

OUTRIDE
THE
ORDINARY

INSTALLATION GUIDE

PART

BUZZRAW X FENDERS



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COMPATIBLE WITH

BUZZRAW X



02. IMPORTANT INFORMATION

Please read and understand the instructions carefully before installing the Buzzraw X fenders onto the bike.

Take note of the difference between the hardware for the front and rear fenders. Information can be found on page 4.

If you encounter any issues during the installation procedure, please contact us at:

enquiries@coastcycles.com

03. REQUIRED TOOLS

TOOLS

3mm Hex Socket Bit or Hex Wrench

4mm Hex Socket Bit or Hex Wrench

8mm Socket Wrench or Spanner

Torque Wrench

Ruler

ADDITIONAL ITEMS

Medium Strength Threadlocker, Lactate 243 or equivalent

M6 x 1.0mm Metric Tap

M5 x 0.8mm Metric Tap

04. BOX CONTENTS

FRONT FENDER HARDWARE

- 1 Front Fender (X1)
- 2 Front Fender Strut (X1)
- 3 M5 x 10mm Button Head Bolt (X2)
- 4 M6 x 15mm Button Head Bolt (X1)
- 5 M6 x 5mm Alloy Spacer (X1)
- 6 M5 Washer (X2)
- 7 M6 Washer (X1)
- 8 Alloy Cup Washers (X2)
- 9 M5 Nylon Locknut (X2)



(Fig. 1) Front Fender Hardware



(Fig. 2) Rear Fender Hardware

REAR FENDER HARDWARE

- 1 Rear Fender (X1)
- 2 Rear Fender Strut (Middle) (X1)
- 3 Rear Fender Strut (Rear) (X1)
- 4 M6 x 15mm Button Head Bolt (X1)
- 5 M6 X 20mm Button Head Bolt (X2)
- 6 M6 x 5mm Nylon Spacer (X2)
- 7 M5 Washer (X4)
- 8 M6 Washer (X3)
- 9 Alloy Cup Washers (X4)
- 10 M5 Nylon Locknut (X4)



(Fig. 3) Front and Rear Fender



(Fig. 4) Front, Rear (Middle) and Rear (Rear) Struts

05. HARDWARE IDENTIFICATION

The rear fender can be identified by the mounting tab with a slotted hole located on one end of the fender. (Fig. 5)



(Fig. 5) Mounting tab on the rear fender.

Cup washer and M6x5mm spacer identification. (Fig. 6 & 7)



(Fig. 6) Cup washers



(Fig. 7) M6x5mm spacer

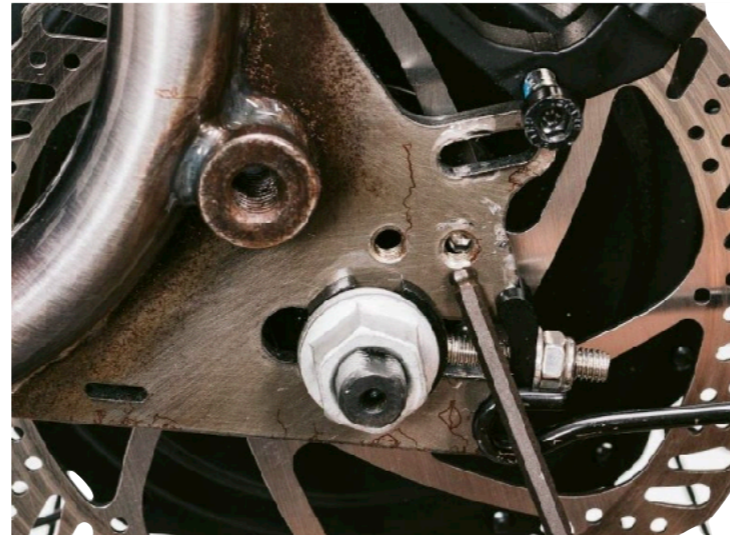
06. FRAME PREPARATION

The mounting points for the fender struts may need to be cleared of excess paint left over from the manufacturing process.

The residual paint will make it difficult to thread the mounting bolts into their respective points.

This will cause inaccurate torque readings when attempting to tighten the bolts to their specified torque value.

Use the M6x1.0mm tap to clear the residual paint out of the mounting points in the rear dropouts. (Fig. 8)



(Fig. 8) Clear the threads of the mounting hole indicated above with a M6x1.0mm tap.

TOOL REQUIRED

M6x1.0mm Tap

Use the M5x0.8mm tap to clear the residual paint out of the mounting points in the fork dropouts.
(Fig. 9)



(Fig. 9) Clear the threads of the mounting hole in the fork with a M5x0.8mm tap

TOOL REQUIRED

M5x0.8mm Tap

07. INSTALLATION PROCEDURE

FRONT FENDER

Remove the front wheel from the fork on the bicycle.

Locate the fender attachment points on the Front Fender Mounting Strut and position them along the horizontal bar of the strut.

Place the cup washers onto the threaded ends hollow side down. (Fig. 6 & 7)



(Fig. 6) Cup washer to be placed hollow side down



(Fig. 7) Cup washer on the fender attachment points

Locate the two holes drilled side by side on one end of the fender. These are the mounting holes for the strut.

Insert the threaded portion of the fender attachment points through the holes in the fender.

Take note of the orientation of the strut such that the frame mount points (looped ends) of the strut are angled forward. (Fig. 8)



(Fig. 8) Note the orientation of the bend in the struts with relation to the fender.

HARDWARE REQUIRED

Front Fender (X1)
Front Fender Strut (X1)
Cup Washer (X2)

Place one M5 washer on each of the threaded mounting points (Fig. 9) before threading on the M5 locknuts. (Fig. 10)



(Fig. 9) Place one M5 washer on each of the threaded mounting points.



(Fig. 10) Thread on the M5 locknut after placing the M5 washer.

Ensure the strut is centred on the fender before tightening the M5 locknuts to **3Nm**. (Fig. 11 & 12)



(Fig. 11) Center the struts on the fender.



(Fig. 12) Tighten the M5 locknuts to **3Nm**.

HARDWARE/ TOOL REQUIRED

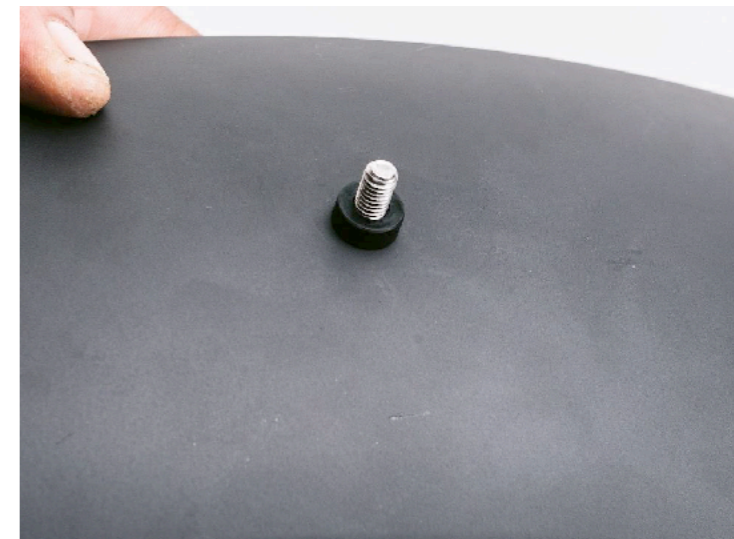
Front Fender (X1)
Front Fender Strut (X1)
M5 Washer (X2)
M5 Nylon Locknut (X2)
8mm Socket Wrench or Spanner

Insert the M6x15mm button head bolt from the bottom of the fender. (Fig. 13)

Place the M6 x 5mm spacer over the bolt. (Fig. 14)



(Fig. 13) Insert the M6x15mm button head bolt from the bottom of the fender.



(Fig. 14) Place the M6x5mm spacer over the bolt.

Place the M6 washer onto the M6 x 15mm button head bolt and apply the medium strength thread locker as per the manufacturer's instructions. (Fig. 15)

Thread the bolt into the middle mounting point on the Buzzwalker fork. Ensure the fender is aligned as straight as possible and tighten the bolt to **4Nm**. (Fig. 17)



(Fig. 15) Application of the medium strength thread locker to the bolt.



(Fig. 16) Thread the bolt into the middle mounting point on the Buzzwalker fork. Tighten to **4Nm**.

HARDWARE/ TOOL REQUIRED

Front Fender (X1)
 M6x15mm Button Head Bolt (X1)
 M6x5mm Spacer (X1)
 M6 Washer (X1)
 4mm Hex Bit
 Torque Wrench

Apply the medium strength thread locker to the M5 x10mm Button Head Allen Bolts as per the manufacturer's instructions.

Insert the bolt through the looped end of the strut and thread the bolt into the threaded hole located behind the wheel axle on the dropout of the fork. (Fig 17.) Tighten to **4Nm**. (Fig. 18)

Reinstall the front wheel and check the alignment of the fender. The front fender installation is completed.

For fine tuning of the fender, proceed to page 20.



(Fig. 17) Insert the M5x10mm button head bolt through the looped end of the strut and thread the bolt into the threaded hole on the fork dropout.



(Fig. 18) Tighten the bolt to **4Nm**.



(Fig. 19) Completed installation.

HARDWARE/ TOOL REQUIRED

M5 X 10mm Button Head Bolt (X2)
4mm Hex Bit
Torque Wrench

08. INSTALLATION PROCEDURE

REAR FENDER

Remove the rear wheel from the bicycle.

To facilitate removal of the rear wheel, loosen the IS mount bolts on the brake caliper. Remove the aft most bolt completely and push the caliper upwards. (Fig. 20 & 21)

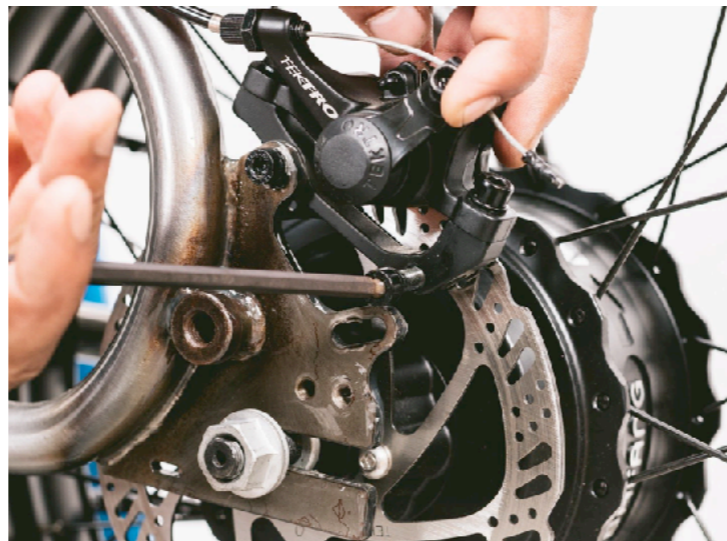


(Fig. 20) Remove the aft most bolt completely.



(Fig. 21) Lift the caliper clear of the frame.

Thread the bolt back into the IS mount and allow the caliper to rest on the brake mount. (Fig, 22 & 23)
This will keep the brake caliper out of the way of the brake rotor during the wheel removal.



(Fig. 22) Thread the bolt back into the adaptor by several turns.



(Fig. 23) Allow the caliper to rest on the frame.

TOOL REQUIRED

5mm Hex Bit
Tool for rear hub depends on the hub used

Locate the fender attachment points on the Rear Fender Strut (Middle) & (Rear) and position them along the horizontal bar of the strut. Place the cup washers onto the threaded ends hollow side down. (Fig. 24 & 25)



(Fig. 24) Cup washer to be placed hollow side down.



(Fig. 25) Cup washers on the fender attachment points.

Locate the two holes drilled side by side on the end and in the middle of the fender. These are the mounting holes for the strut.

Insert the threaded portion of the fender attachment points through the holes in the fender. Take note of the orientation of the struts. (Fig. 26)



(Fig. 26) Note the orientation of the bend in the struts with relation to the fender.

HARDWARE REQUIRED

Rear Fender (X1)
 Rear Fender Strut (Middle) (X1)
 Rear Fender Strut (Rear) (X1)
 Cup Washer (X4)

Place one M5 washer on each of the threaded mounting points (Fig. 27) before threading on the M5 lock nuts. (Fig. 28)



(Fig. 27) Place one M5 washer on each of the threaded mounting points.



(Fig. 28) Thread on the M5 locknut after placing the M5 washer.

Ensure the strut is centered on the fender before tightening the M5 lock nuts to **3Nm**. (Fig 29 & 30)



(Fig. 29) Center the struts on the fender.



(Fig. 30) Tighten the M5 locknuts to **3Nm**.

HARDWARE/TOOL REQUIRED

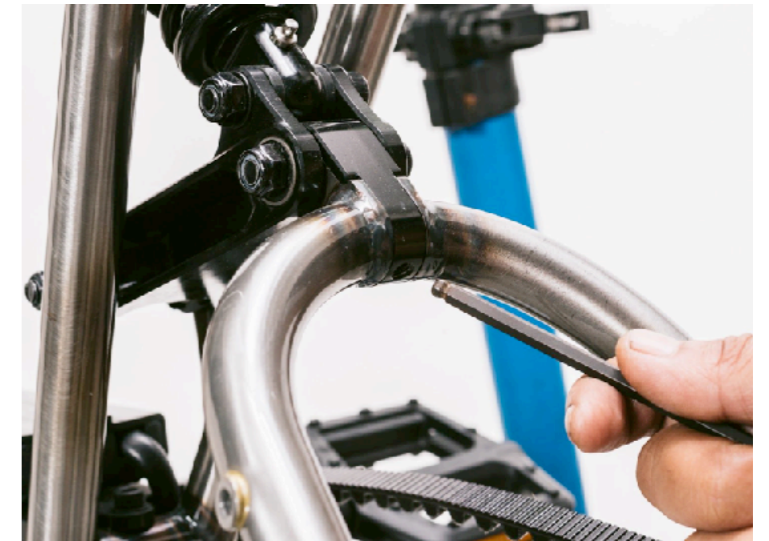
Rear Fender (X1)
Rear Fender Strut (Middle) (X1)
Rear Fender Strut (Rear) (X1)
M5 Washer (X4)
M5 Nylon-Insert Lock Nut (X4)
8mm Socket Wrench or Spanner
Torque Wrench

Place the M6 washer onto the M6x15mm button head bolt and apply the medium strength thread locker as per the manufacturer's instructions. (Fig. 31)

Locate the mounting hole on the rear swingarm of the bike. (Fig. 34)



(Fig. 31) Application of the medium strength thread locker to the bolt.



(Fig. 32) Location of the mounting point.

Insert the bolt through the mounting tab slot from the bottom of the fender and thread it into this hole. Ensure the fender is positioned as close to the seat stay as possible. Tighten the bolt to **4Nm** with a 4mm Hex Wrench. (Fig. 35)

*If you have removed the rear wheel, you will need to reinstall the wheel and the brake caliper at this point.

HARDWARE/ TOOL REQUIRED

Rear Fender (X1)
M6 Washer (X1)
M6 X 15mm Button Head Bolt (X1)
4mm Hex Bit
Torque Wrench



(Fig. 33) Thread the M6 bolt into the hole and tighten to **4Nm**. Ensure the fender is as close to the seat stay as possible.

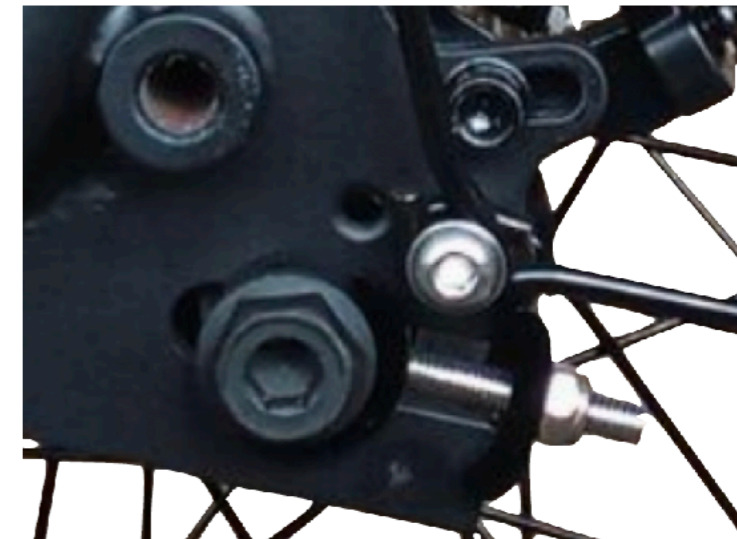
Reinstall the wheel and the brake caliper.

Place the M6 washer onto the M6 x 20mm button head bolt and apply the medium strength thread locker as per the manufacturer's instructions. (Fig. 34)

Use the hole located towards the rear of the dropouts. (Fig. 35)



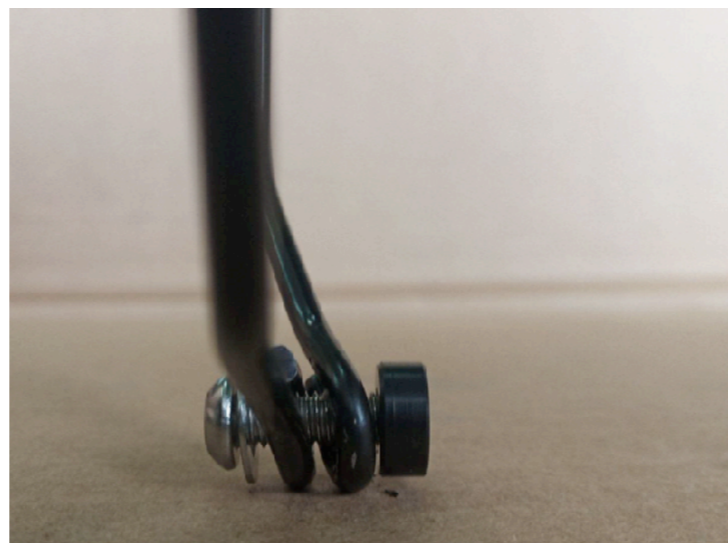
(Fig. 34) Application of the medium strength thread locker to the bolt.



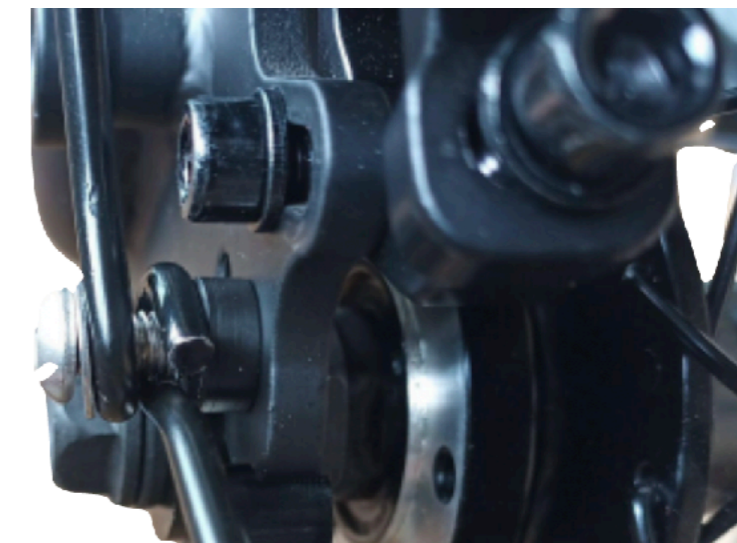
(Fig. 35) Mounting hole for the rear fender struts.

Insert the bolt through the looped end of the middle rear strut, rear strut and 5mm Nylon spacer before threading the bolt into the threaded hole located above the dropouts on the frame. (Fig. 36)

Tighten the bolt to **4Nm**. (Fig. 37)



(Fig. 36) Installation orientation:
M6x20mm button head bolt – M6 Washer – Rear Strut (Middle) – Rear Strut (Rear) – M6x5mm Nylon Spacer



(Fig. 37) Tighten the bolt to **4Nm**.

HARDWARE/ TOOL REQUIRED

Rear Fender Strut (Middle) (X1)
Rear Fender Strut. (Rear) (X1)
M6 X 20mm Button Head Bolt (X2)
M6 Washer (X2)
M6 X 5mm Nylon Spacer (X2)
4mm Hex Bit
Torque Wrench

The rear fender installation is complete.



(Fig. 38) Complete installation.

09. FRONT FENDER TUNING

FRONT FENDER

Take measurements of the front edge of the fender to the centreline of the tire. (Fig. 39)

Take a measurement of the rear edge of the fender to the centreline of the tire. (Fig. 40)

These measurements should be as equal as possible to within a tolerance of **2-3mm**. The optimal distance for the front fender from the tire should be **15-18mm**.

If the measurements are not equal, please follow the following steps to ensure that the fenders are installed safely.

The change in the bend angle of the strut will adjust the fender spacing from the tire.

Decreasing the bend angle will bring the rear of the fender closer to the tire and the front away from the tire. (Fig. 41)

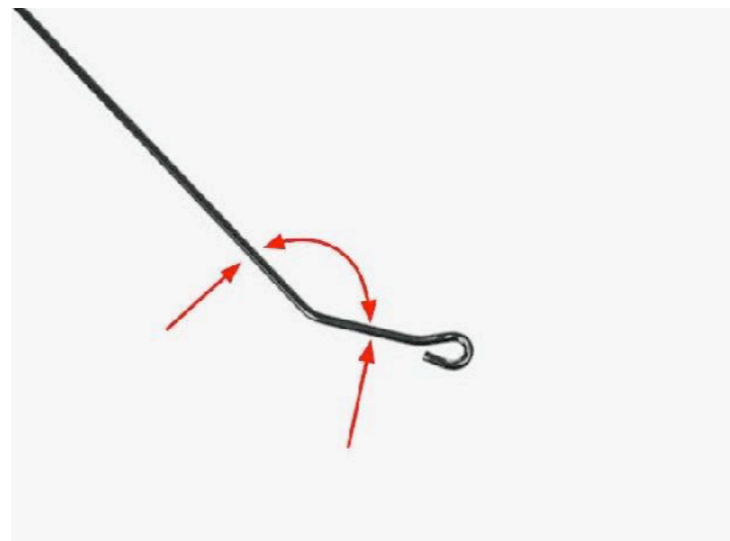
Whereas increasing the bend angle will bring the rear of the fender away from the tire and the front of the fender closer. (Fig. 42)



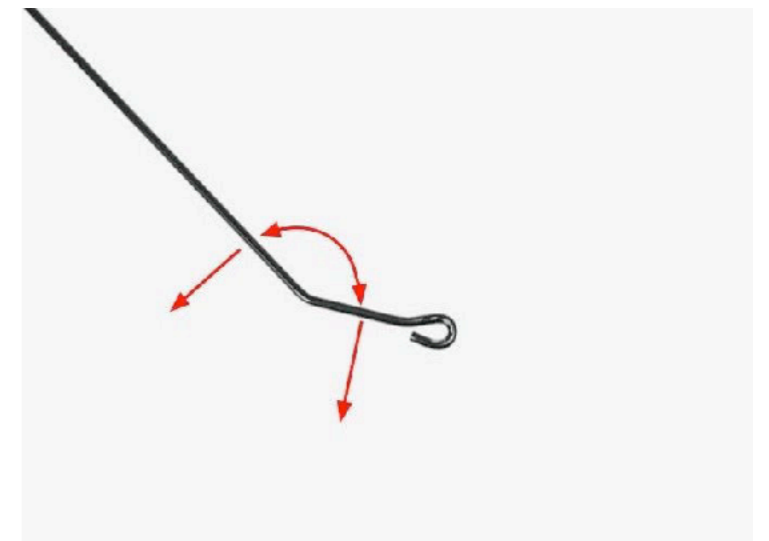
(Fig. 39) Measure the front edge of the fender to the centreline of the tire.



(Fig. 40) Measure the rear edge of the fender to the centreline of the tire.



(Fig. 41) Decrease the bend angle of the strut to bring the rear of the fender closer to the tire.



(Fig. 42) Increase the bend angle of the strut to bring the rear of the fender further away from the tire.

Remove the strut mounting bolts. (Fig 43)

Using one hand, brace the strut above the bend. With the free hand push the end of the strut to decrease the bend angle of the strut (Fig. 44) or pull it away to increase the bend angle.



(Fig. 43) Remove the strut mounting bolts.



(Fig. 44) Decreasing the bend angle of the strut.

NOTE

Ensure both sides of the strut are adjusted to the same angle. If the angles are inconsistent, the fenders will form an unnatural twist.

After the adjustments have been made and the struts have been bolted to the dropouts, use a ruler to take the measurement from the center of the tire to the bottom of the edge. (Fig. 41 & 42)

If the measurements are equal and between the **15mm to 18mm** range, the adjustment is complete.

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