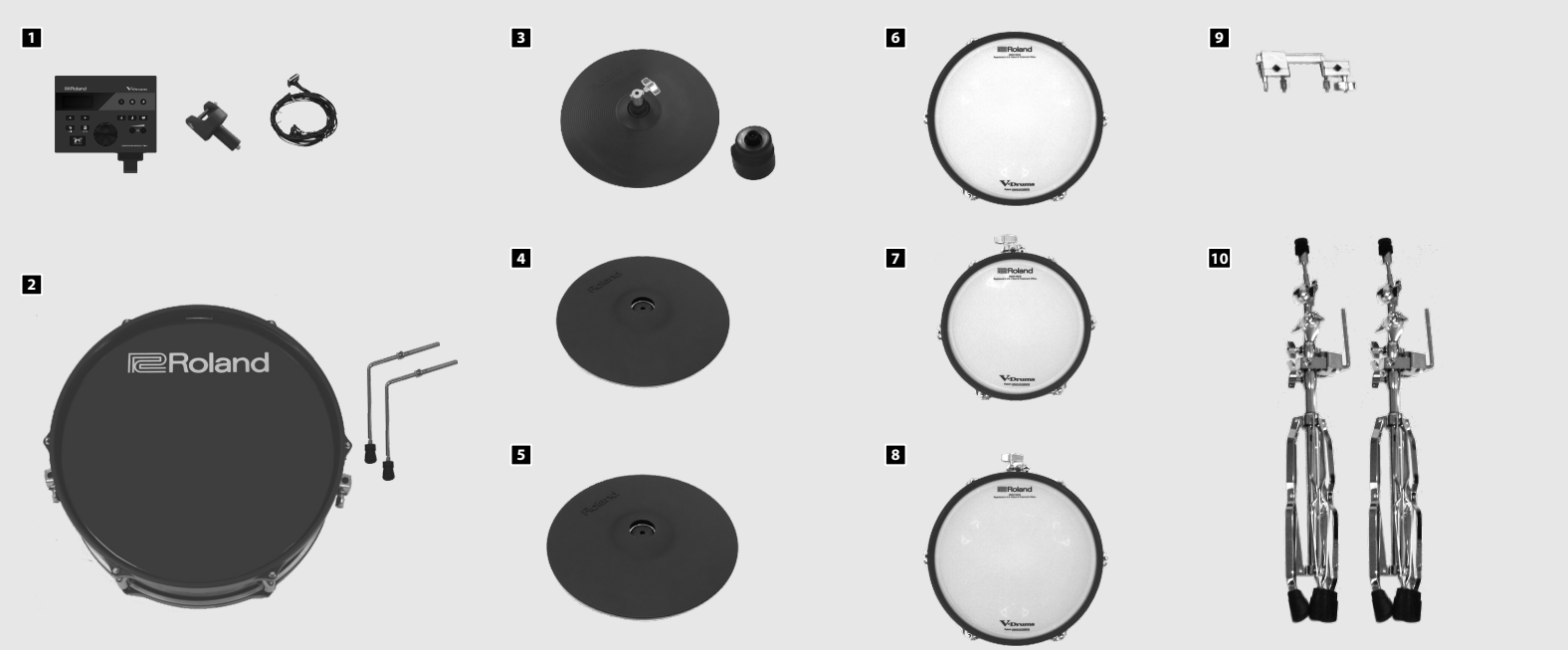
1

Check the included items

As soon as you open the package, check to see that all items are included. If anything is missing, please contact your dealer.

- * This package does not include a kick pedal, a hi-hat stand, and a snare stand. Use with a commercially available kick pedal, hi-hat stand, and snare stand.
- * The drum key used to attach the pads is inside the packing carton of the bass drum.

VAD103 parts



- 1 TD-07 (Drum sound module) x 1
- Sound module holder x 1
- Dedicated connection cable x 1
- 2 KD-180L (Bass drum) x 1
- Rod (with memory lock) x 2
- 3 VH-10 (Hi-hat) x 1
- 4 CY-12C (Crash 1) x 1
- 5 CY-13R (Ride) x 1
- 6 PDA120LS (Snare) x 1
- 7 PDA100L (Tom 1) x 1
- 8 PDA120L (Floor tom) x 1
- 9 APC-10 (All purpose clamp) x 1
- 10 DCS-10 (Drum combination stand) x 2

Owner's Manuals

- ☐ VAD103 Setup Guide (this document)
- ☐ KD-180L Owner's Manual
- ☐ CY-13R/CY-12C Owner's Manual
- ☐ VH-10 Owner's Manual
- ☐ DCS-10 Owner's Manual
- ☐ PDA120LS/PDA120L/PDA100L Owner's Manual

2

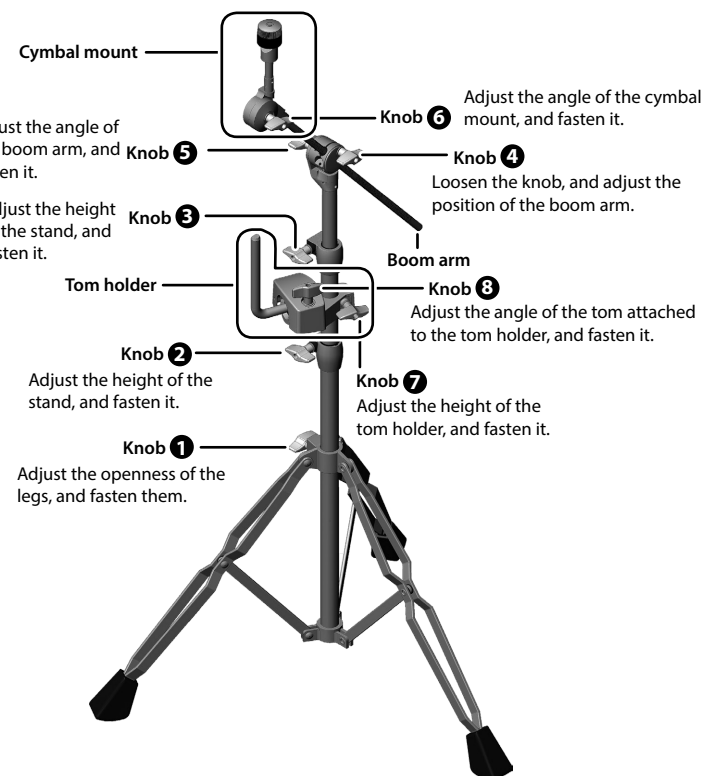
Set Up the Stand

- * The tips of the cymbal mount and tom holder are sharp. Handle them with care.
- * When setting up or storing the stand, be careful not to pinch the fingers you use to handle the stand.

Setup procedure

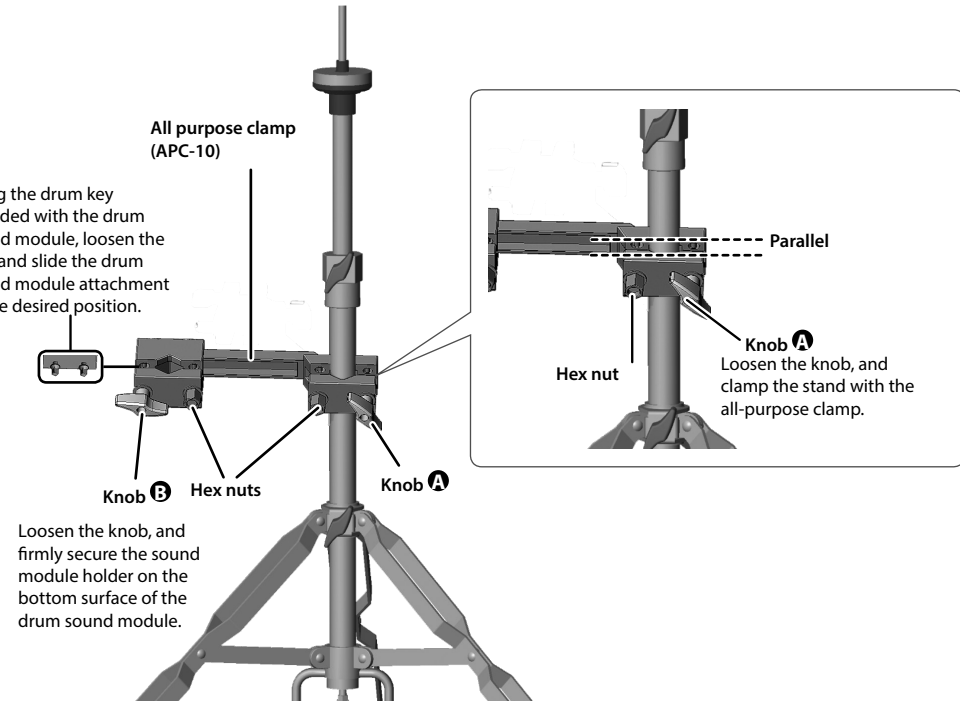
Set up the stand as shown in the illustration.

Combination stand (DCS-10)



Attach the all-purpose clamp to the hi-hat stand (commercially available).

Hi-hat stand



* The clamp can be attached to a hi-hat stand with a pipe diameter in the range of 15.9–28.6 mm (5/8–1-1/8 inches).

NOTE Stand

- When setting up, ensure that the tripod of the stand is sufficiently open. If the tripod is insufficiently open, the appropriate degree of stability might not be obtained.
- If you are using the boom arm in a lengthened position, stability will improve if the cymbal is directly above one of the tripod legs.
- Likewise, when attaching the tom to the tom holder, stability will improve if the tom is directly above one of the tripod legs.
- When you loosen the knob while adjusting the height or angle of tom or cymbal, the pipe or pad might fall and pinch your fingers. Use one hand to support the tom, pipe, or cymbal mount while you slowly loosen the knob.
- To prevent the stand from tipping over or falling, tighten the knobs until there is no looseness. When tightening knob 5 or knob 9, ensure that the gears that maintain the angle are firmly meshed.

NOTE All purpose clamp

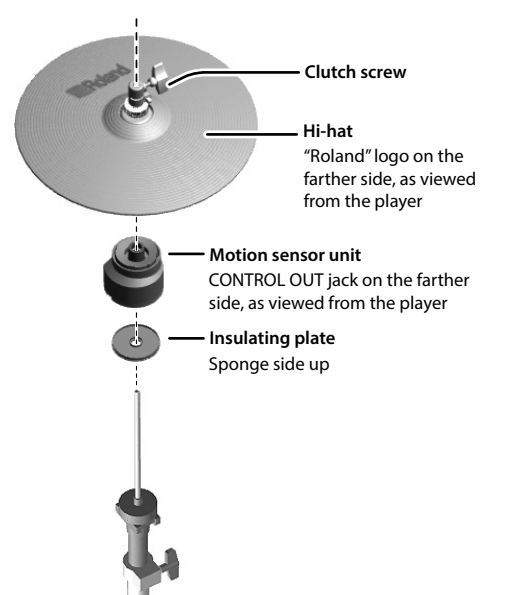
- Tighten the hex nut according to the diameter of the pipe that is being clamped. Ensure that the clamp is parallel with the main unit when the knob 1 and knob 3 is tightened.
- To prevent the stand from tipping over or falling, tighten the knobs until there is no looseness.

3

Attaching Various Parts

- * When handling the hi-hat control pedal, kick pedal, or cymbal pads, take care not to pinch your fingers between movable parts and the main unit. If using this in a location where children are present, be sure to provide adult supervision or guidance.

Attach the hi-hat



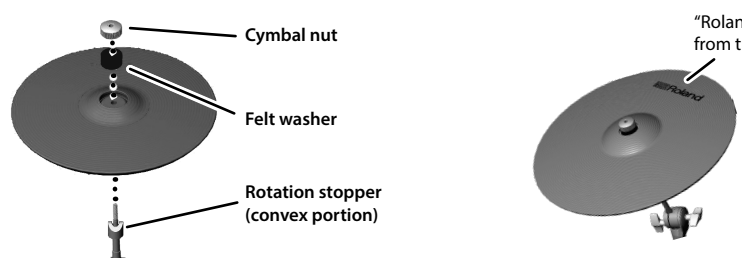
Compatible stands

Diameter: 6.0–7.0 mm

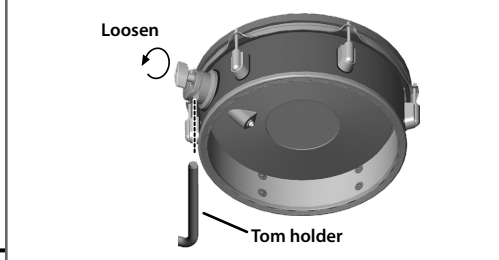
Diameter: 11.7 mm MAX

Attach the crash cymbal and ride cymbal

1. Position the cymbal so that the stopper (convex portion) of the cymbal mount is aligned with the concave portion of the bottom of the cymbal.
 2. Tighten the cymbal nut to obtain an appropriate amount of sway.
- * Use the cymbal nut and felt washer that are included with the drum stand.



Attach the toms



Attach the kick pedal

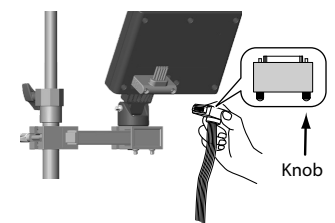
1. Loosen the rod lock knob, and attach the rod. Position the rod so that the memory lock is in close contact with the bracket of the main unit, and then tighten the rod lock knob.
 2. Attach the kick pedal at the kick pedal attachment position (the gap in the batter hoop).
- Attach the kick pedal so that its entire bottom surface contacts the floor.
- MEMO**
For details on attaching the kick pedal, refer to the owner's manual of your kick pedal.

4

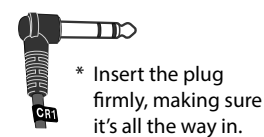
Connect the pads to the drum sound module

Connection procedure

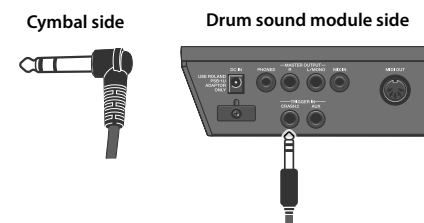
1. Connect the dedicated connection cable to the TRIGGER INPUT connector on the bottom of the drum sound module. Insert the connector all the way, then turn the knobs to fasten it securely.



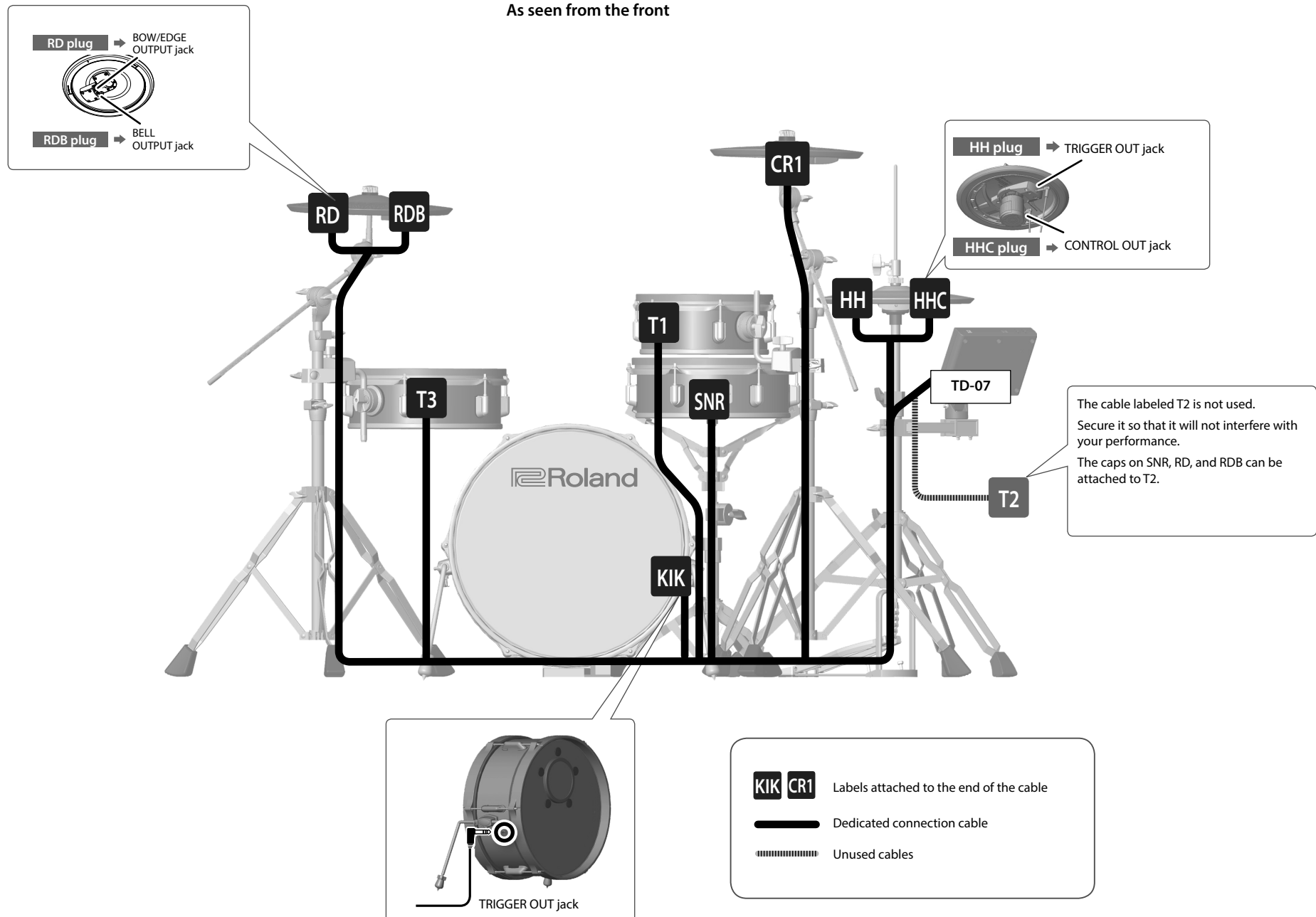
2. Labels indicating the pad to be connected are attached to the dedicated connection cable. Connect the cable to the OUTPUT jack of each pad as shown in the illustration below.



3. Use the trigger cable included with the bass drum to connect Crash 2 to the CRASH 2 jack on the rear panel of the drum sound module.



As seen from the front

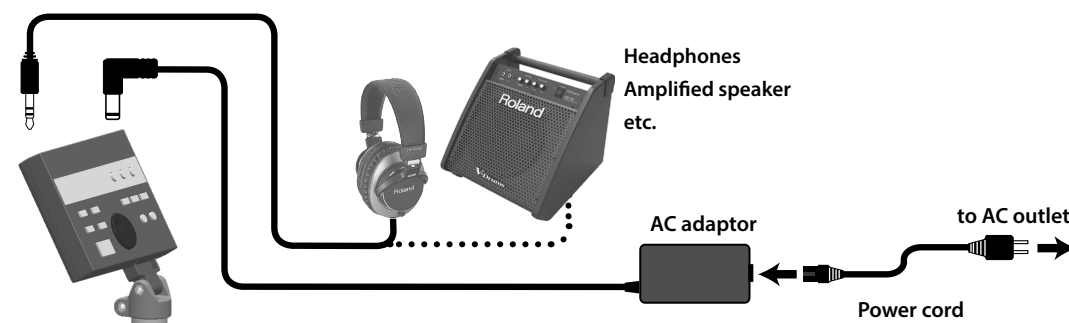


5

Connect the AC adaptor and headphones/speakers

Connect the AC adaptor, headphones, or speakers as described in the TD-07 Owner's Manual.

- * To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.



This completes setup and connections.

- When you've finished making connections, turn on the power as described in “TD-07 Owner's Manual,” and verify that you can hear sound.

Detailed explanation of each part

Adjust the hi-hat (VH-10)

If you're using the VH-10 V-hi-hat, execute the offset adjustment from the drum sound module (TD-07) after making connections. This adjustment is required for pedal movements such as open or close to be detected correctly.

1

Adjust the offset.

1. With the hi-hat completely separated from the motion sensor unit, power-on the TD-07.

clutch screw

Separated

motion sensor unit

2. Loosen the clutch screw and let the hi-hat rest naturally on the motion sensor unit.

3. Press the [SETUP] button.

4. Use the [PAD] buttons to select "PAD," and press [ENTER] button.

5. Strike the hi-hat to select the pad.

6. Use the [PAD] buttons to select "Type," and use the dial to select the type of hi-hat you're using (VH-10).

PAD

Type

HH

VH10

7. Use the [PAD] buttons to select "VH Set," and press [ENTER] button.

8. If the screen indicates "Turn screw L," turn the offset adjustment screw counter-clockwise. If the screen indicates "Turn screw R," turn it clockwise.

When the value shown in the lower left of the screen is approximately 80 and the "OK" indication appears, the adjustment is complete.

Adjust HH offset

<80> OK! [EXIT]

9. Fasten the clutch screw so that the hi-hat opens to the amount you prefer.

10. Press the [DRUM KIT] (DRUM KIT) button to return to the DRUM KIT screen.

NOTE

The hi-hat has a correct orientation. Positioning "Roland" logo on the farther side, as viewed from the player will operate correctly.

NOTE

If you find the closed hi-hat sound difficult to play, turn the offset adjustment screw toward "CLOSE."

If you find the open hi-hat sound difficult to play, turn it toward "OPEN."

* If the sound is interrupted when you play a strong strike, adjust the offset adjustment screw toward "OPEN."

Reference

For details on the hi-hat, refer to "VH-10 Owner's Manual."

Fixing the cables

Wind the cable tie once

Tighten it not to slip

leave some slack in the cables

Turn back to fix the cables

NOTE

Continuous playing may cause dis-coloration of the pad, but this will not affect the Pad's function.

If the hi-hat clutch has been detached from the hi-hat, refer to "If the Clutch Was Apart from the Hi-Hat" in the "VH-10 Owner's Manual."

Bass drum (KD-180L)

1

Attaching the rods

1. Loosen the rod lock knob, and attach the rod.

Position the rod so that the memory lock is in close contact with the bracket of the main unit, and then tighten the rod lock knob.

* We recommend that you use the memory lock in the factory-set position. This allows installation at the recommended rod length and angle.

Memory lock

Rod lock knob

Rod

2. Adjust the tip of the rods (spike/rubber) appropriately for the surface on which you're placing the bass drum.

Spike	Soft floor Carpet, etc.
Rubber	Hard floor Wood flooring, concrete, etc.

If you loosen the foot nut and rotate the foot to raise it, the spike will be exposed.

Tighten the foot nut to secure the position of the foot.

Spike

Rubber

Foot nut

Foot

Spike

* The tip of the spike is sharp; handle it with care.

* Using the spike leg tips on wood flooring may damage the floor; the rubber leg tips should be used on wood flooring.

2

Attaching the kick pedal

1. Attach the kick pedal at the kick pedal attachment position (the gap in the batter hoop).

Adjust the location at which the kick pedal is attached so that the beater strikes the center of the batter head's strike surface; then securely fasten the kick pedal to the VAD103.

Beater must hit the center of the striking surface

Attach to the gap in the batter hoop

Attach the kick pedal so that its entire bottom surface contacts the floor.

NOTE

A variety of commercially available beaters can be used, including felt, plastic, or wood types.

However, if you use a felt beater, strike marks of the felt might remain on the striking surface.

3

Adjusting the head tension

Adjust the tension of the batter head before you play the bass drum. You can vary the strike response (playing feel) by adjusting the tension.

1. Adjust each tension bolt little by little, working back and forth across the head in the order shown in the illustration.

Fully tightening a tension bolt at only a single location will produce uneven tensioning, which will make it impossible to achieve correct strike response and also cause malfunctions.

2. Adjust each tension bolt so that the head is tensioned evenly.

NOTE

Adjusting the head tension affects only the head response, and does not change the pitch of the sound as it would on an acoustic drum.

Pitch adjustments are made by editing the sound in your drum sound module.

Snare (PDA120LS)

Tom (PDA120L / PDA100L)

Adjusting the head tension

1. Adjust each tuning bolt little by little, across the head as indicated in the illustration.

Slightly stronger tension than the strike feel of an acoustic drum is appropriate.

2. Make additional fine adjustments to the tension while you continue checking the feel of the pad's strike.

* Fully tightening a tension bolt at only a single location will produce uneven tensioning, which will make it impossible to achieve correct strike response and may also cause malfunctions.

NOTE

Adjusting the head tension affects only the head response, and does not change the pitch of the sound as it would on an acoustic drum.

Pitch adjustments are made by editing the sound in your drum sound module.

Reference

For details on the toms, refer to "PDA120LS/PDA120L/PDA100L Owner's Manual."

Crash cymbal (CY-12C)

Ride cymbal (CY-13R)

Fixing the cables

Leave some slack in the cables

Secure the cable in place with the cable tie

Be sure to make this small plastic hook visible from you.

Wind a cable tie around the pipe and tighten it in order to not to slip.

Wind a cable tie around a cable.

Insert the small plastic hook to a hole to secure the cable to the cymbal arm.

Reference

For details on the cymbals, refer to "CY-13R/CY-12C Owner's Manual."

NOTE

Continuous playing may cause dis-coloration of the pad, but this will not affect the Pad's function.

INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

WARNING

About **WARNING** and **CAUTION** Notices

Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.

CAUTION

Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly.

* Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

Always Observe The Following

WARNING

Do not use or store in the following types of locations

- Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are
- Damp (e.g., baths, washrooms, on wet floors); or are
- Exposed to steam or smoke; or are
- Subject to salt exposure; or are
- Exposed to rain; or are
- Dusty or sandy; or are
- Subject to high levels of vibration and shakiness; or are
- Placed in a poorly ventilated location.

WARNING

Be cautious to protect children from injury

Always make sure that an adult is on hand to provide supervision and guidance when using the unit in places where children are present, or when a child will be using the unit.

Otherwise, you risk causing damage or malfunction.

CAUTION

Use only the specified stand(s)

This unit is designed to be used in combination with specific stands (DCS-10) and all purpose clamp (APC-10) manufactured by Roland. If used in combination with other stands, you risk sustaining injuries as the result of this product dropping down or toppling over due to a lack of stability.

Do not drop or subject to strong impact

Evaluate safety issues before using stands

Even if you observe the cautions given in the owner's manual, certain types of handling may allow this product to fall from the stand, or cause the stand to topple over. Please be mindful of any safety issues before using this product.

Route all power cords and cables in such a way as to prevent them from getting entangled

Injury could result if someone were to trip on a cable and cause the unit to fall or topple.

Avoid climbing on top of the unit, or placing heavy objects on it

Otherwise, you risk injury as the result of the unit toppling over or dropping down.

CAUTION

Disconnect all cords/cables before moving the unit

Damage or malfunction may result if you fail to disconnect all cables before moving the unit.

CAUTIONS when moving this unit

If you need to move the instrument, take note of the precautions listed below. At least two persons are required to safely lift and move the unit. It should be handled carefully, all the while keeping it level. Make sure to have a firm grip, to protect yourself from injury and the instrument from damage.

- Check to make sure the bolts and hand knobs securing the stand have not become loose. Fasten them again securely whenever you notice any loosening.
- Disconnect the power cord.
- Disconnect all cords coming from external devices.
- Disconnect the kick pedal.
- Disconnect the connection cable of the kick pad.
- Disconnect the connection cable of the hi-hat control pedal.

Take care so as not to get fingers pinched

When handling the following moving parts, take care so as not to get fingers, toes, etc., pinched. Whenever a child uses the unit, an adult should be on hand to provide supervision and guidance.

- Stands
- Pedals
- Knobs
- Hi-hat control pedal
- Kick pedal
- Bottom of the cymbal pad (see figure)

Keep small items out of the reach of children

To prevent accidental ingestion of the parts listed below, always keep them out of the reach of small children.

Included Parts:

- Cable tie
- Drum key

Removable Parts:

- Screws
- Washers
- Nuts
- Felt washers
- Springs
- Knobs
- Protective cap for dedicated connection cable

IMPORTANT NOTES

Placement

- Depending on the material and temperature of the surface on which you place the unit, its rubber feet may discolor or mar the surface.

Additional Precautions

- Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.
- Never strike or apply strong pressure to the display.
- This instrument is designed to minimize the extraneous sounds produced when it's played. However, since sound vibrations can be transmitted through floors and walls to a greater degree than expected, take care not to allow these sounds to become a nuisance others nearby.
- When disposing of the packing carton or cushioning material in which this unit was packed, you must observe the waste disposal regulations that apply to your locality.
- The rubber portion of the striking surface is treated with a preservative to maintain its performance. With the passage of time, this preservative may appear on the surface as a white stain, or reveal how the pads were struck during product testing. This does not affect the performance or functionality of the product, and you may continue using it with confidence.
- Continuous playing may cause dis-coloration of the pad, but this will not affect the pad's function.
- This document explains the specifications of the product at the time that the document was issued. For the latest information, refer to the Roland website.

Intellectual Property Right

- The copyright of content in this product (the sound waveform data, style data, accompaniment patterns, phrase data, audio loops and image data) is reserved by Roland Corporation.
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* Depending on how the drums are set up and played, some pads might be triggered unintentionally or one of the pads might not respond when two pads are struck at the same time. In this case, press the [SETUP] button on the sound module, select "PAD," select "ADVANCED," and adjust the "XikCancel" parameter. For details, refer to "TD-07 Owner's Manual."