



CR259 – Replacement of the ABS Unit to Rear Brake Caliper Hose

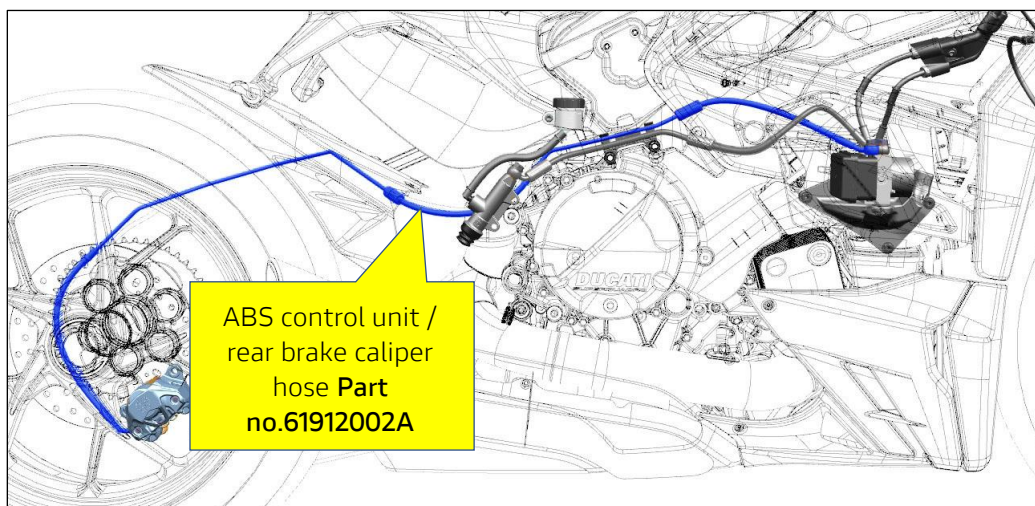
Streetfighter V2 Model Year 2023-2024 (all model versions)

Technical Service Bulletin SRV-TSB-23-012

Date: November 28, 2023
To: Dealer Principal, General Manager, Service Manager, North American Dealer Network
From: Richard Kenton, Technical Director
Dan Schwartz, Service Area Manager

Dear Dealers,

This bulletin is to inform you that, following reports of a slight elongation of the rear brake lever stroke over time and as a consequence of use, a new rear brake hose (ABS control unit to rear brake caliper - blue) is now available for the model concerned in order to prevent this condition.



We remind you that the rear brake lines must be installed on vehicles if Clients complain about a slight elongation of the rear brake pedal travel over time and with use.

Always remind Clients that correct brake operation must always be checked before each use of the motorcycle, as indicated in the Use and Maintenance Manual, and that it is essential to have the braking systems maintained as prescribed in the maintenance schedule, changing the brake fluid every 24 months.

Moreover, we inform you that this upgrade is NOT mandatory, but optional since it has to be performed only if the Client reports such condition.



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Application

This update is **NOT** listed in the **DCS VIN HISTORY**

We inform you that this upgrade is NOT mandatory, but optional since it must be performed only if the Client reports such symptom/condition.

If a Client complains about a slight elongation of the rear brake pedal travel over time and with use, it is necessary to order the replacement parts.

Client Impact

Clients will **NOT** be notified by dedicated communication.

Involved vehicles must be fitted with the updated rear brake hoses **ONLY** if the above-described operating concern is detected.



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Spare parts

The spare parts required for this update are:

- ABS control unit / rear brake caliper hose Part no. 61912002A
- Copper washers part no. 85250241A (10pcs)
- Small and Big self-locking ties.

The required DOT4 brake fluid and self-locking ties (small and large) are easy to find consumables and should be sourced locally.

Parts Distribution

The above listed components required to carry out the upgrade under this Workshop Campaign must be ordered for each affected frame number.

The ties and DOT4 fluid to be used are easy to find consumables, it is not necessary to fill in any special spare part orders.

Warranty Reimbursement Rules

Rear brake hose installation reimbursement will be issued through the standard warranty claim procedure via the DCS.

We remind you that this update is NOT listed in the DCS VEHICLE HISTORY, but a NEW WARRANTY CLAIM must be filled. See procedure illustrated below.

The warranty claim is pre-filled and is identified as **CR259**.

The Dealer shall be reimbursed for the parts listed for the operation; copper washers (10) part no. 85250241A, ABS control unit/rear brake caliper hose Part no. 61912002A, the consumable ties and DOT 4 brake fluid; and labor for [REDACTED] that includes the time necessary for:

- Vehicle reception
- Rear brake hose removal
- Installation of new rear brake hose
- Filling and bleeding procedure of the rear brake system
- Soft cleaning of the vehicle
- Compensation for the cost of self-locking ties and DOT4 fluid used to fill the rear brake system.



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When creating the WCRC type claim, please fill in the following fields:

1. VIN number: **ZDMXXXXXXXXXXXXXX**
2. Claim Type: **WCRC - WARRANTY CLAIM RECALL CAMPAIGN**
3. Recall Campaign: **CR259 – SRV-TSB-23-012 REAR BRAKE HOSE REPLACEMENT**

Service Solution



WARNING

The replacement procedure of the rear brake hose described in the document is not particularly difficult, however, for the operation to be completed successfully and to comply with the set time, it is necessary to thoroughly follow the sequence of the indicated operations.

We recommend taking your time to fully understand the procedure before attempting its implementation on the motorcycle (you may print the document in color for a better understanding).

We also remind you that the work environment where you carry out the procedure and the tools and equipment used (wrenches and gloves) must be clean.



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NOTE

We hereby inform you that this operation is carried out exclusively on the primary circuit of the rear brake system for which it is sufficient to perform the traditional bleeding procedure; NO specific bleeding procedure is hence required for the secondary circuit (circuit inside the ABS control unit).

Part 1: Vehicle Preparation

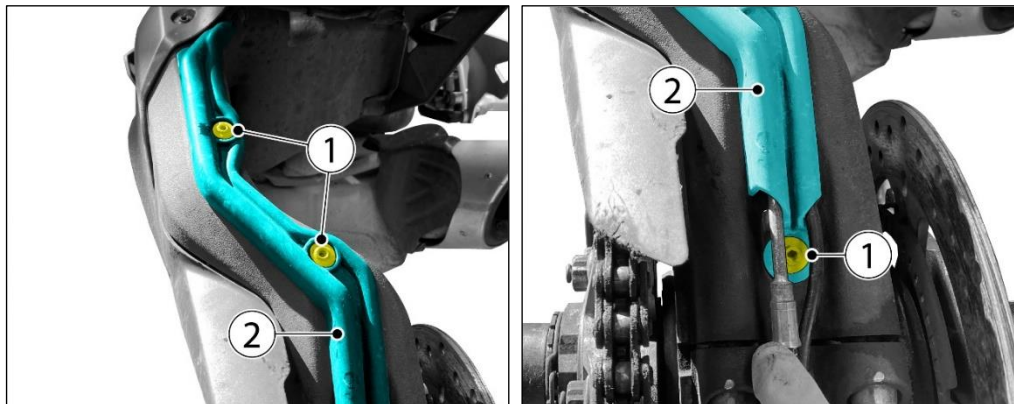
1. Position the motorcycle on the rear paddock stand.
2. Remove the rear wheel (see Sec. 07: "Chassis - Rear wheel").
3. Drain all the brake fluid contained inside the rear brake system (see Sect. 04 - Maintenance operation - Changing the rear brake circuit fluid).



WARNING

Brake fluid may damage the paint or parts of the motorcycle. Wash the affected area with plenty of water in case of accidental contact. Damage due to brake fluid spillage is not a warrantable defect and is the responsibility of the repairing dealer to correct.

4. Remove the upper RH fairing (see Sec. 05: "Fairing installation - Fairing" of the Workshop Manual).
5. Loosen the **3 special screws M5x10.5 (1)** securing the **hose guide (2)** on the swing arm.

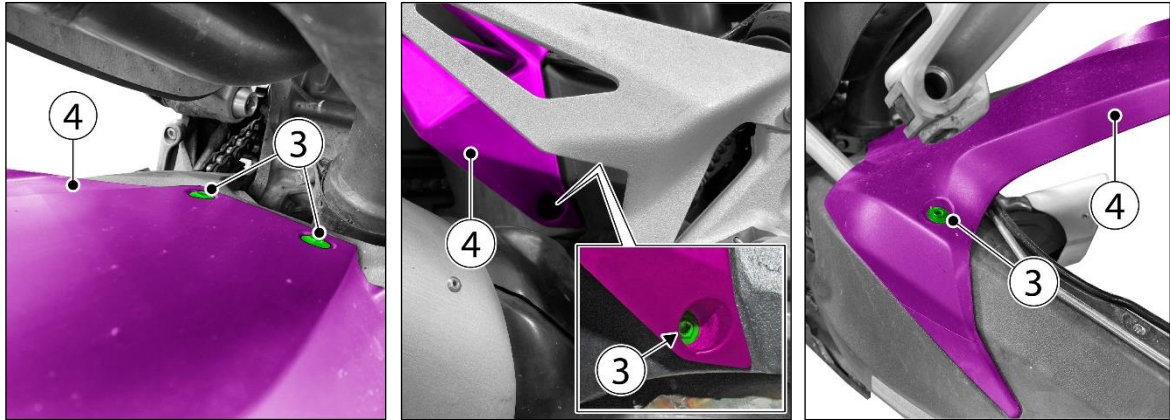




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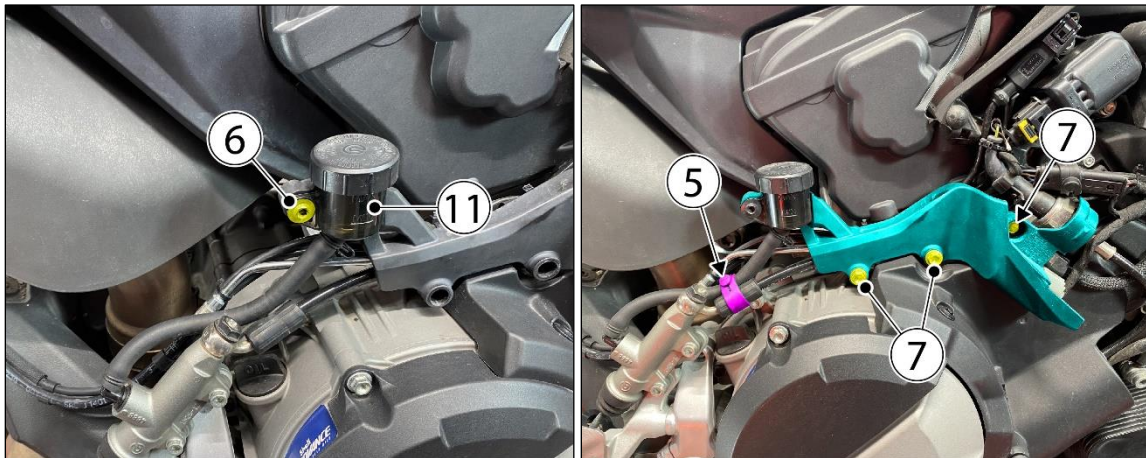
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- Loosen the 4 special screws M5x9 (3) and remove the rear mudguard (4).



- Loosen the screw M6x14 (6) and move the rear brake fluid reservoir (11) away from the hose grommet (10).

Loosen the 3 special nuts M5x11 (7) and remove the button tie (5).





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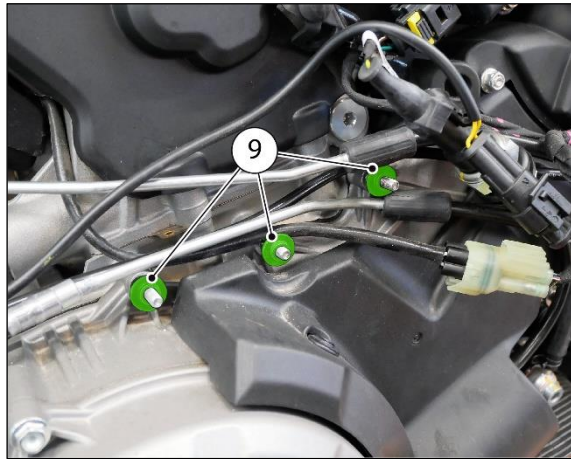
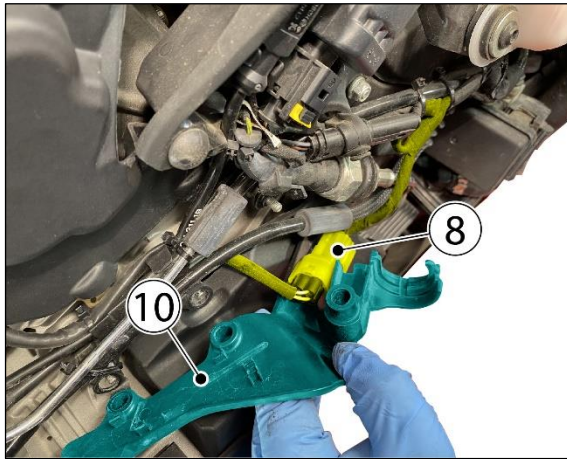
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8. Slide out the lambda sensor connector (8) and remove the hose grommet (10).

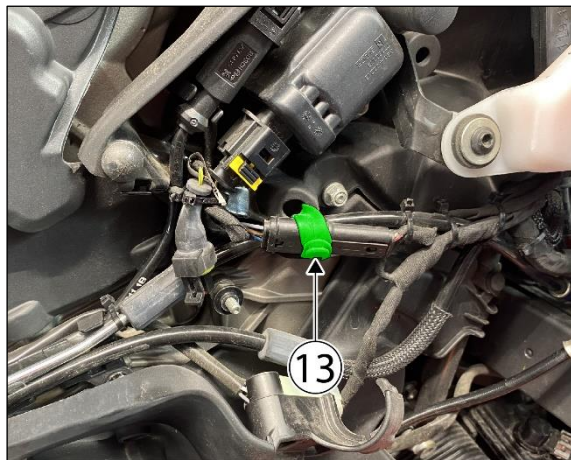
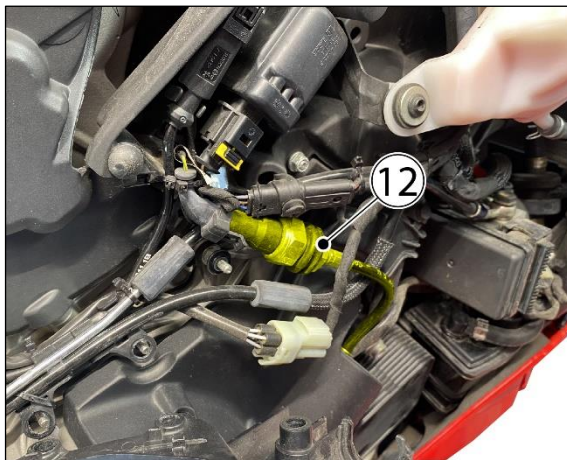


NOTE

Recover the 3 washers (9).



9. Disconnect the pressure switch (12) and remove the button tie (13).

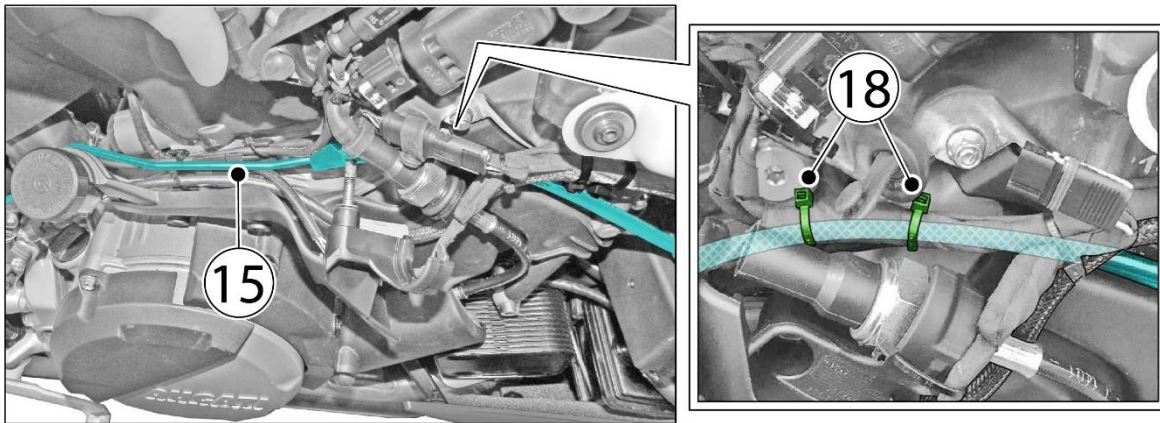




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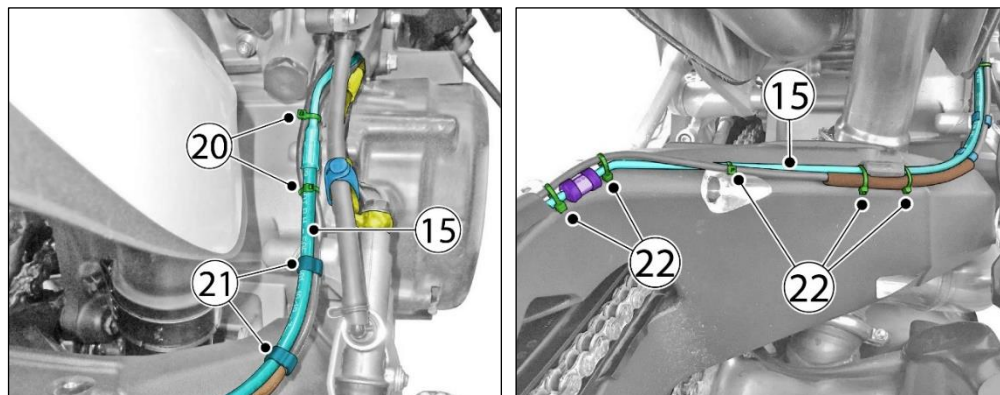
10. Remove the 2 small self-locking ties (18) that tie the ABS control unit / rear brake caliper hose (15) to:
- main wiring RH rear upper branch
 - secondary air actuator wiring branch



11. Remove the 2 small self-locking ties (20) that tie the ABS control unit / rear brake caliper hose (15) to:
- the rear speed sensor cable
 - the rear stop sensor cable

Remove the 2 fast points (21) that fix the ABS control unit/rear brake caliper hose (15) to the rear speed sensor cable.

12. Remove the 5 small self-locking ties (22) that tie the ABS control unit / rear brake caliper hose (15) to the rear speed sensor cable.

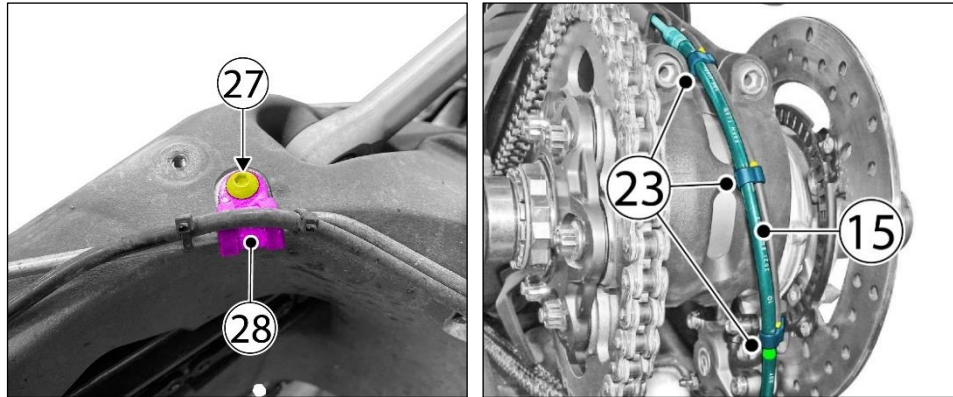




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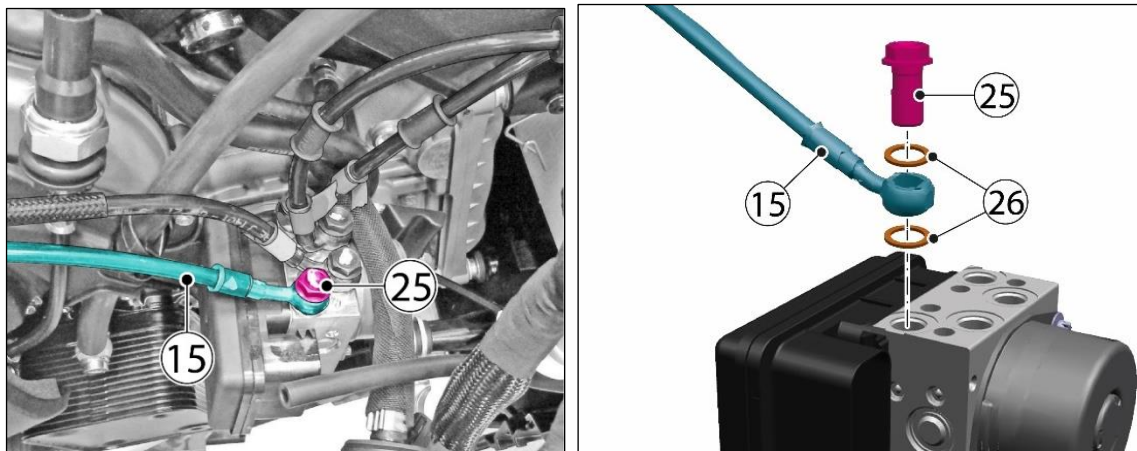
13. Loosen the **M6x16 screw (27)** and release the rear brake hose from the **hose guide (28)**.
14. Remove the **3 fast points (23)** that fix the **ABS control unit/rear brake caliper hose (15)** to the rear speed sensor cable.



Part 2: Rear Brake Hose Removal

Brake hose connecting the ABS control unit to the rear brake caliper

1. Loosen the **M10x1 special screw (25)** and remove the **2 copper washers (26)**.



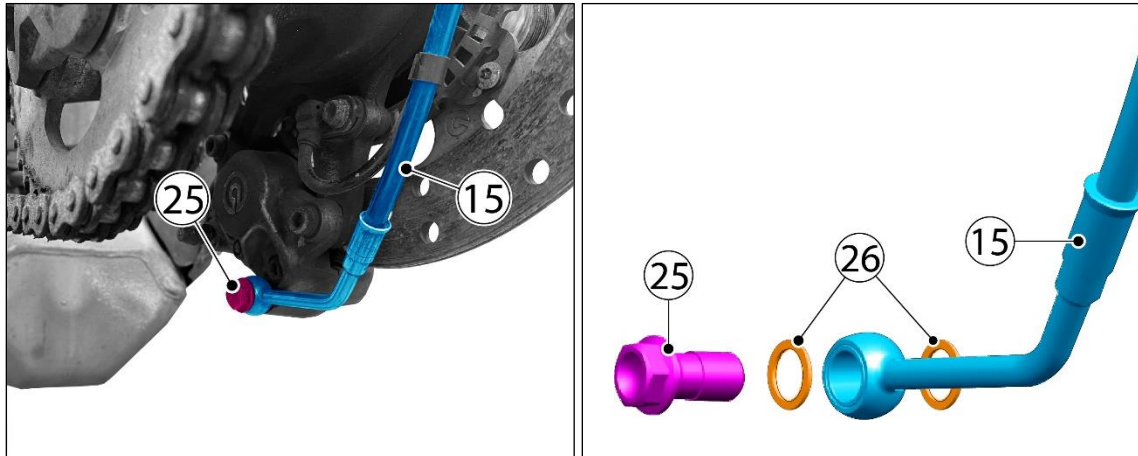


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2. Loosen the **M10x1 special screw (25)** and remove the **2 copper washers (26)**.



3. Loosen Slide out the brake hose (21) connecting the ABS control unit to the rear brake caliper.

Part 3: New Rear Brake Hose Installation



NOTE

The new brake hose can be recognized by the different chamfering that characterizes the end part of the fittings





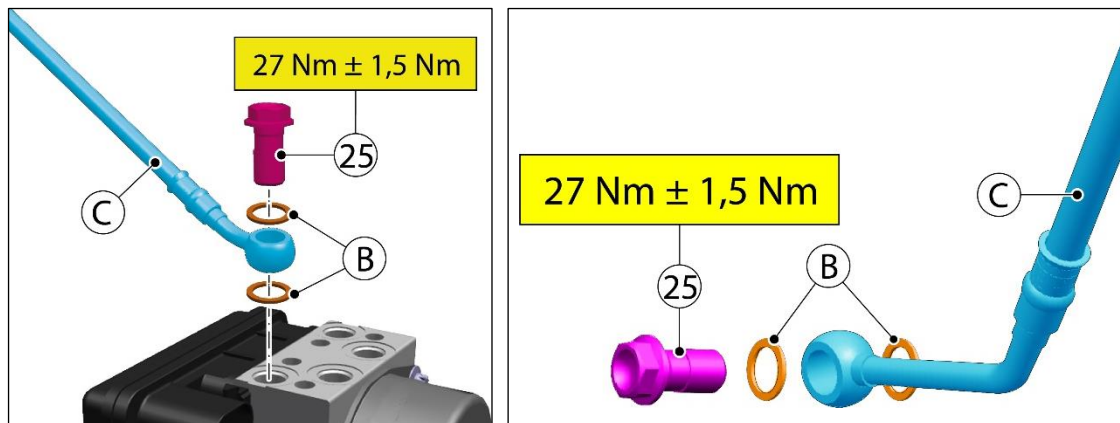
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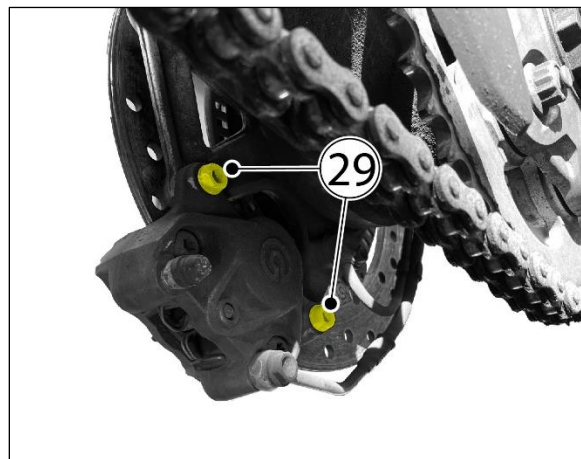
Brake hose connecting the ABS control unit to the rear brake caliper

1. Position the brake hose (C) connecting the ABS control unit to the rear brake caliper.
2. Fasten the ABS control unit union to the ABS control unit while installing **2 new copper washers (B)** and tighten the **special screw M10x1 (25)** to a tightening torque of **27 Nm ± 1.5 Nm**.
3. Fasten the rear brake caliper union using **2 new copper washers (B)** and tighten the **special screw M10x1 (25)** to a tightening torque of **27 Nm ± 1.5 Nm**.



Part 4: Rear Brake System Filling and Bleeding

1. Loosen the **2 screws M8x20 (29)** and remove the rear brake caliper.





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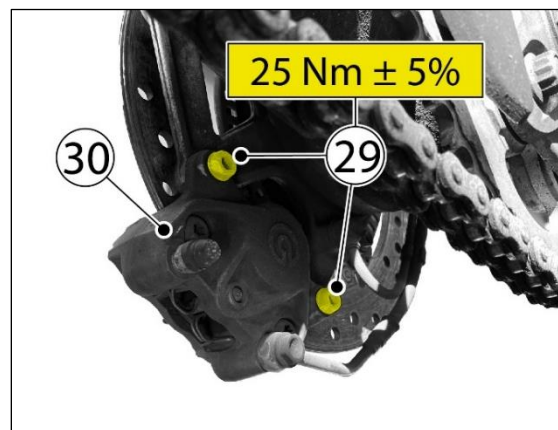
2. Proceed with the DOT4 fluid filling inside the rear brake system and bleed the system following the procedure indicated in the bulletin SRV-TTB-17-002.



WARNING

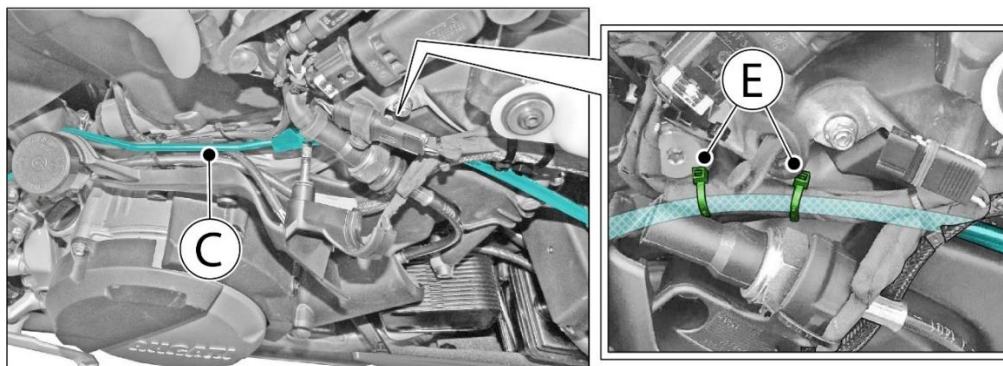
Remember that the brake fluid can damage the paint or parts of the motorcycle.
Wash the affected area with plenty of water in case of accidental contact.

3. Secure the **rear brake caliper (30)** on its support plate and tighten the **2 screws M8x20 (29)** to a tightening torque of **$25\text{Nm} \pm 5\%$** (with certification) using GADUS S2 V220 AD 2 grease.



Part 5: Vehicle Refitting

1. Use the **2 small self-locking ties (E)** to tie the **ABS control unit / rear brake caliper hose (C)** to:
 - main wiring RH rear upper branch
 - secondary air actuator wiring branch

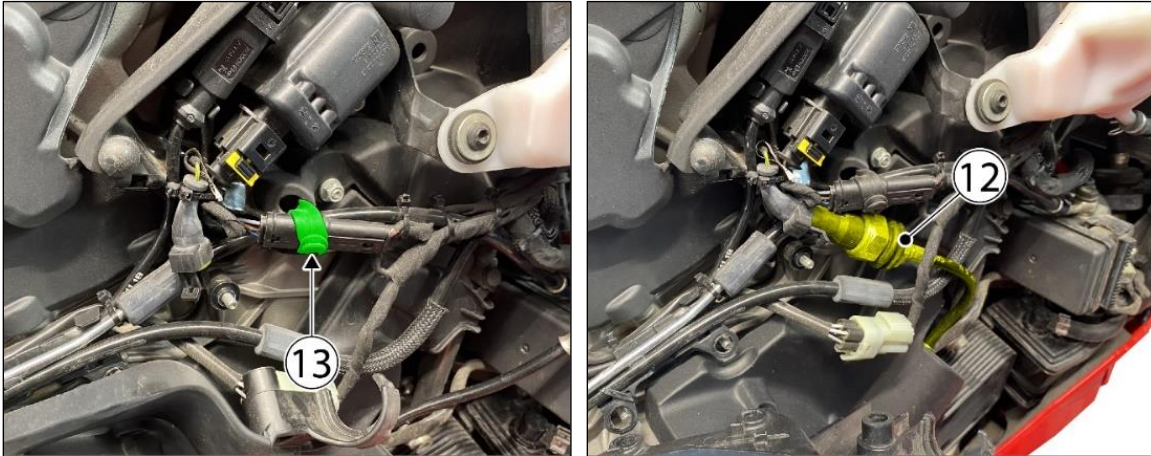




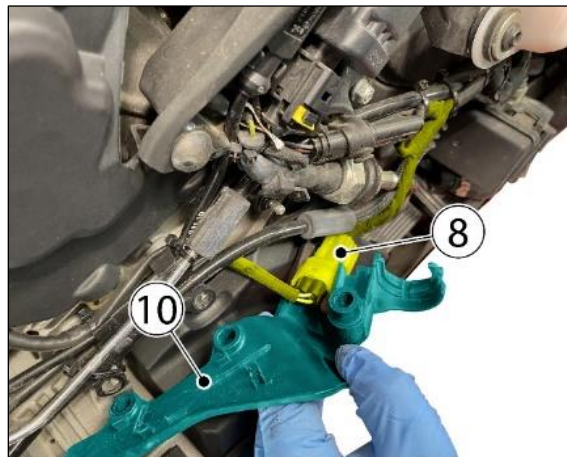
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2. Secure the rear stop cable connector with a **button tie (13)** and connect the **pressure switch (12)**.



3. Insert the **lambda sensor connector (8)** in the **hose grommet (10)**.



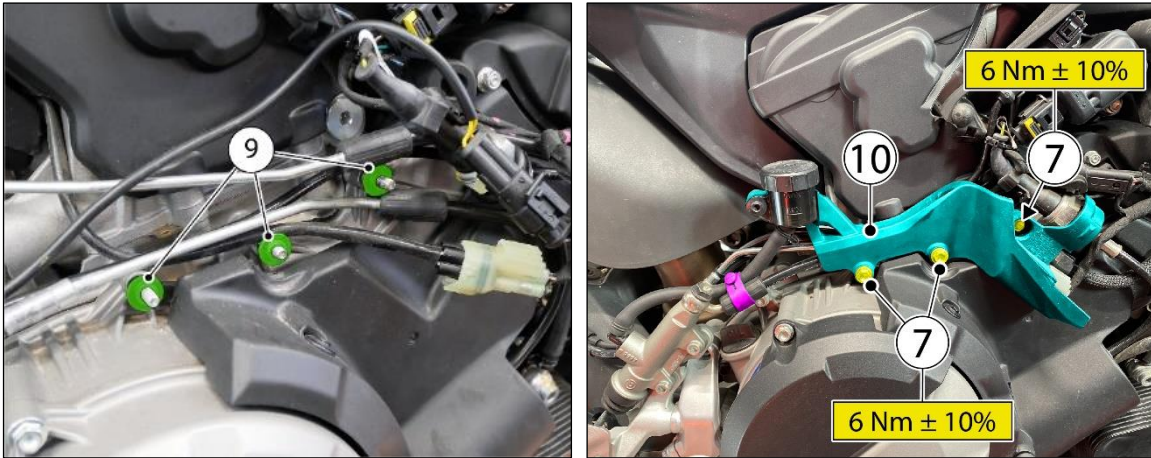


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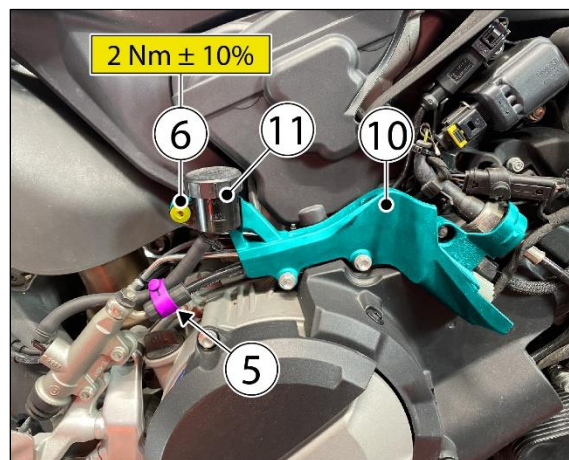
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4. Install the **3 washers (9)** and the **hose grommet (10)** and secure it with the **3 special nuts M5x11 (7)**, tightening them to a torque of **6 Nm ± 10%**.



5. Position the rear brake fluid **reservoir (11)** on the **hose grommet (10)** along with the **button tie (5)** around the hoses and tighten the **M6x14 screw (6)** to a torque of **2 Nm ± 10%**.





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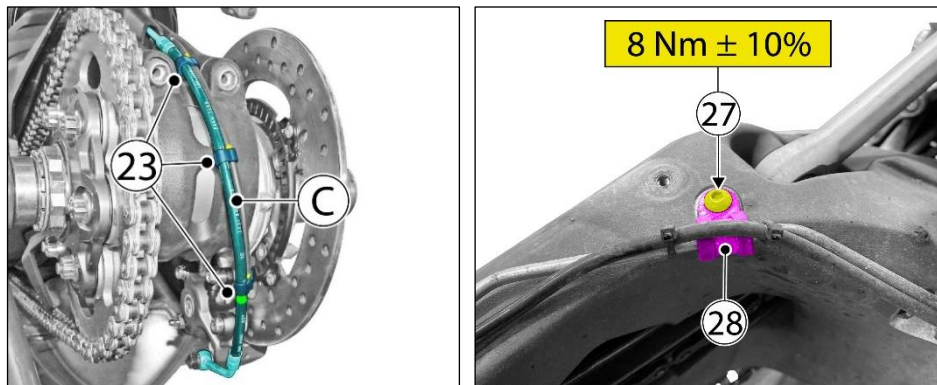


WARNING

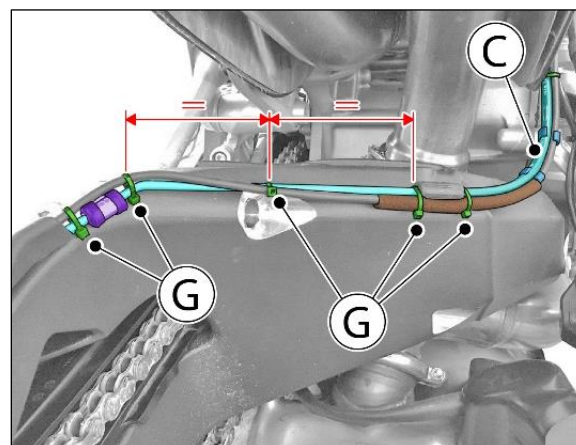
When repositioning the rear brake hose, pay special attention to the fastenings for the rear speed sensor wiring along the swing arm.

6. Join the **ABS control unit/rear brake caliper hose (C)** with the rear speed sensor cable using **3 fast points (23)**.

Slide the **ABS control unit/rear brake caliper hose (C)** inside the **hose grommet (28)** and tighten the **M6x16 screw (27)** to a torque of **8 Nm ± 10 Nm**.



7. Join the **ABS control unit/rear brake caliper hose (C)** with the rear speed sensor cable using **5 small self-locking ties (G)** and position them as shown in the figure.





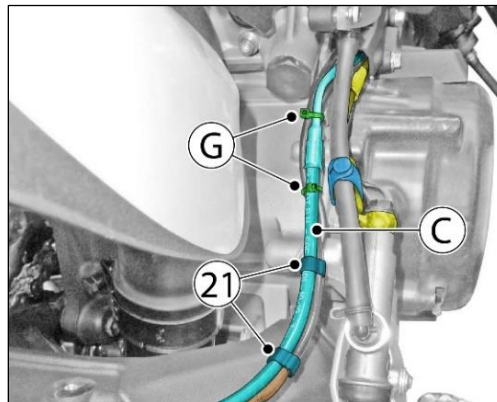
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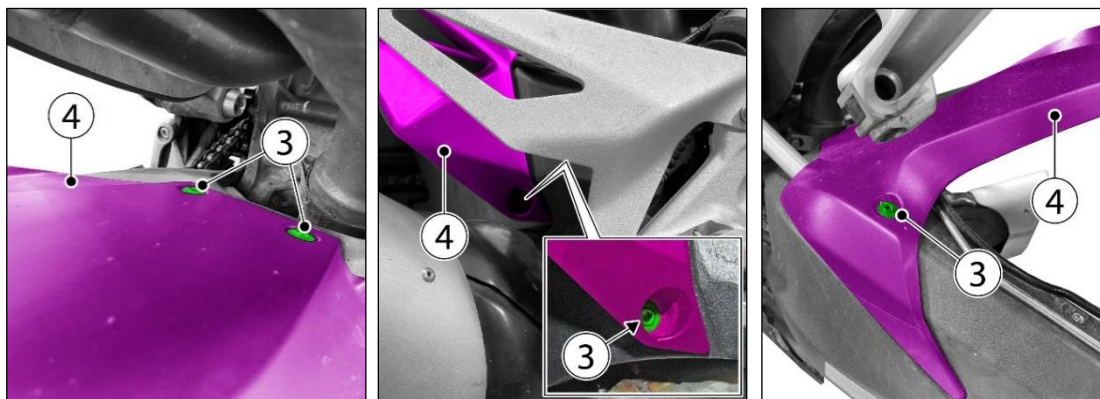
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8. Use the **2 small self-locking ties (G)** to tie the **ABS control unit / rear brake caliper hose (C)** to:
- the rear speed sensor cable
 - the rear stop sensor cable

Use the **2 fast points (21)** to fix the **ABS control unit/rear brake caliper hose (C)** to the rear speed sensor cable.



9. Position the **rear mudguard (4)** and tighten the **4 M5x9 special screws (3)** to a torque of **5 Nm ± 10%**.

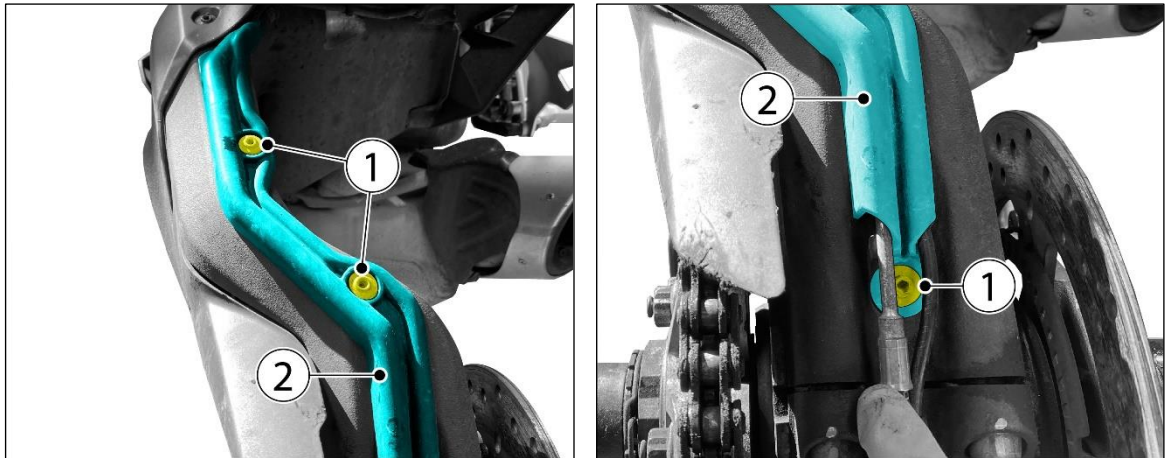




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10. Position the hose guide (2) on the swing arm and tighten the 3 M5x10.5 special screws (1) to a torque of 3.5 Nm ± 10%.



11. Refit the rear wheel (see Sec. 07: "Chassis - Rear wheel").
12. Fit the upper RH fairing (see Sec. 05: "Fairing installation - Fairing" of the Workshop Manual).



WARNING

Make sure that the **ABS control unit / rear brake caliper hose (C)** and the rear speed sensor cable will insert inside the mudguard in the position indicated by the blue arrow.





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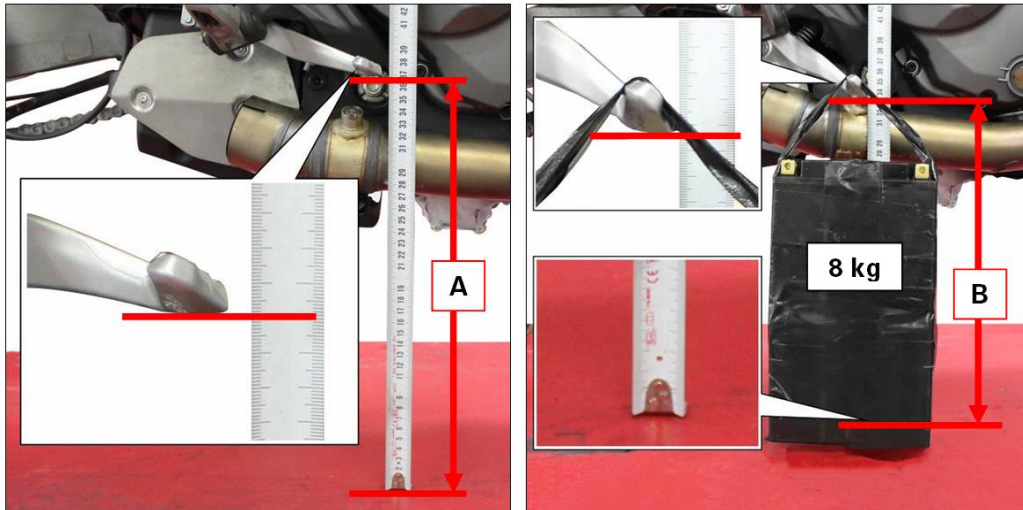
Part 6: Rear Brake Pedal Travel Check



NOTE

The figures shown for the following procedure are for illustration purposes only.

1. Measure height **(A1)** between rear brake lever lower end and load-bearing surface; brake lever must be in rest position (upper limit stop).
2. Slowly position the 8 kg weight onto rear brake lever; then measure height **(B1)** between rear brake lever lower end and load-bearing surface.



3. Note the difference between the measured heights **(A1)** and **(B1)**.

$$\text{Rear brake lever stroke 1} = (A1) - (B1)$$

4. Test ride the vehicle on the road at a speed of about 30 MPH (50 Km/h) and, by operating only the rear brake, brake until the **ABS is engaged at least 10 times.**
5. Measure again the rear brake lever stroke as referred to under section (1) and (2).



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WARNING

The measurement of the rear brake lever stroke required must be taken with the same temperature conditions as the previous measurement. Therefore, if the measurement was taken with cold engine, it will be necessary to wait for 2 hours before proceeding.

6. Note the difference between the measured heights **(A2)** and **(B2)**.

$$\text{Rear brake lever stroke 2} = (\text{A2}) - (\text{B2})$$

7. Compare the 2 stroke values of the rear brake lever.
 - If a stroke increase of the rear brake lever is detected, repeat the whole bleed procedure.
 - Once the new bleeding procedure is completed, check that the stroke of the rear brake lever has not increased.
8. Remove the motorcycle from the rear paddock stand.
9. Perform a soft cleaning of the motorcycle before delivering it to the Client.

For questions on this Workshop Campaign,
please contact your Service Area Manager.