

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 drum sound module.

VAD507 / VAD504 parts

- KD-200 (Bass Drum) x 1
- TD-27 (Drum sound module) x 1
- PD-140DS (Digital snare) x 1
- CY-18DR (Digital ride) x 1
- VH-14D (Hi-hat) x 1
- CY-14C-T (Crash 1) x 1
- DCS-30 (Drum combination stand) x 1
- DBS-30 (Drum boom stand) x 1
- PDA140F (Floor tom) x 1
- PDA100 (tom1) x 1
- APC-10 (All purpose clamp) x 1

Included with the TD-27

- Sound module mounting plate x 1
- Drum key x 1
- Wing bolts x 2
- Dedicated connection cable x 1

Included with the PD-140DS, CY-18DR and VH-14D

- Connection cable x 3

Included with the PDA140F

- Legs x 3

Only VAD507

- DCS-30 (Drum combination stand) x 1
- PDA120 (tom2) x 1

CY-16R-T (Crash 2) x 1

- Trigger cable x 1

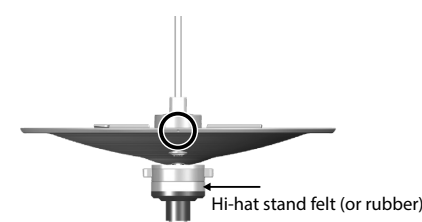
Owner's Manuals

- VAD507/VAD504 Setup Guide (this document)
- TD-27 Quick Start
- KD-200 Owner's Manual
- PD-140DS Owner's Manual
- CY-18DR Owner's Manual
- VH-14D Owner's Manual
- CY-16R-T/CY-14C-T Owner's Manual
- DBS-30/DCS-30 Owner's Manual
- PDA100/PDA120/PDA140F Owner's Manual
- APC-10 Owner's Manual

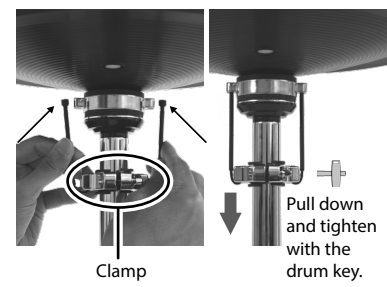
2 Assemble the hi-hat (VH-14D)

Assemble the stand using the procedure described in "VH-14D Owner's Manual".

- Place the bottom cymbal on the hi-hat stand with the cymbal rod passing through the bottom cymbal hole.

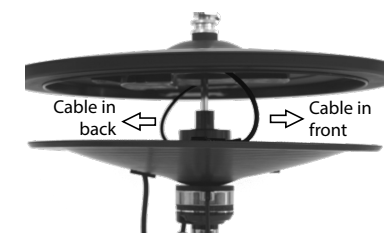


- Pass the ends of the clamp through the grooves in the metal portion of the bottom cymbal, then while strongly pulling the clamp downward, secure it with the drum key.



- Connect the link cables A/B on the top cymbal to the link jacks A/B of the bottom cymbal.

View from the side



* Don't pull the link cables too hard when assembling this product.

* Make sure that both the top cymbal and bottom cymbal can be opened and closed smoothly.

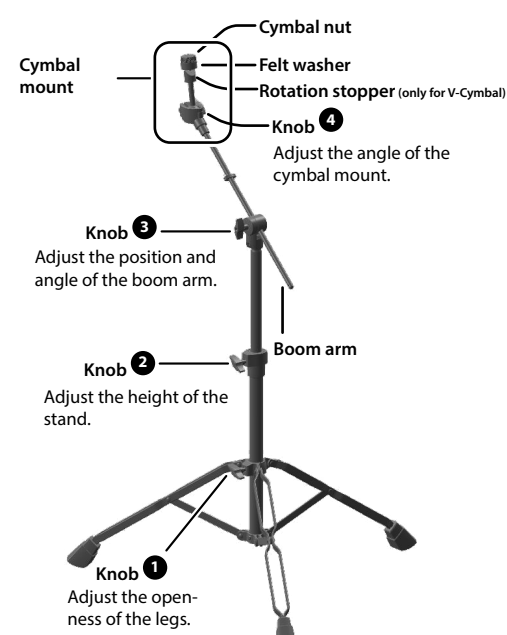
3 Set Up the Stand

- * 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.

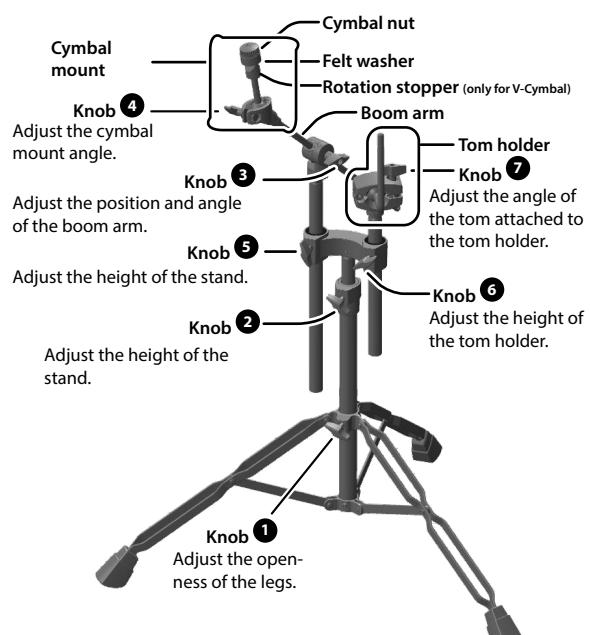
Setup procedure

Set up the stand as shown in the illustration.

Boom stand (DBS-30)

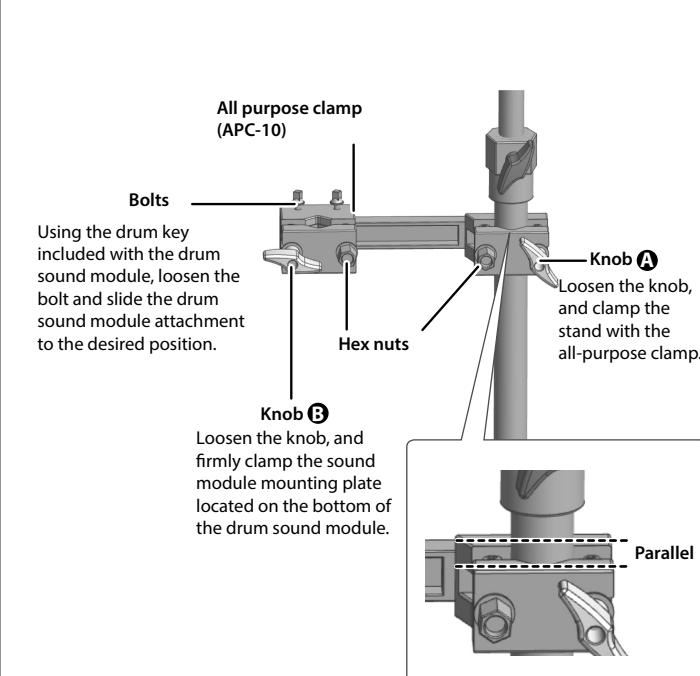


Combination stand (DCS-30)



Attach the all-purpose clamp to the stand.

Hi-hat stand (commercially available)



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 6, ensure that the gears that maintain the angle are firmly meshed.

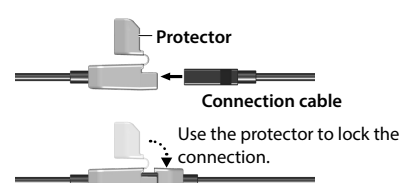
NOTE All purpose clamp

- 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 A and knob B is tightened.
- Take care not to slide the drum sound module mount too far outward. Doing so will produce instability, possibly allowing the drum sound module to fall.

4 Attaching Various Parts

Setting up the hi-hat (VH-14D)

Insert the plug of the connecting cable included with the VH-14D into the DIGITAL TRIGGER OUT jack of the VH-14D.



* While playing, the ● (round dot) marks on the top and bottom cymbals should be lined up, as shown in the illustration. The product may not work correctly if the marks aren't lined up.

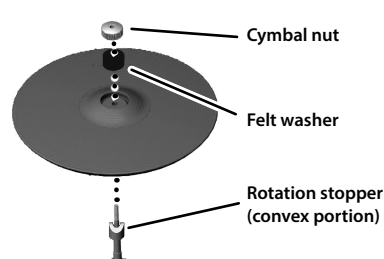
Compatible stands

Diameter: 6.0–7.0 mm

Diameter: 11.7 mm MAX

Attach the crash cymbal (CY-14C-T/CY-16R-T) and ride cymbal (CY-18DR)

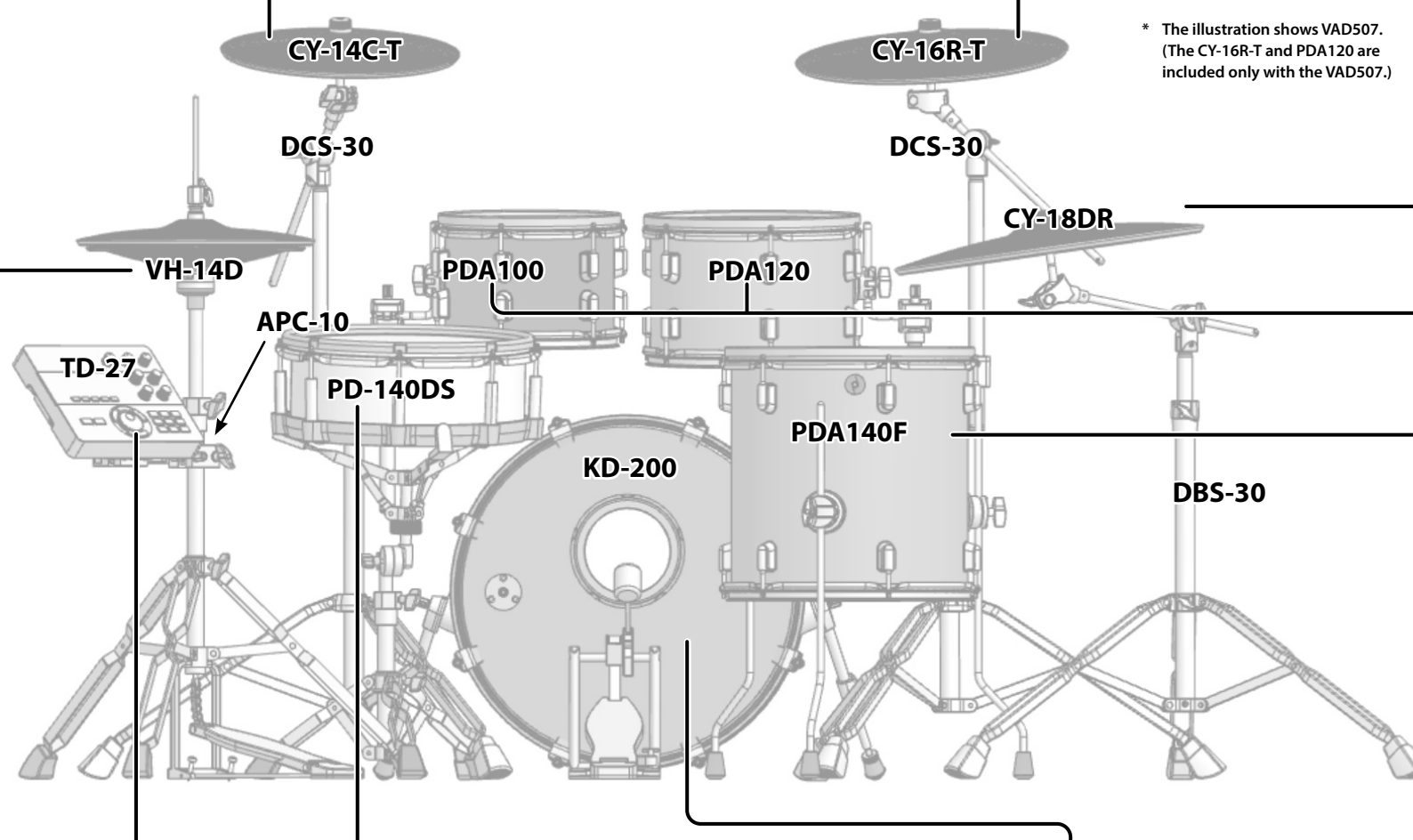
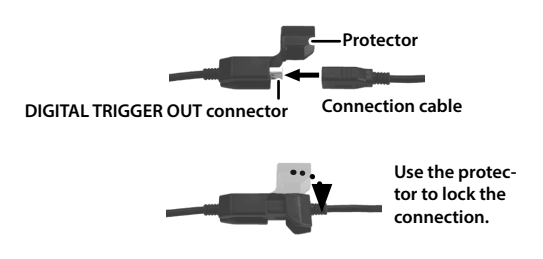
- Position the cymbal so that the stopper (convex portion) of the cymbal mount is aligned with the concave portion of the bottom of the cymbal.
 - Tighten the cymbal nut to obtain an appropriate amount of sway.
- * Use the cymbal nut and felt washer that are included with the drum stand.



* "Roland" logo on the farther side, as viewed from the player.

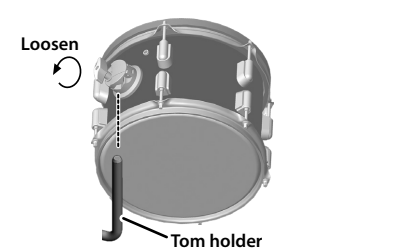
Insert the plug of the connection cable into the CY-18DR's DIGITAL TRIGGER OUT connector.

* Use the long cable to connect the ride cymbal (CY-18DR).



* The illustration shows VAD507. (The CY-16R-T and PDA120 are included only with the VAD507.)

Attach the toms (PDA100/PDA120)



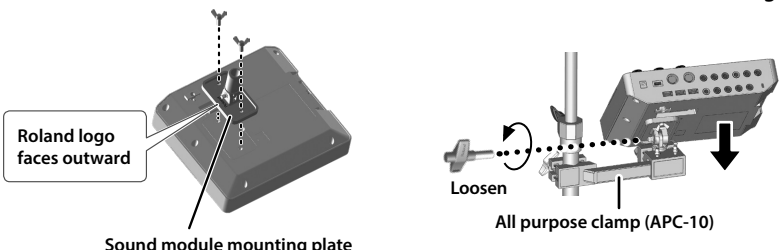
Installing the floor tom (PDA140F)

Attach the legs to the floor tom. Attach the floor tom legs so that the bent portion of the legs extends outward at a right angle relative to the circumference of the tom.



Attach the drum sound module (TD-27)

- Use the included wing bolts to attach the sound module mounting plate to the drum sound module.
- Insert the sound module mounting plate into the all-purpose clamp that is attached to the stand.
- Using the drum key included with the drum sound module, adjust the angle of the sound module mounting plate.

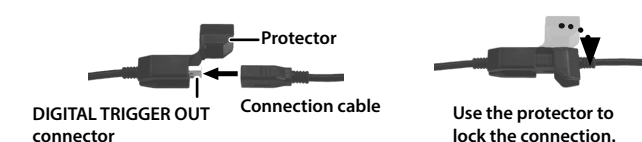


Mounting the snare (PD-140DS) on a snare stand

The PD-140DS can only be used with a commercially available snare stand.

* Make sure that the snare stand you are using is able to support a 14-inch shell.

Insert the plug of the connection cable into the PD-140DS's DIGITAL TRIGGER OUT connector.

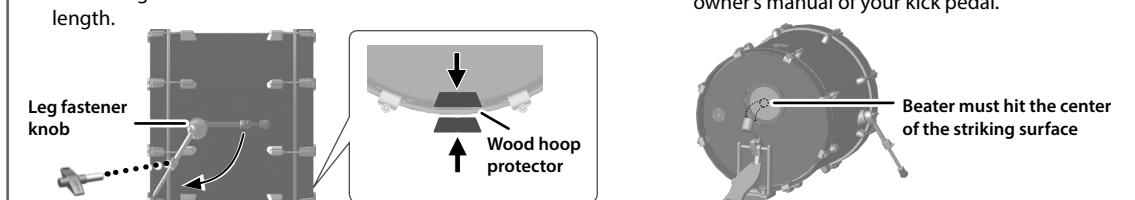


Attach the kick pedal (KD-200)

- Loosen the leg fastener knob, adjust the angle of the leg, and then tighten the leg fastener knob. Using a drum key, adjust the length of the rods so that the left and right are the same length.
- Affix the wood hoop protectors to the position at which the kick pedal is attached.
- Mounting the kick pedal.
- Adjust the location at which the kick pedal is attached so that the beater strikes the center of the strike surface.

MEMO

For details on attaching the kick pedal, refer to the owner's manual of your kick pedal.



5

Connect the pads to the drum sound module

Connection procedure

- 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.
- 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.
 - * Insert the plug firmly, making sure it's all the way in.
- Using the included connection cables, connect the snare (PD-140DS), ride (CY-18DR) and hi-hat (VH-14D) to the DIGITAL TRIGGER IN ports of the drum sound module.
 - * You may connect to any of the ports 1-3.
- Only VAD507** Using the included trigger cable, connect crash 2 to the CRASH 2 jack of the TRIGGER IN jack on the back panel of the drum sound module.

VAD507
As seen from the front

CR2 plug → BOW/EDGE OUTPUT jack
* BELL OUTPUT jack is not used.

* The T2 cable features a protective cap for the connector. Remove the cap before connecting the cable to the pad.

Striking surface
OUTPUT jack

KIK CR1 Labels attached to the end of the cable
 — Dedicated connection cable
 — Trigger cable (Crash 2)
 — Connection cable (Snare, Ride, Hi-hat)

VAD504
As seen from the front

The cables labeled T2 is not used. Secure it so that it will not interfere with your performance.

Striking surface
OUTPUT jack

Pass cables below the bass drum so that they do not obstruct performance.

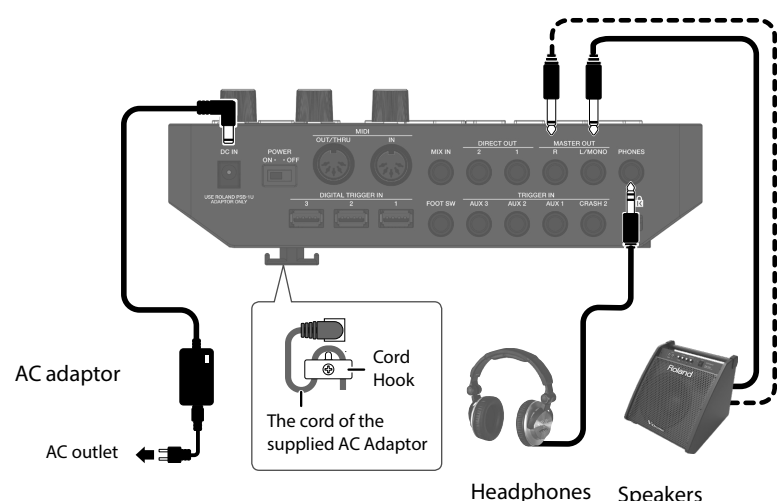
6

Connect the AC adaptor and headphones

Connect the AC adaptor, headphones, or speakers.

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

* Use the cord hook located on the bottom of the unit to secure the AC adaptor cord as shown in the illustration.



This completes setup and connections.

■ When you've finished making connections, turn on the power as described in "TD-27 Quick Start", and verify that you can hear sound.

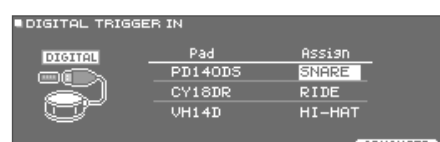
■ Set the snare (PD-140DS), the ride cymbal (CY-18DR) and the hi-hat (VH-14D)

The first time you connect the PD-140DS, CY-18DR and VH-14D to the DIGITAL TRIGGER IN port, the following screen will appear. As directed in the screen, assign the PD-140DS as snare, assign the CY-18DR as ride, and assign the VH-14D as hi-hat.



* If you specify the same trigger input as a pad that is connected to a dedicated connection cable or TRIGGER IN jack, the pad that's connected to that TRIGGER INPUT jack and TRIGGER IN jack won't produce sound.

1. Use the cursor buttons to select "OK", and press [ENTER] button.



2. Use the cursor buttons to select "PD140DS", "CY18DR", or "VH14D".

3. Use the dial to specify the Assign.

* You can't specify the same assignment multiple times.

Setting example

Pad	Assign
PD140DS	SNARE
CY18DR	RIDE
VH14D	HI-HAT

4. Press the [DRUM KIT] button to return to the DRUM KIT screen.

This completes settings.

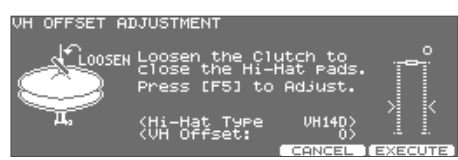
Detailed explanation of each part

Adjust the hi-hat (VH-14D)

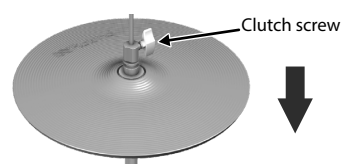
When using the VH-14D, be sure to adjust the offset and hi-hat on the TD-27 after connecting. This adjustment is required in order to correctly detect open, close, and pedal operations.

Adjusting the offset

- Press the [SYSTEM] button.
- Use the cursor buttons to select "TRIGGER", and then press the [ENTER] button.
- Use the cursor buttons to select "HI-HAT", and then press the [ENTER] button.
The TRIGGER HI-HAT screen appears.
* "VH-14D" is not shown as a Trig Type when the VH-14D is not connected or if it is not assigned as the hi-hat. In this case, connect the VH-14D and assign it as the hi-hat.
- Press the [F5] (OFFSET) button.
The VH OFFSET ADJUSTMENT screen appears.



- Loosen the clutch screw of the top cymbal and let it sit on the bottom cymbal.
* Do NOT touch the hi-hats or the pedal.



- Press the [F5] (EXECUTE) button.

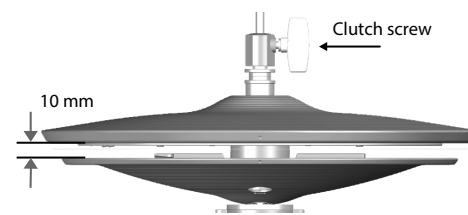


The "VH Offset" parameter is set automatically (approx. 3 seconds).

- Press the [KIT] button to return to the DRUM KIT screen.

Adjusting the hi-hat

- Adjust the gap between the top cymbal and bottom cymbal to a clearance of approximately 10 mm, then tighten the clutch screw.

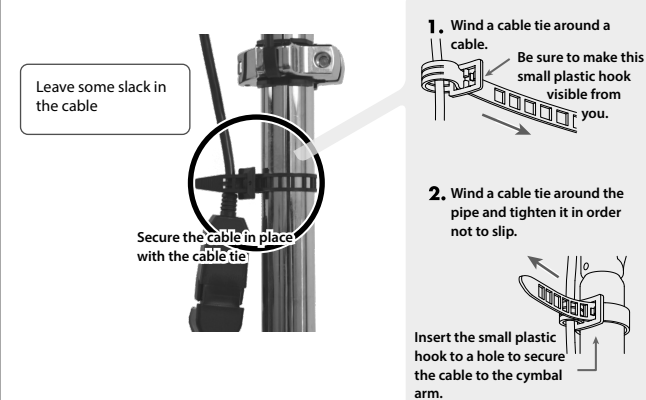


* Although the gap can be adjusted to a clearance that makes playing the hi-hat easier, setting too narrow or wide a gap can cause improper function of the unit and prevent the hi-hat from sounding as you intend. Setting the gap to 10 mm provides the most natural feel when playing the VH-14D.

- Change the spring tension by adjusting the hi-hat stand.

For instructions on adjusting the tension, refer to the owner's manual for your hi-hat stand.
* If the spring tension is too high or too low, the hi-hat may not operate correctly and you might not be able to play the way you intended.
* The tension may not be adjustable on some stands.

Fixing the cables



NOTE

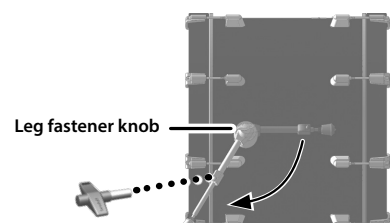
- Continuous playing may cause dis-coloration of the pad, but this will not affect the Pad's function.
- See the VH-14D Owner's Manual for details on the hi-hat.

Bass drum (KD-200)

- Extend the legs of the bass drum.

- Loosen the leg fastener knob, adjust the angle of the leg, and then tighten the leg fastener knob.

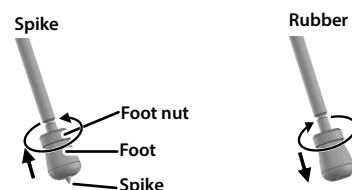
Using a drum key, adjust the length of the rods so that the left and right are the same length.



- Adjust the tip of the legs (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.

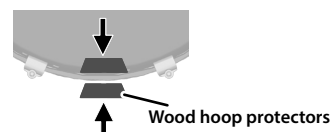
If you loosen the foot nut and rotate the foot to raise it, the spike will be exposed. Tighten the foot nut to secure the position of the foot.



- * 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.

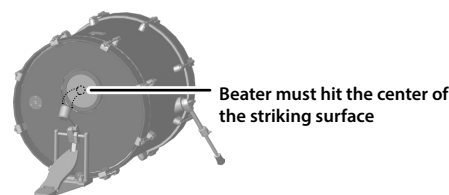
- Attaching the kick pedal.

- Affix the wood hoop protectors to the position at which the kick pedal is attached.



- Mount the kick pedal.

Adjust the location at which the kick pedal is attached so that the beater strikes the center of the strike surface; then securely fasten the kick pedal to the KD-200.



- After attaching the kick pedal, adjust the angle of the legs and the length of the rods as necessary.

* 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.

NOTE

- Secure the kick pedal and KD-200 firmly in place.
- Take care not to pinch your fingers.

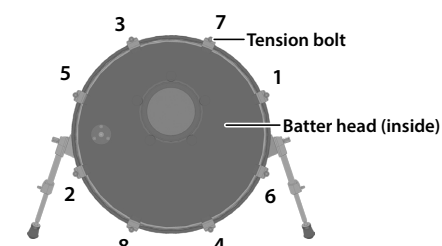
- Adjusting the head tension

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.

- 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 may also cause malfunctions.

- 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.

Reference

For details on the Bass drum, refer to "KD-200 Owner's Manual".

Snare (PD-140DS)

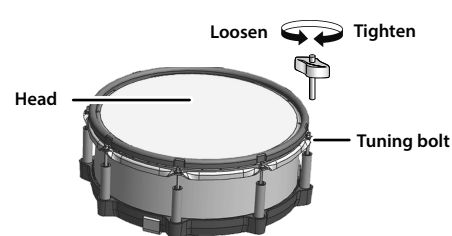
Adjusting the head tension

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

Adjust the tension so that the pad responds to your strikes with the appropriate feel.

- 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 snare, refer to "PD-140DS Owner's Manual".

Tom (PDA100 / PDA120 / PDA140F)

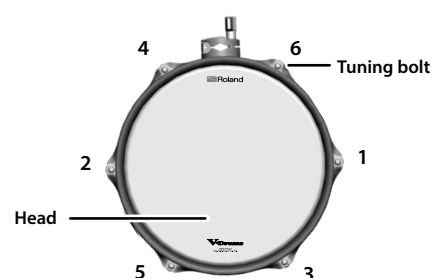
Adjusting the head tension

- 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.

- 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.

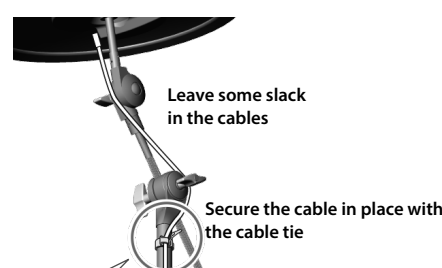
Reference

For details on the toms, refer to "PDA100/PDA120/PDA140F Owner's Manual".

Crash cymbal (CY-16R-T) / (CY-14C-T)

Ride cymbal (CY-18DR)

Fixing the cables



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-16R-T/CY-14C-T Owner's Manual" or "CY-18DR Owner's Manual".

NOTE

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

USING THE UNIT SAFELY

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

About ⚠️ WARNING and ⚠️ CAUTION Notices

⚠️ WARNING	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.

About the Symbols

	The ⚠️ symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.
	The ⚡ symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.
	The ⚡ symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power-cord plug must be unplugged from the outlet.

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.



Use only the stand that is recommended

This unit should be used only with a stand (DCS series, DBS series) and an all purpose clamp (APC-10) that is recommended by Roland.



Do not place in a location that is unstable

When using the unit with a stand (DCS series, DBS series) and an all purpose clamp (APC-10) recommended by Roland, the stand must be carefully placed so it is level and sure to remain stable. If not using a stand, you still need to make sure that any location you choose for placing the unit provides a level surface that will properly support the unit, and keep it from wobbling.



⚠️ 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.



Do not drop or subject to strong impact

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 series, DBS series) 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.



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 overturn. 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.



Disconnect all cords/cables before moving the unit

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



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

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
- Wing bolts
- Drum key

Removable Parts:

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

IMPORTANT NOTES

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.
- 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.
- 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

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