



RSV4 2021< Installation instructions

1. Remove rear wheel, axle blocks and adjustment pins from swing arm
 2. Disconnect traction sensor, rear brake line, and remove rear calliper and calliper bracket
 3. Fit Lightech Chain adjusters using the fittings and instructions provided in the Lightech box, (Note - the captive nut assembly fits to the exhaust side)
 4. Fit the wheel rest plate by drilling and tapping the swingarm. The plate should be positioned so that the sprocket side spacers sit so that the edge of the hole is inline or just below the swing arm opening. The plate can be adjusted slightly if needed on the slots (see fig 1)
 5. Slide the calliper plate on to the captive nut attachment and fix into place using the grub screws (Note – take care not to overtighten)
 6. Connect the calliper using the 2 M8 drilled head pins provided
 7. Connect new brake line and bleed all air out (note – it helps to remove the calliper and turn it upside down to remove all air) **Do not overfill reservoir**
 8. The traction sensor cable can be clipped back in position by opening the hole of the standard clip and fitting as per fig 2
 9. Swap the standard traction ring for the new one in the kit.
 10. Fit new captive spacers, (small lip goes inside the bearing seal)
 11. Insert rear wheel onto the resting plate and calliper plate
- (It may be necessary to remove the excess thread from the sprocket studs to create clearance - see fig 1)
12. Insert spindle but do not fully tighten up (**Note – this is a left-hand thread – Anti clockwise to tighten**)
- Note, due to the Aprilia swingarm opening slightly when the spindle is removed, it may be necessary to apply a little pressure to start the spindle on the thread.
13. Adjust the Lightech chain adjusters to tension the chain
 14. Tighten up rear spindle – Torque to 110Nm
 15. Practise removing and inserting the wheel.
 16. Laugh at your mates still struggling with their rear wheels
 17. Ride safe

Maintenance – Your spindle comes pre-greased ready for use. It is important that the spindle and threads are kept clean and always greased, as debris inside the captive nut could cause damage to the spindle.

Please Note:

These products are designed to be fitted with basic tools, but some items will require drilling and tapping of the swing arm, plus the bleeding of your rear brake calliper. Therefore, we recommend fitting to be done by trained professionals.



Packing List

Items	Packed
Ligtech adjusters with Captive Nut fitted	
L74 Calliper Plate – with Calliper (if required, grub screws and traction fixing fitted	
L74 Spindle with Pull cup fitted	
L74 Wheel rest plate pack with fixings	
640mm Brake line pack with Banjo, washers, fixings, and bleeding instructions	
Traction ring	
1 Pair of Captive Spacers	



Fig 1



Fig 2



FIG 3

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Fig 2



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L74 Wheel rest plate pack with fixings	
640mm Brake line pack with Banjo, washers, fixings, and bleeding instructions	
Traction ring	
1 Pair of Captive Spacers	



Fig 1



Fig 2



FIG 3

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 6. Connect the calliper using the 2 M8 drilled head pins provided
 7. Connect new brake line and bleed all air out (note – it helps to remove the calliper and turn it upside down to remove all air) **Do not overfill reservoir**
 8. The traction sensor cable can be clipped back in position by opening the hole of the standard clip and fitting as per fig 2
 9. Swap the standard traction ring for the new one in the kit.
 10. Fit new captive spacers, (small lip goes inside the bearing seal)
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12. Insert spindle but do not fully tighten up (**Note – this is a left-hand thread – Anti clockwise to tighten**)
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13. Adjust the Lightech chain adjusters to tension the chain
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L74 Spindle with Pull cup fitted	
L74 Wheel rest plate pack with fixings	
640mm Brake line pack with Banjo, washers, fixings, and bleeding instructions	
Traction ring	
1 Pair of Captive Spacers	



Fig 1



Fig 2



FIG 3

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RSV4 2021< Installation instructions

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 5. Slide the calliper plate on to the captive nut attachment and fix into place using the grub screws (Note – take care not to overtighten)
 6. Connect the calliper using the 2 M8 drilled head pins provided
 7. Connect new brake line and bleed all air out (note – it helps to remove the calliper and turn it upside down to remove all air) **Do not overfill reservoir**
 8. The traction sensor cable can be clipped back in position by opening the hole of the standard clip and fitting as per fig 2
 9. Swap the standard traction ring for the new one in the kit.
 10. Fit new captive spacers, (small lip goes inside the bearing seal)
 11. Insert rear wheel onto the resting plate and calliper plate
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12. Insert spindle but do not fully tighten up (**Note – this is a left-hand thread – Anti clockwise to tighten**)
- Note, due to the Aprilia swingarm opening slightly when the spindle is removed, it may be necessary to apply a little pressure to start the spindle on the thread.
13. Adjust the Lightech chain adjusters to tension the chain
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Fig 2



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Fig 2



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Fig 2



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12. Insert spindle but do not fully tighten up (**Note – this is a left-hand thread – Anti clockwise to tighten**)
- Note, due to the Aprilia swingarm opening slightly when the spindle is removed, it may be necessary to apply a little pressure to start the spindle on the thread.
13. Adjust the Lightech chain adjusters to tension the chain
 14. Tighten up rear spindle – Torque to 110Nm
 15. Practise removing and inserting the wheel.
 16. Laugh at your mates still struggling with their rear wheels
 17. Ride safe

Maintenance – Your spindle comes pre-greased ready for use. It is important that the spindle and threads are kept clean and always greased, as debris inside the captive nut could cause damage to the spindle.

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L74 Spindle with Pull cup fitted	
L74 Wheel rest plate pack with fixings	
640mm Brake line pack with Banjo, washers, fixings, and bleeding instructions	
Traction ring	
1 Pair of Captive Spacers	



Fig 1



Fig 2



FIG 3

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RSV4 2021< Installation instructions

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 6. Connect the calliper using the 2 M8 drilled head pins provided
 7. Connect new brake line and bleed all air out (note – it helps to remove the calliper and turn it upside down to remove all air) **Do not overfill reservoir**
 8. The traction sensor cable can be clipped back in position by opening the hole of the standard clip and fitting as per fig 2
 9. Swap the standard traction ring for the new one in the kit.
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Fig 1



Fig 2



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Fig 1



Fig 2



FIG 3

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Fig 1



Fig 2



FIG 3

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Fig 1



Fig 2



FIG 3

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Fig 1



Fig 2



FIG 3

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Fig 1



Fig 2



FIG 3

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 7. Connect new brake line and bleed all air out (note – it helps to remove the calliper and turn it upside down to remove all air) **Do not overfill reservoir**
 8. The traction sensor cable can be clipped back in position by opening the hole of the standard clip and fitting as per fig 2
 9. Swap the standard traction ring for the new one in the kit.
 10. Fit new captive spacers, (small lip goes inside the bearing seal)
 11. Insert rear wheel onto the resting plate and calliper plate
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13. Adjust the Lightech chain adjusters to tension the chain
 14. Tighten up rear spindle – Torque to 110Nm
 15. Practise removing and inserting the wheel.
 16. Laugh at your mates still struggling with their rear wheels
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L74 Spindle with Pull cup fitted	
L74 Wheel rest plate pack with fixings	
640mm Brake line pack with Banjo, washers, fixings, and bleeding instructions	
Traction ring	
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Fig 1



Fig 2



FIG 3

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RSV4 2021< Installation instructions

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Fig 2



FIG 3

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Fig 2



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Fig 2



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