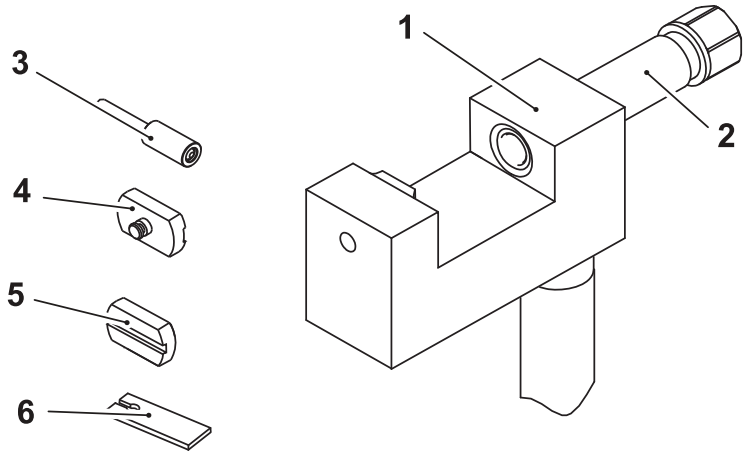
Drive Chain Replacement

⚠ WARNING

Before starting work, ensure the motorcycle is stabilised and adequately supported. This will help prevent it from falling and causing injury to the operator or damage to the motorcycle.

Rivet Link Type

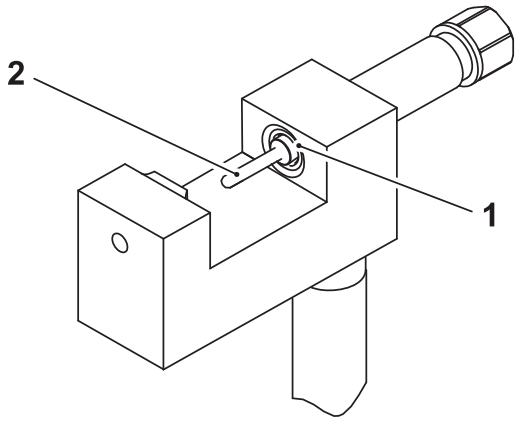
The following instructions for the replacement of rivet link type drive chains requires the use of T3880635 - Final Drive Chain Cut and Rivet.



T3880635 - Final Drive Chain Cut and Rivet

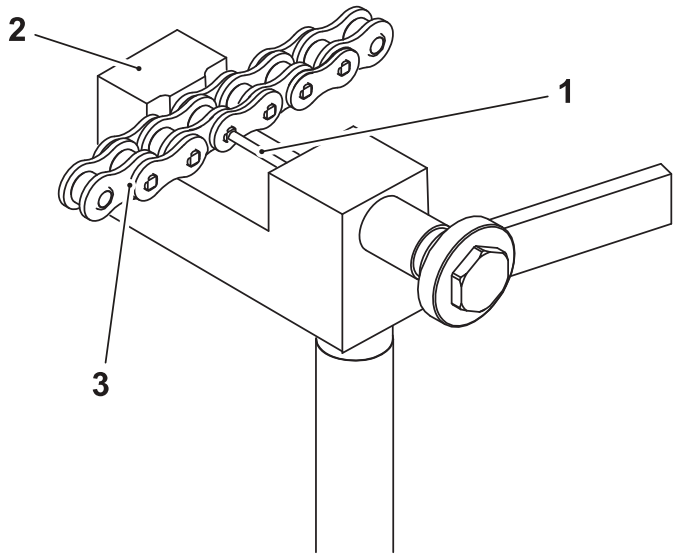
1. **Service tool body**
2. **Pin holder**
3. **Cut/rivet pin**
4. **Plate holder A**
5. **Plate holder B**
6. **Gauge**

1. Support the motorcycle on a stand so the rear wheel is clear of the ground.
2. Insert the cut/rivet pin into the pin holder so its smaller diameter end (cutting point) is facing away from the holder as shown.



1. **Pin holder**
2. **Cut/rivet pin**

3. If required, file the domed heads of the chain link pins flat.
4. Position T3880635 - Final Drive Chain Cut and Rivet so that the drive chain is between the cut/rivet pin and the service tool body with the pin to be remove aligned with the hole service tool body.
5. Turn the pin holder clockwise until its pin contacts the link pin. Ensure that the pin is centralised on the link pin to be removed.



1. **Guide plate holder**
2. **Service tool body**
3. **Drive chain**

6. Retain the tool body and rotate the pin holder clockwise until the link pin is pressed out from the chain.
7. Remove the tool and separate the two ends of the chain.

Note

- **The replacement chain is supplied in a split condition, complete with a link kit to join the two ends.**

⚠ CAUTION

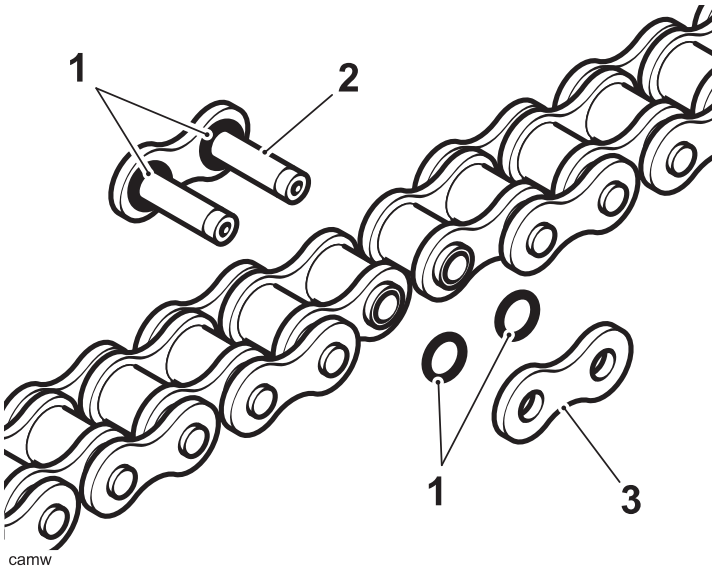
The component parts of the new link kit are coated with a special grease which must not be removed. Removal of this special grease will severely reduce the service life of the chain.

8. Use the old drive chain to pull the new chain into position as follows: Temporarily attach the end of the new chain to a free end of the old chain using the old connector link. Carefully pull the other end of the old chain to pull the new chain around the sprockets.

Note

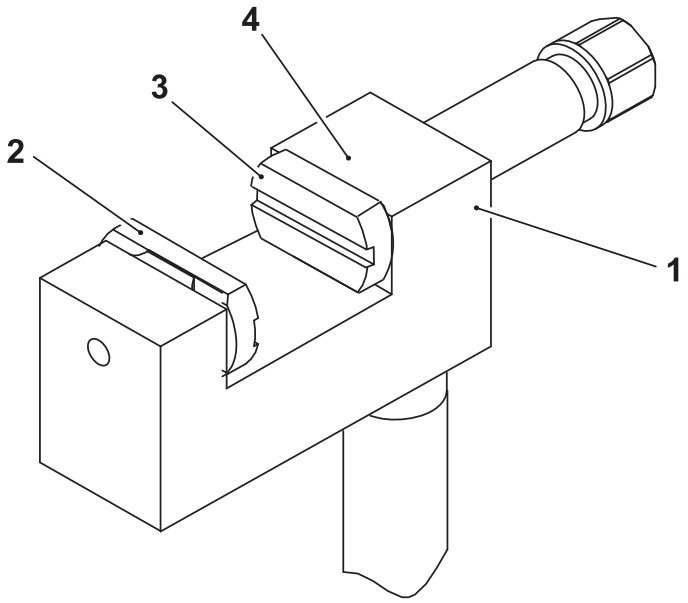
- **Do not use the new connector link as the special grease on it may be removed.**

9. Using the new link supplied with the chain kit, join the two ends of the chain. Ensure that the O-rings are positioned as shown below and the link plate is fitted with its markings facing outwards.



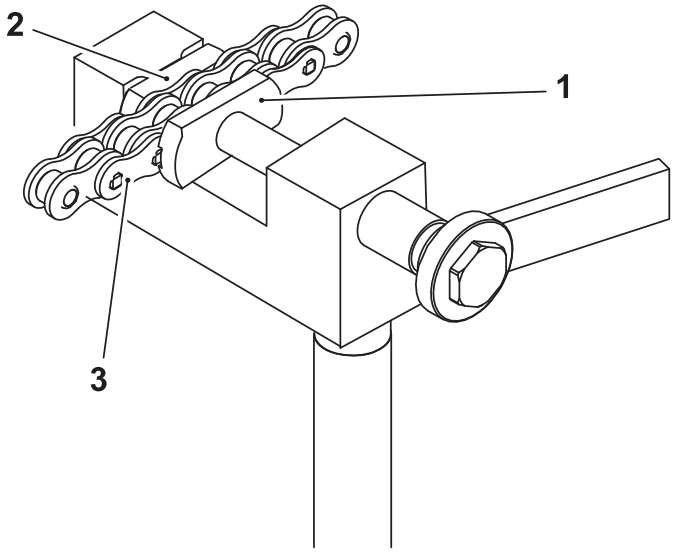
1. **O-rings**
2. **Link**
3. **Link plate**

10. Insert the cut/rivet pin into the pin holder so its larger diameter end (riveting point) is facing away from holder as shown.
11. Fit the guide plate A to the service tool as shown below.



1. **Cut/rivet pin**
2. **Guide plate B**
3. **Guide plate A**
4. **Service tool body**

12. Fit the new connecting link plate to the new link by hand or with a suitable pair of pliers.
13. Position T3880635 - Final Drive Chain Cut and Rivet so that the new connecting link plate of the drive chain is in contact with guide plate A.
14. Rotate the pin holder clockwise until the drive chain link makes contact with guide plate B.
15. Ensure the connecting link is correctly positioned and then continue to rotate the pin holder to press the connecting link fully on.



1. **Guide plate A**
2. **Guide plate B**

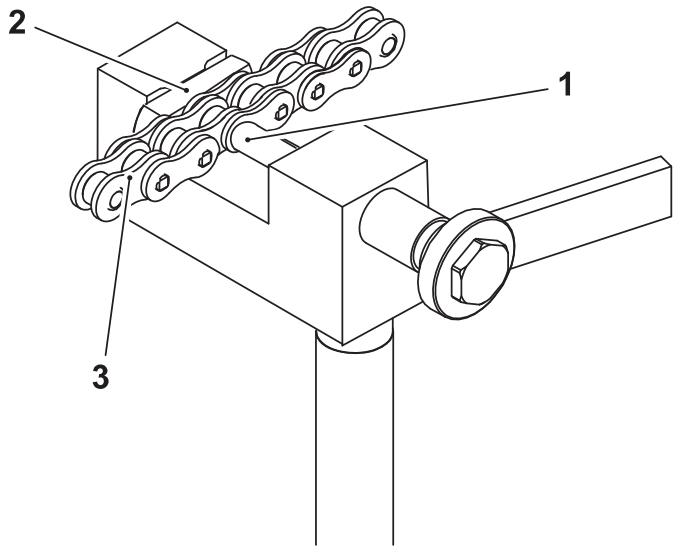
3. **Drive chain**

16. Rotate the pin holder counter clockwise and remove the Guide plate A and insert the cut/rivet pin into the pin holder so its larger diameter end (riveting point) is facing away from the holder.
17. Align one of the split link pins to the cut/rivet pin then turn the pin holder clockwise until the pin contacts the split link pin. Ensure the split link pin is centrally located on the cut/rivet pin.

Note

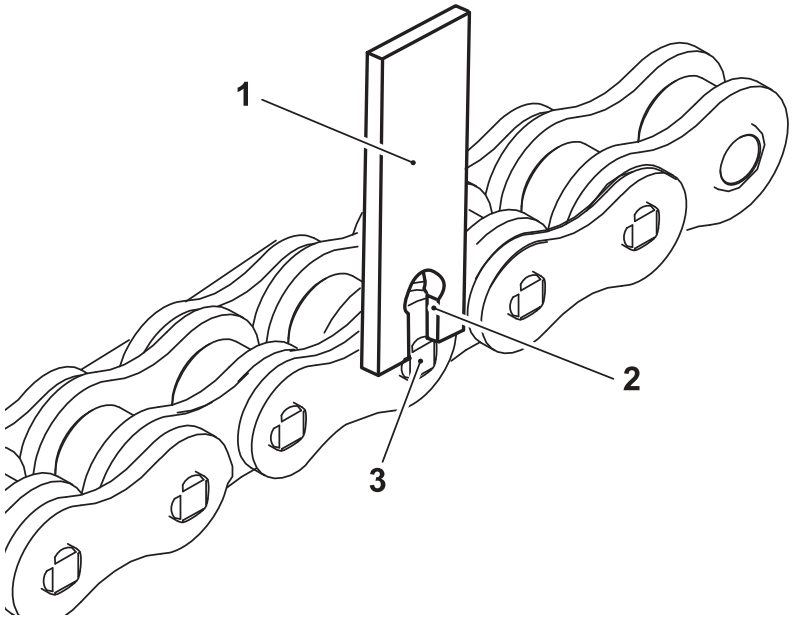
- **The riveting end of the cut/rivet pin is shaped to prevent over tightening. Over tightening may cause damage to the connecting link pin and the cut/rivet pin.**

18. Retain the tool body then tighten the pin holder until the split link end is riveted-over.



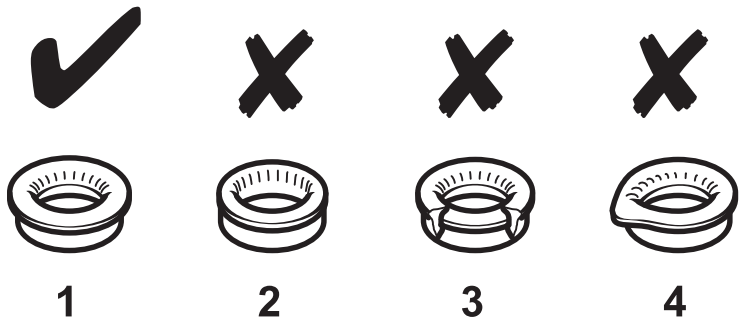
1. **Cut rivet pin**
2. **Guide plate B**
3. **Drive chain**

19. Back off the pin holder and rivet the remaining split link pin as described above.
20. Remove the tool from the chain and using the gauge from T3880635 - Final Drive Chain Cut and Rivet check that both the split link pins are correctly riveted. The rivet should not pass through the slot on the gauge.



1. **Gauge**
2. **Slot**
3. **Rivet**

21. Also check that both the split link pins are correctly riveted as shown below.



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1. **Correct riveting**
2. **Insufficient riveting**
3. **Excessive riveting**
4. **Riveting off-centre**

WARNING

If either split link pin is not correctly riveted, the split link must be removed and replaced with a new link. Never operate the motorcycle with an incorrectly riveted split link as the link could fail resulting in an unsafe riding condition leading to loss of motorcycle control and an accident.

Endless Type

WARNING

Before starting work, ensure the motorcycle is stabilised and adequately supported. This will help prevent it from falling and causing injury to the operator or damage to the motorcycle.

- Remove the swinging arm (see Swinging Arm - Removal

1. Free the chain from the front sprocket and remove it from the motorcycle.
2. Locate the new chain on the front sprocket.

- Refit the swinging arm (see Swinging Arm - Installation).