



CR222 – Rear Brake Hoses Check and Replace if Required

Monster 821 MY 2015–2017 (all versions)

Monster 1200 S/STD MY 2014–2016 (all versions)

Monster 1200 R MY 2016–2019 (all versions)

Technical Service Bulletin SRV-TSB-21-010

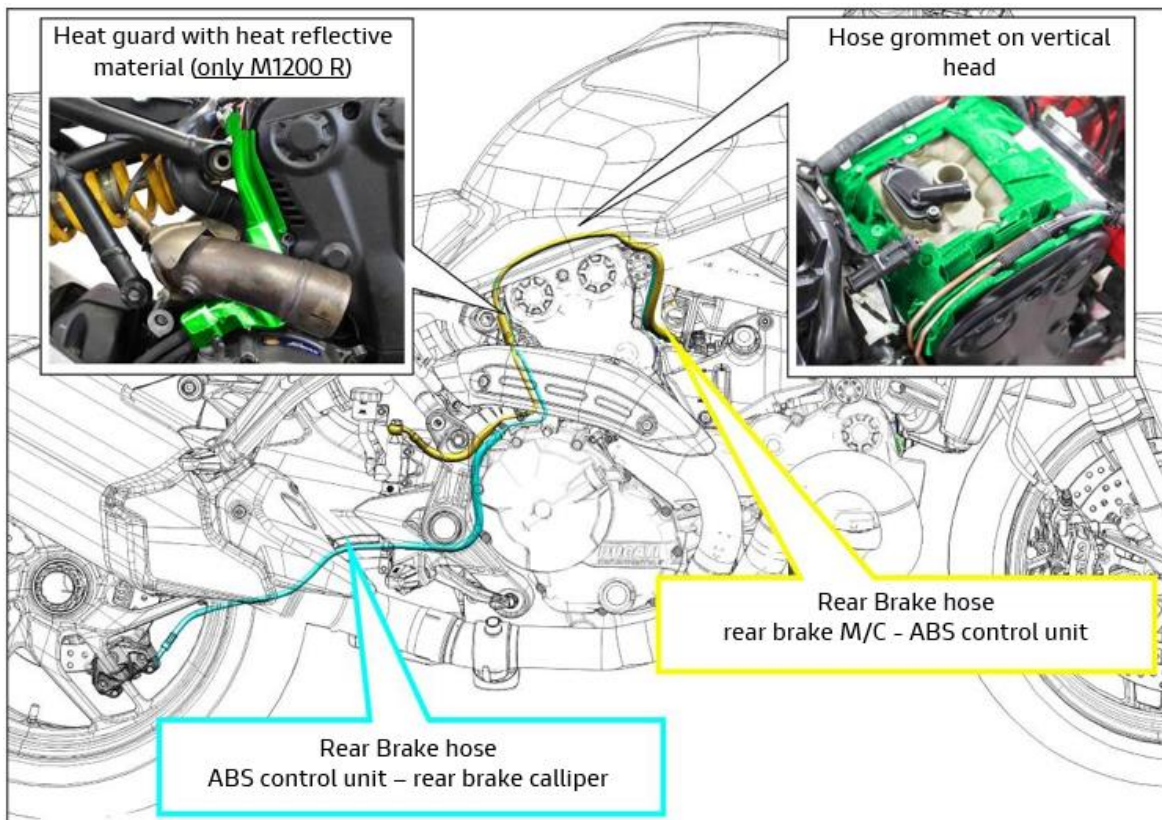
Date: November 16, 2021

To: Dealer Principal, General Manager, Service Manager, North American Dealer Network

From: Richard Kenton, Technical Director
Dan Schwartz, Service Area Manager

Dear Dealers,

Ongoing product quality testing and field reports have identified a potential for the rear brake application to soften over time as a consequence of use. To correct in cases of this occurrence, new rear brake hoses (ABS control unit to rear brake master cylinder – yellow, and ABS control unit to rear brake caliper – blue) are now available for the above listed models.



(Model M1200 shown for reference- images and component application will vary by model)



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Application

You can find the precise list of VIN numbers involved in CR222 on the DCS, in sections:

VIN HISTORY		It is possible to search by individual frame number.
CAMPAIGNS		It is possible to search for all the frame numbers that you received from Ducati Motor Holding.

MONSTER 1200S RED 2016 CAL DMH					
VIN #	ZDMMACFW9JB0 xxx	ENGINE #	ACFJ0 xxx	LAST MILEAGE OPERATION	17 MI
END CUSTOMER	Corsa Moto Transport, Inc.	MANUFACT DATE	04/09/2018	INVOICE	06/04/2019
WARRANTY TYPE	Standard Warranty	STANDARD WTY START DATE	12/28/2019	WTY END DATE	12/27/2021
SERVICE STATUS					

ATTENTION: YOU HAVE 1 PENDING RECALL CAMPAIGNS

N	TYPE	ID NUMBER	REPAIR DATE	DEFECT	CAUSAL PART	DEALER	MILEAGE
1	CAMPAIGN	CR222		SRV-TSB-21-010 Rear Brake Hose check and Repl.	Rear Brake Hose	<input type="button" value="VIEW"/> <input type="button" value="APPLY"/>	

Customer Impact

All motorcycles in your inventory (to be registered or already registered) and to be delivered to final Customers must be updated during pre-delivery operations and always before delivery to the final Customer. All motorcycles already delivered to final Customers must undergo this update as soon as they come to your workshop.

Parts Distribution

The following components required to carry out the upgrade under this Workshop Campaign must be ordered for each affected frame number. **It is necessary to order one specific KIT part per vehicle, which varies according to the model shown in the table:**

Model	Model Year	KIT part no.
Monster 821	2015-2017	69929501A
Monster 1200 R	2016-2019	69929511A
Monster 1200 S/STD	2014-2016	69929521A

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



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WARNING

Ensure the correct kit number is ordered for the vehicle that is being updated.

Warranty Reimbursement Rules

Reimbursement for work associated with this Safety Recall Campaign will be made through the regular warranty claim procedure using the “**Vehicle History**” section of the DCS.

The warranty claim is pre-filled and is identified as **CR222**.

Four operation types are provided and described below:

In case of check:

	Description	Spare parts	Labor
Repair TYPE 1	Check rear brake pedal travel	No Parts Required	██████████ ██████████

In case of rear brake hoses replacement:

	Description	Spare parts	Labor
Repair TYPE 2	Replacement of rear brake hoses on Monster 821 MY 15-17	Rear brake hose KIT part no. 69929501A	██████████ ██████████
Repair TYPE 3	Replacement of rear brake hoses on Monster 1200 R MY 16-19	Rear brake hose KIT part no. 69929511A	██████████ ██████████
Repair TYPE 4	Replacement of rear brake hoses on Monster 1200 MY 14-16	Rear brake hose KIT part no. 69929521A	██████████ ██████████

The Dealer shall be reimbursed for the parts listed for the operation; copper washers (8) part no. 85250241A, the applicable rear brake hose kit (see table in Spare Parts section), the consumable ties and DOT 4 brake fluid; and labor for ██████████ ██████████ that includes the time necessary for:

- Vehicle reception
- Rear brake hose removal (ABS unit/brake M/C and ABS unit/brake caliper)
- Installation of new rear brake hose assembly (ABS control unit/brake M/C and ABS control unit/brake caliper) and new heat guard and hose grommet on vertical head
- Filling and bleeding procedure of the rear brake system
- Soft cleaning of the vehicle



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Spare parts

The components to be used for this update are:

- The rear brake hose kit according to the specific model, see table (1pc)
- Copper washers part no. 85250241A (8pcs)
- Small and Large self-locking ties.

Kit part no.	Model	Components in the KIT	Quantity
69929501A	Monster 821 MY 15-17	Rear brake master cylinder - ABS control unit hose	1
		ABS control unit rear brake - brake caliper hose	1
		Hose grommet on vertical head	1

Kit part no.	Model	Components in the KIT	Quantity
69929511A	Monster 1200 R MY 16-19	Rear brake master cylinder - ABS control unit hose	1
		ABS control unit rear brake - brake caliper hose	1
		Heat guard	1
		Heat reflective material for heat guard	1
		Hose grommet on vertical head	1

Kit part no.	Model	Components in the KIT	Quantity
69929521A	Monster 1200 MY 14-16	Rear brake master cylinder - ABS control unit hose	1
		ABS control unit rear brake - brake caliper hose	1
		Hose grommet on vertical head	1



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 per SRV-TTB-17-002 valid for the Monster 1200 models, and SRV-TTB-17-003 valid for the Monster 821 models; NO specific bleeding procedure is hence required for the secondary circuit (circuit inside the ABS control unit).



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Service Solution



WARNING

To ensure the correct execution of the operation within the provided labor time to carry out the updates, it is necessary to follow the sequence indicated in the following instructions.



NOTE

The following procedure is relevant for all motorcycle versions for this campaign. The images shown are for general reference and may not align exactly to the motorcycle being worked on at all times. **Individual RED font callouts will be shown where variations are required to the repair strategy for the various models.**

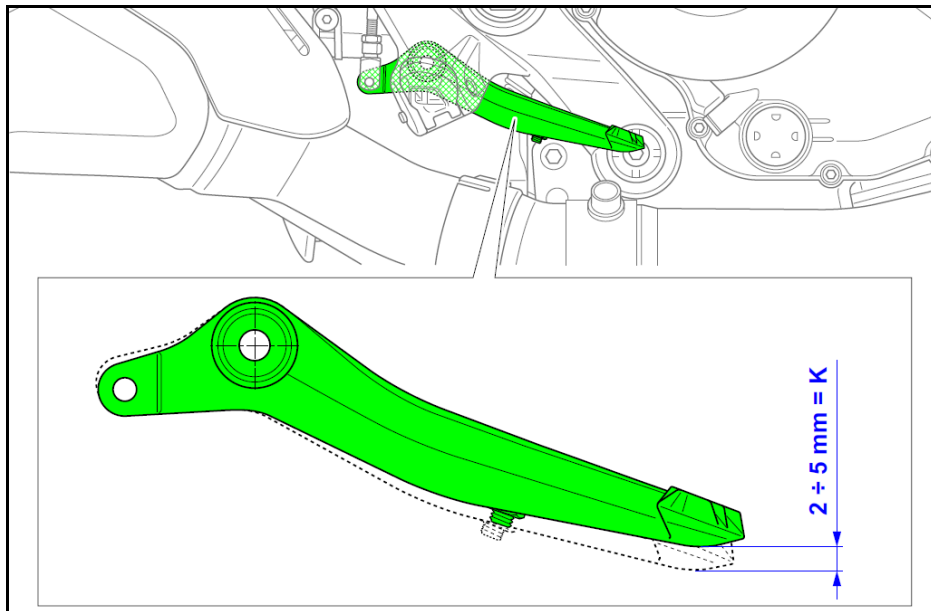
Operation 1: Check rear brake pedal travel



WARNING

Before measuring the heights (A) and (B), always check that the free play travel of the rear brake lever is correct (between 2 mm and 5 mm).

Remember that the idle stroke refers to the stroke performed by the brake cylinder control rod before operating the pump. If the idle stroke is outside the specified values, it must be adjusted again using the adjustment screw on the control rod.





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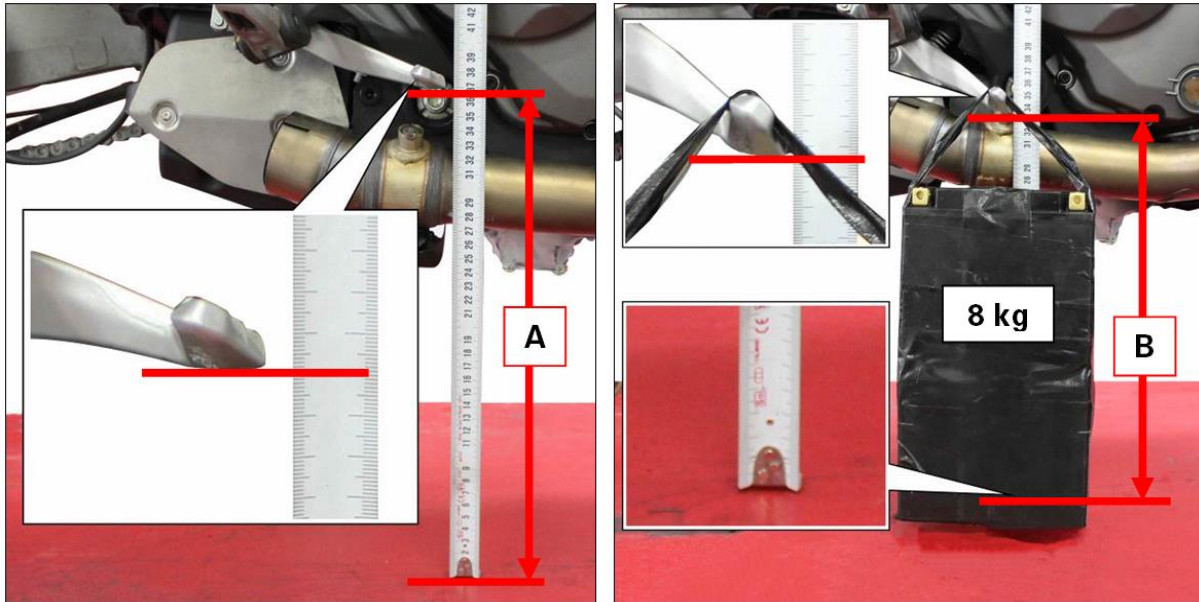
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1. Measure height **(A)** between rear brake lever lower end and load-bearing surface; brake lever must be in rest position (upper limit stop)
2. Slowly position the 8 kg weight onto rear brake lever; then measure height **(B)** between rear brake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



3. The difference between the measured heights **(A)** and **(B)** must fall within the range:

$$A - B = \text{between } 15 \text{ mm to } 23 \text{ mm}$$

- a) If the difference between the measured heights **(A)** and **(B)** falls within the above range, no further action is required
- b) If the difference between the measured heights **(A)** and **(B)** is greater than 23 mm, proceed to the Operation 2: Rear Brake Line Replacement



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Operation 2: Rear Brake Line Replacement

Part 1: Vehicle Preparation

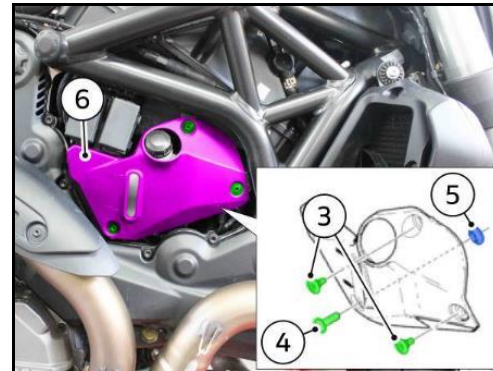
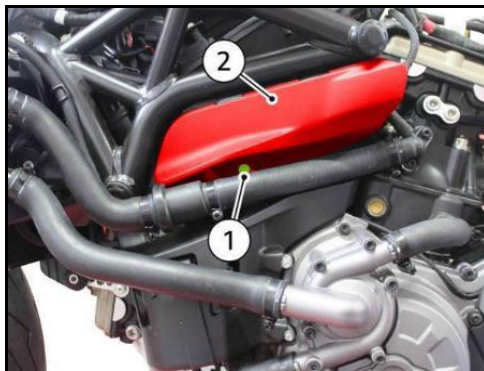
1. Position the motorcycle on the rear paddock stand.
2. Drain all the brake fluid contained inside the rear brake system.



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.

3. Remove the seat
4. Remove the fuel tank (See Sec.8: "Fuel/Exhaust system – Fuel tank" of the Workshop Manual)
5. Working on the LH side, remove **screw M5x10 (1)** retaining **cover (2)** and pull it up to remove it
6. Working on the RH side, remove **2 screws M5x9 (3)** and **screw M6x22 (4)** with relevant **spacer (5)** retaining **coolant reservoir cover (6)** and pull it out





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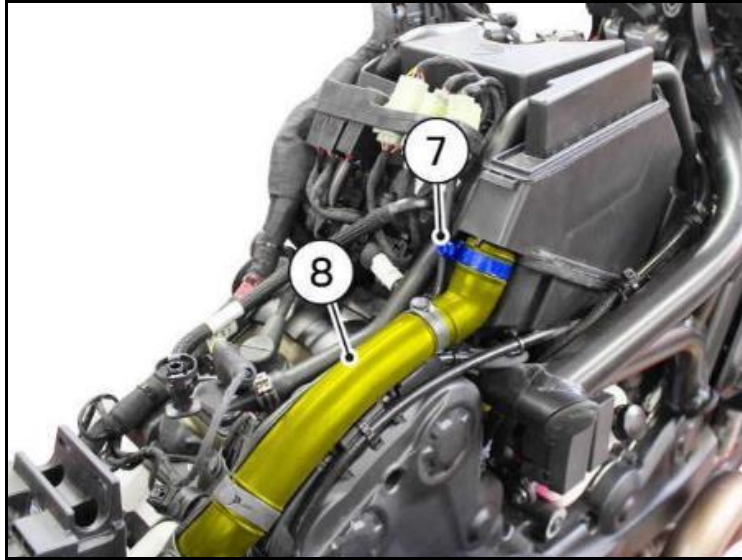
Monster 821 MY 2015–2017 (all versions)

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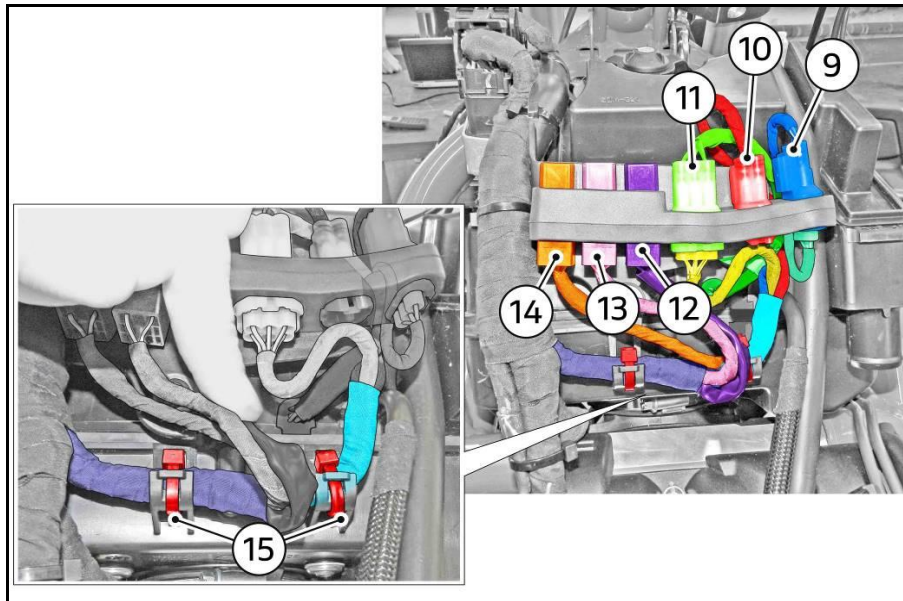
Monster 1200 R MY 2016–2019 (all versions)

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7. Loosen **clamp (7)** and remove crank case breather **hose (8)** from the Airbox



8. Disconnect injector-wiring **connector (9)**, vertical lambda sensor **connector (10)**, potentiometer wiring **connector (11)** and pull out starter **relay (12)**, injection **relay (13)** and fuel pump **relay (14)**
9. Remove the 2 large **self-locking ties (15)**





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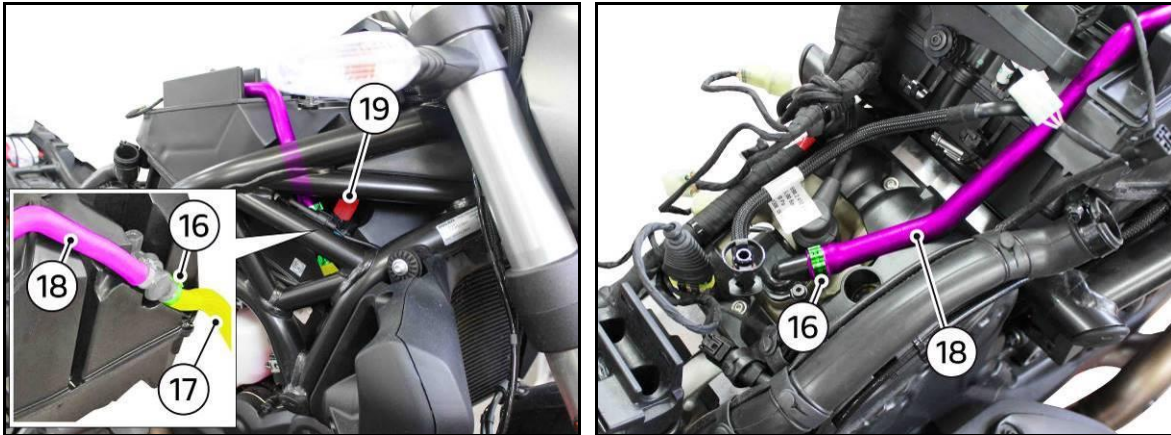
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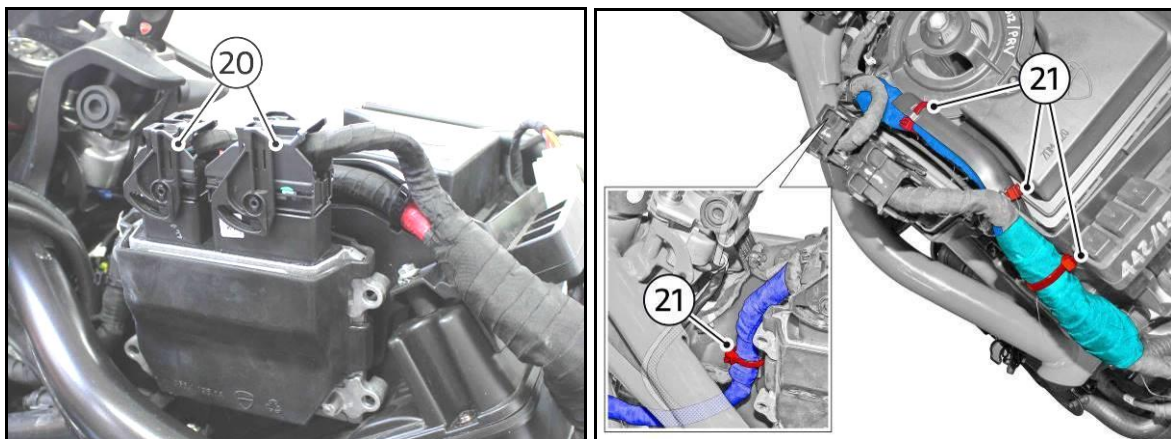
10. Working on vehicle RH side:

- Remove the **2 click clamps (16)** and pull out the horizontal head secondary air hose (17) and the vertical head secondary air hose (18)
- Disconnect secondary air (AIS) connector (19)



11. Working on vehicle LH side:

- Disconnect the **2 connectors (20)** of engine ECU
- Remove the **4 large self-locking ties (21)**





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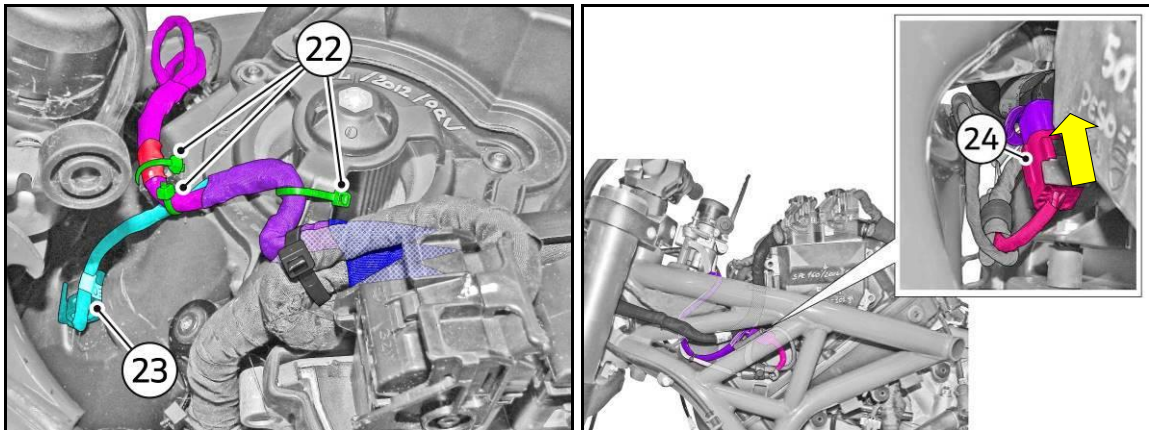
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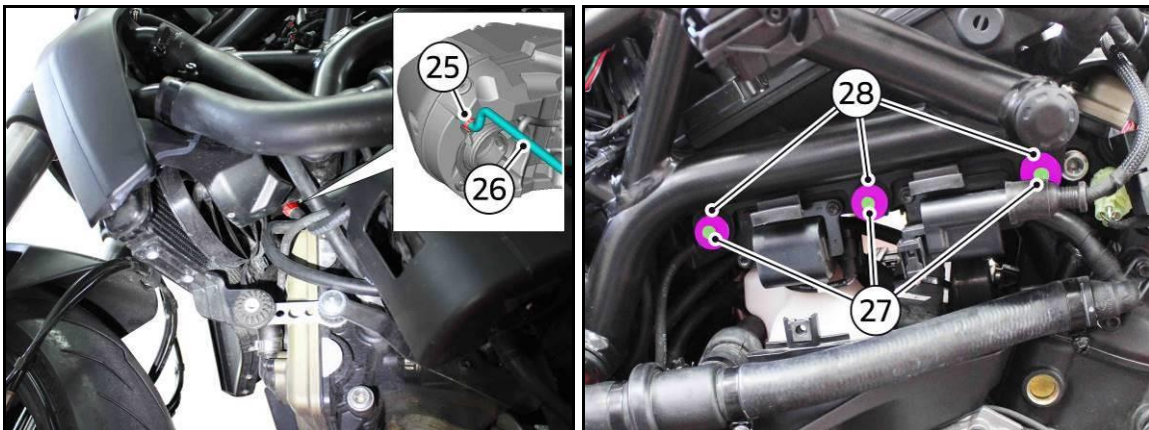
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- Remove the **3 small self-locking ties (22)**
- Disconnect the air temperature sensor **connector (23)**
- Pull out ignition switch **connector (24)** from the relevant tab present on the Airbox



- Remove click **clamp (25)** and remove Airbox drain **hose (26)**
- Remove **3 screws M5x20 (27)** with relevant **spacers (28)** retaining coil support bracket to access the map sensor connector





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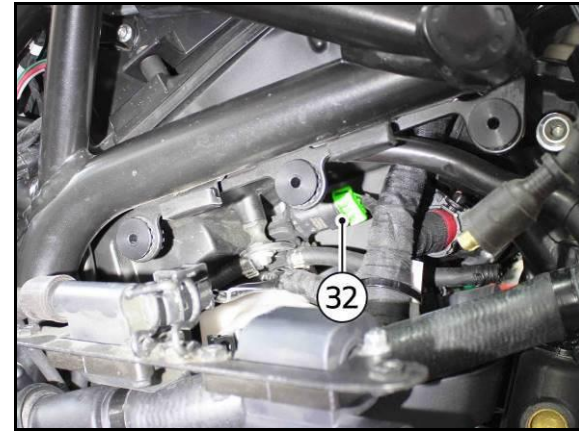
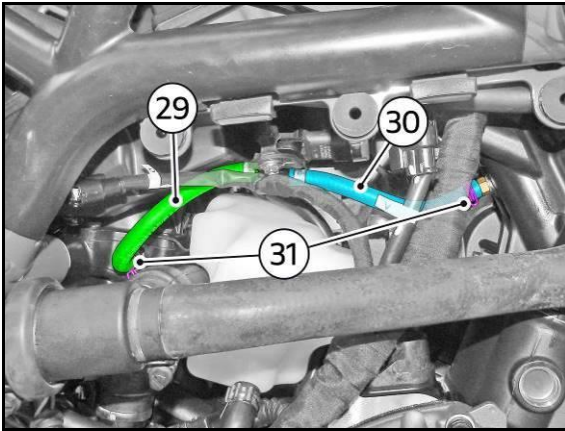
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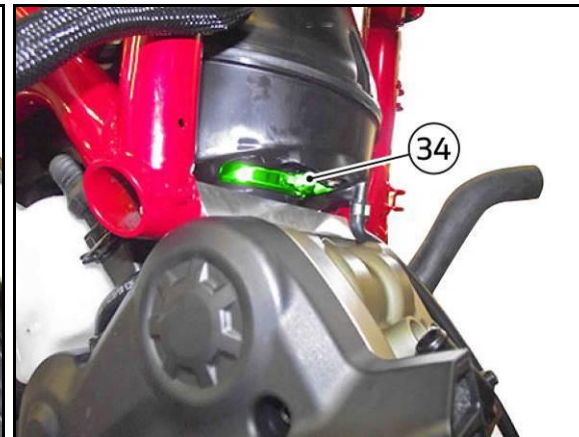
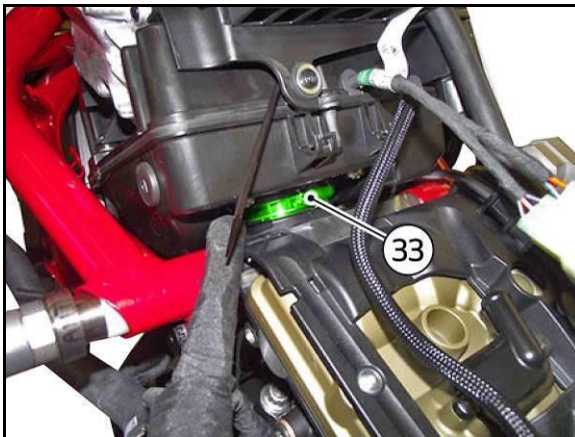
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- Pull out horizontal head pressure sensor **hose (29)** and vertical head pressure sensor **hose (30)** by removing the **2 ties (31)**
- Disconnect the map sensor **connector (32)**



12. Working on vehicle RH side, loosen **clamp (33)** positioned on the vertical cylinder head, while on the LH side, loosen **clamp (34)** positioned on the horizontal cylinder head.

13. Remove the Airbox from the vehicle.





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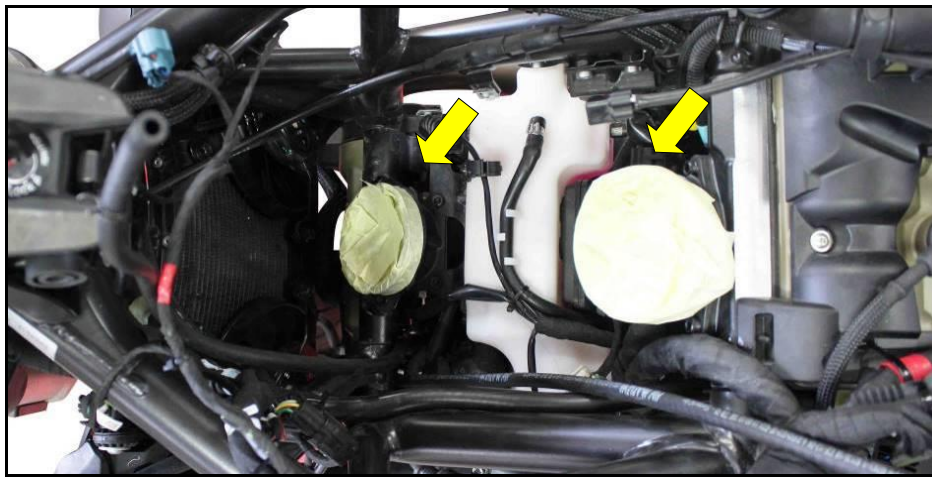
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14. Protect the engine with a cloth near the ABS control unit and cover the intake manifolds as shown in the figure so as to avoid the possible penetration of brake fluid or impurities inside the manifolds.

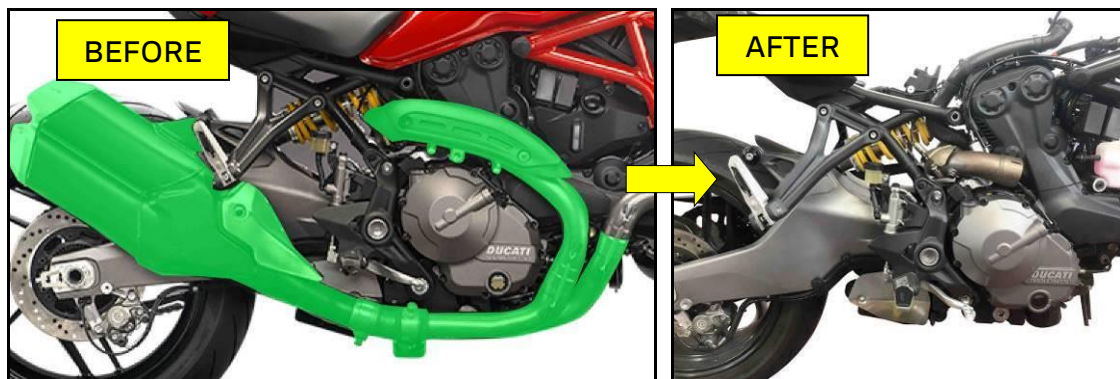


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15. Remove the silencer (See Sec.8: “Fuel/Exhaust system – Exhaust system” of the Workshop Manual).
16. Remove the vertical head exhaust manifold (See Sec.8: “Fuel/Exhaust system – Exhaust system” of the Workshop Manual).





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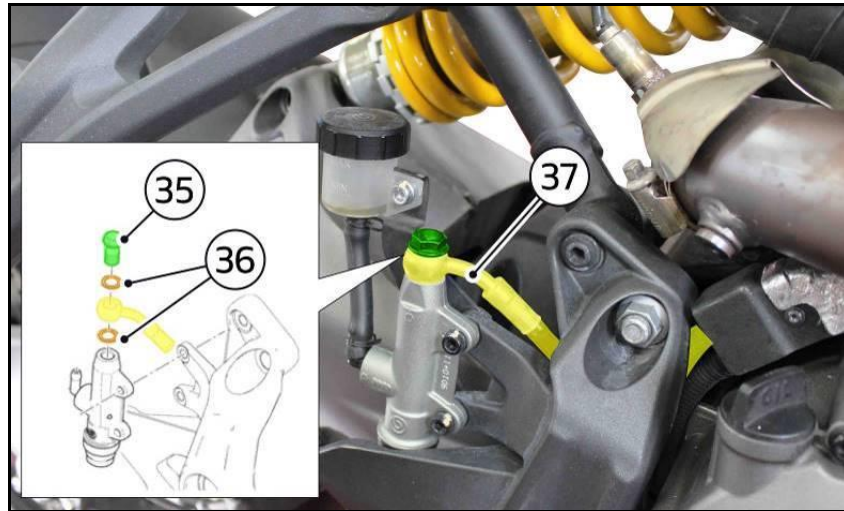
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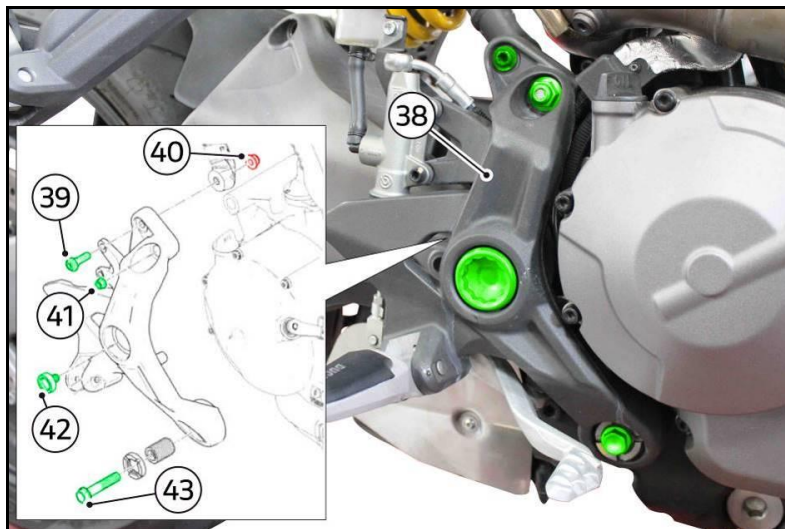
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17. Remove the **special screw (35)** with the **2 copper washers (36)** securing **brake hose (37)** to rear brake master cylinder.



18. To remove the RH front footpeg holder **plate (38)** assembly, remove the following:

- the **special screw (39)** while holding nut **M8 (40)**
- the **nut (41)** while holding it on the opposite side
- the **special screw (42)**
- the **screw M10x50 (43)**





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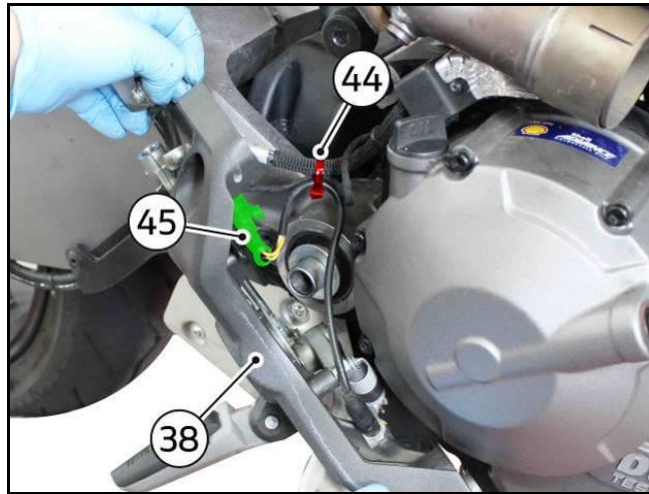
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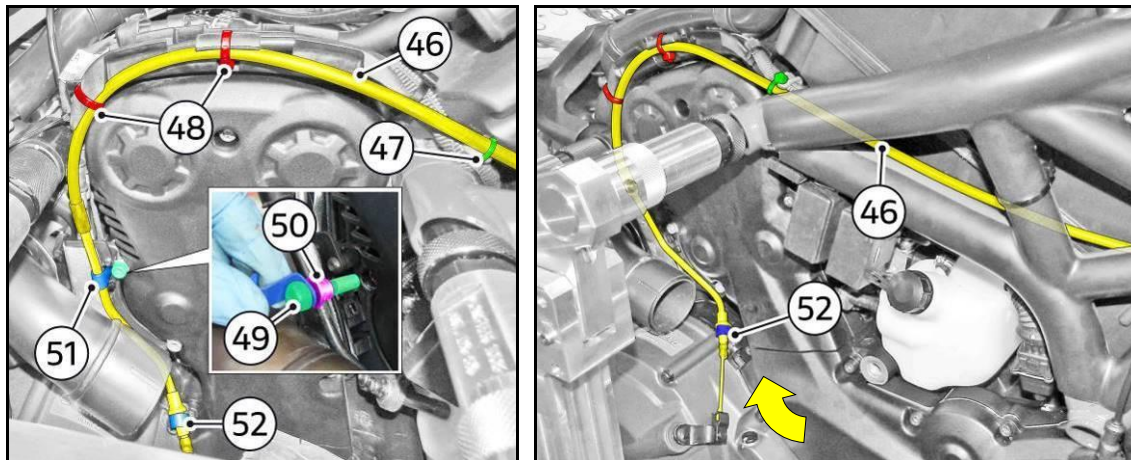
19. Pull out the RH front footpeg holder plate (38) by removing self-locking tie (44) and disconnect rear stop light connector (45).



20. On Monster 821 model versions, where present:

Release the clutch cable (46) by removing:

- 1 small self-locking tie (47)
- 2 large self-locking ties (48)
- 1 screw M6x25 (49) with relevant spacer (50) and cable guide (51)
- slide out nipple and release clutch cable (46) from cable guide (52)





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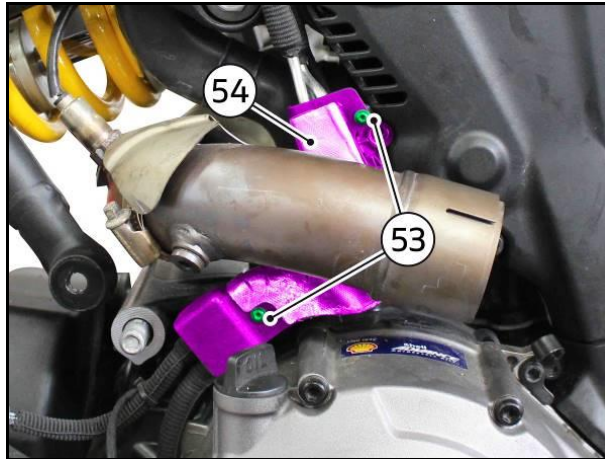
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21. Remove the 2 self-tapping screws (53) and slide out the cover (54)



NOTE

To make cover (54) removal easier, follow the sequence below:

- Move the cover towards motorcycle front end
- Turn cover downwards to release its end from the exhaust manifold
- Slide out the cover towards motorcycle front end





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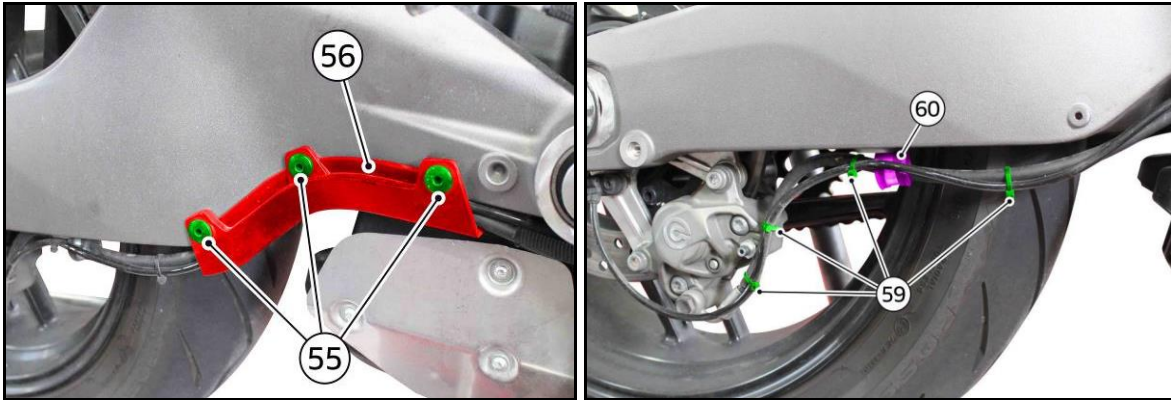
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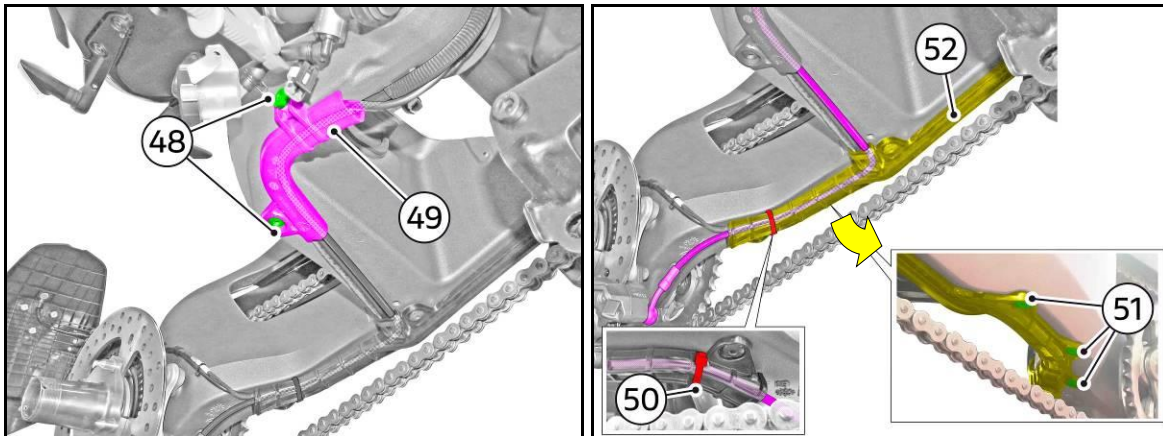
22. On Monster 821 model versions:

- Remove the 3 screws M5x12 (55) securing cable guide (56) to swingarm, then slide out
- Remove the 4 small self-locking ties (59) and the hose grommet (60) by acting on the relevant retaining screw.



23. On Monster 1200 model versions:

- Remove the 2 screws M5x12 (48) and pull out hose guide (49)
- Remove the large self-locking tie (50) and the 3 screws M5x12 (51) so as to release the rear brake hose without fully removing the chain sliding shoe (52).





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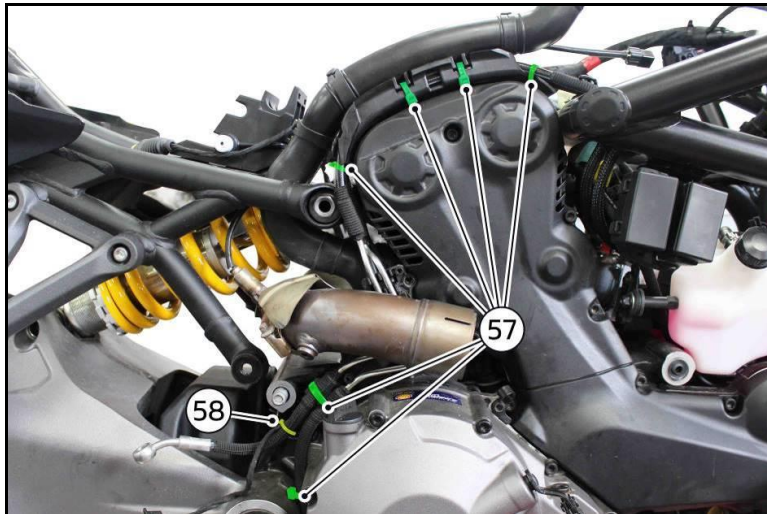
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24. To remove the ABS control unit - brake master cylinder and ABS control unit - rear brake caliper hoses, proceed as follows:

- Remove the **6 large self-locking ties (57)** and the **small self-locking tie (58)**.



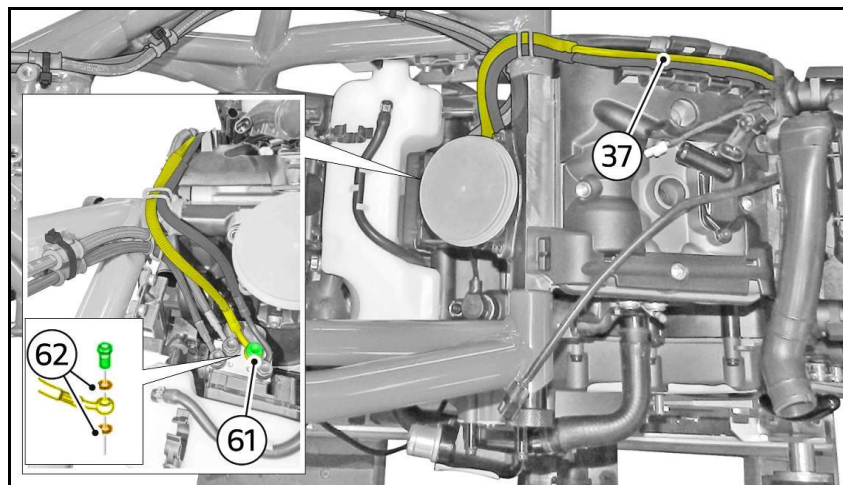
Part 2: Rear Brake Hose Removal

1. Working on ABS control unit, remove the **special screw (61)** with the **2 copper washers (62)**.



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 to finish and components due to brake fluid contact are not covered by warranty and are the responsibility of the dealer to repair.





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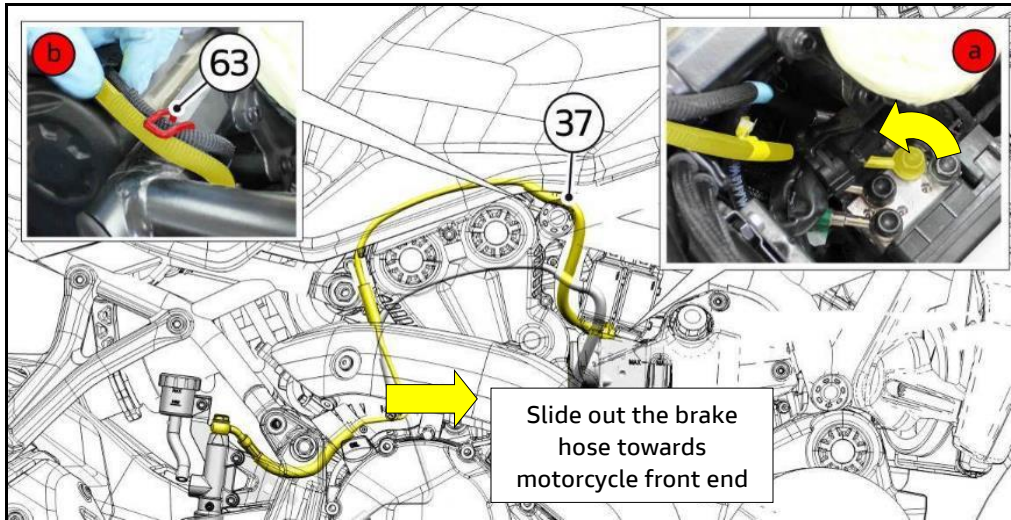
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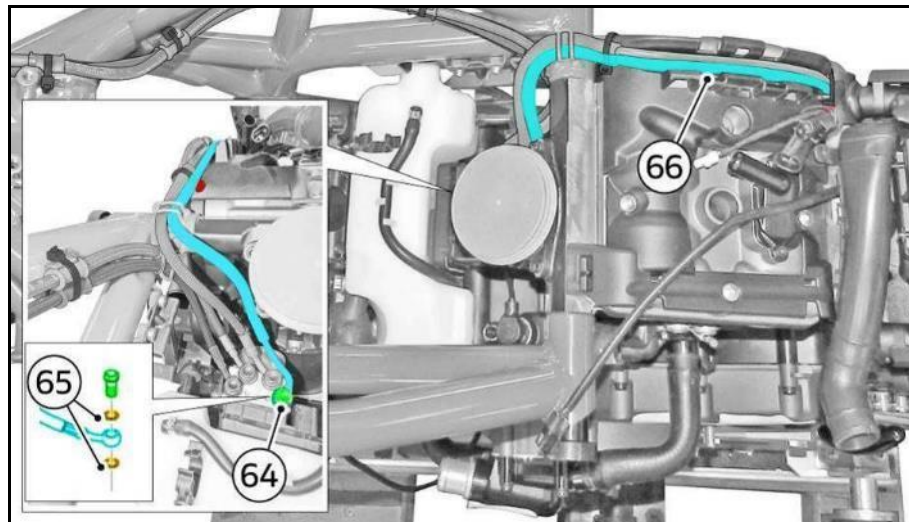
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2. Pull out the **brake hose (37)** towards the front end following the sequence of operations indicated below:
 - Route the ABS control unit fitting below the wiring support
 - Release **brake hose (37)** from **cable guide (63)**



3. Working on the ABS control unit, remove the **special screw (64)** with the 2 **copper washers (65)** securing **brake hose (66)** to ABS control unit.





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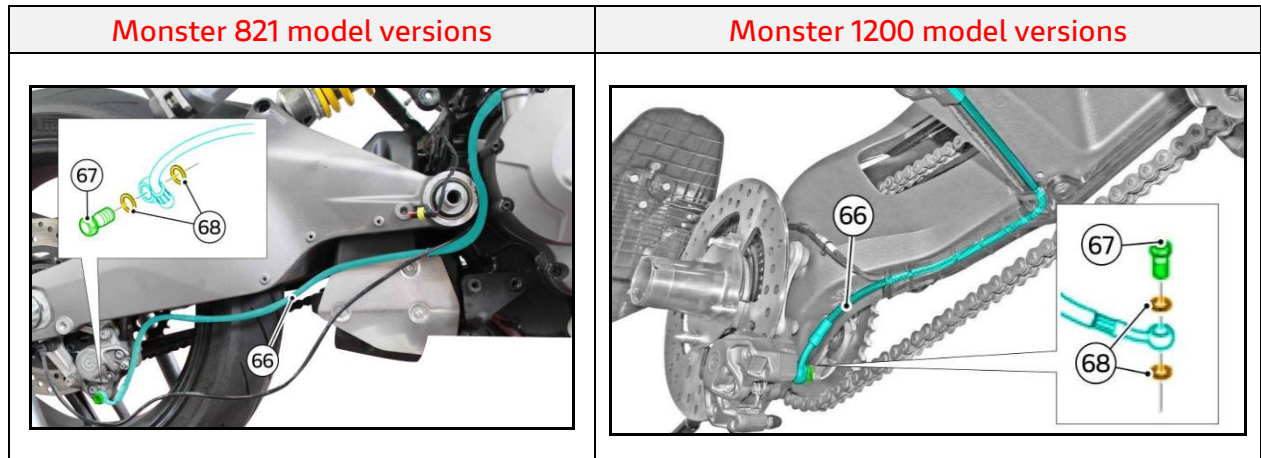
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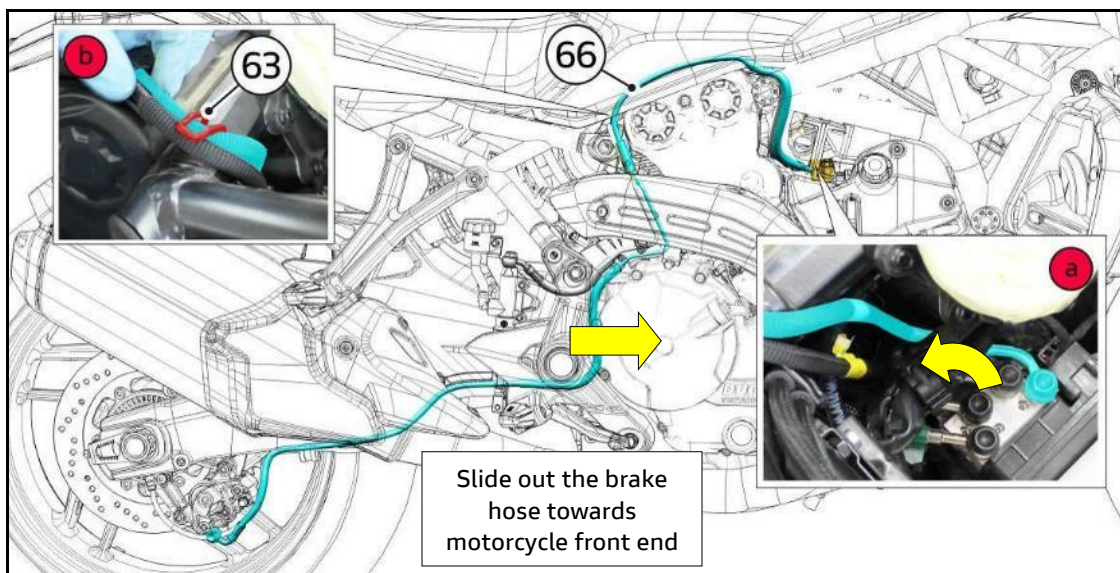
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4. Working on the rear brake caliper, remove the **special screw (67)** with the **2 copper washers (68)** securing **brake hose (66)** to rear brake master cylinder.



5. Pull out the **brake hose (66)** towards the front end following the sequence of operations indicated below:

- Route the ABS control unit fitting below the wiring support
- Release **brake hose (66)** from **cable guide (63)**





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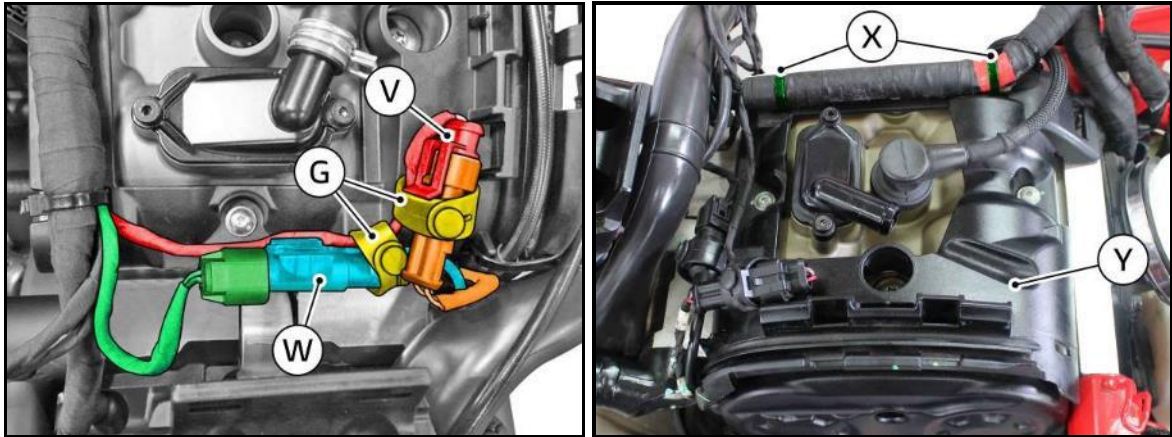
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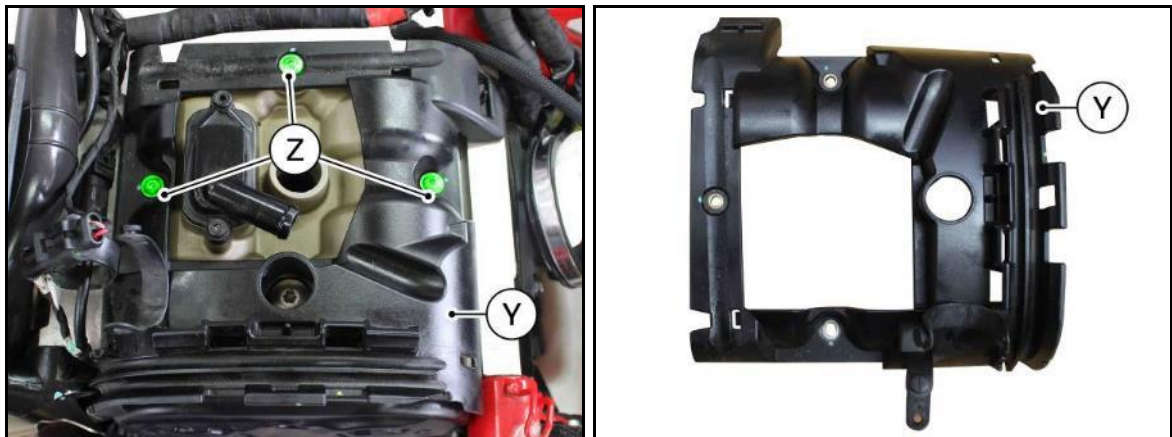
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6. Acting on the vertical head, release the **connector (V)** of the rear stop light sensor branch and the **connector (W)** of the rear speed sensor cable from the **2 button ties L70 (G)**.
7. Remove the **2 self-locking ties (X)** securing the main wiring harness to the **head cover (Y)**.



8. Remove the **3 screws (Z)** securing **cover (Y)** of the vertical head and then slide it out.





CR222 – Rear Brake Hoses Check and Replace if Required

Monster 821 MY 2015–2017 (all versions)

Monster 1200 S/STD MY 2014–2016 (all versions)

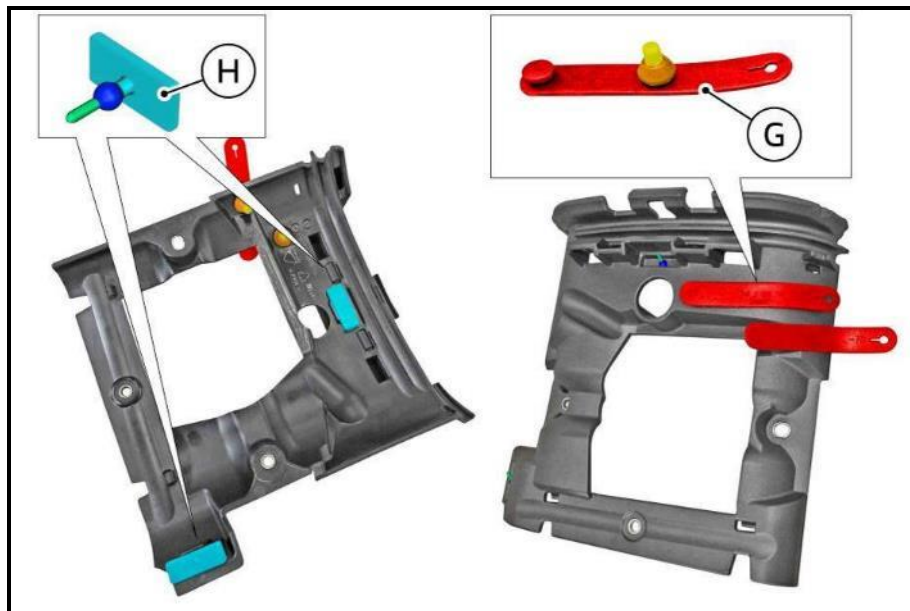
Monster 1200 R MY 2016–2019 (all versions)

Technical Service Bulletin SRV-TSB-21-010

9. Take the new vertical head cover included in the KIT.



10. Remove the 2 L70 button ties (G) and the 2 rubber buffers (H) from the old cover, as shown in the figure, and install them on the new cover.





CR222 – Rear Brake Hoses Check and Replace if Required

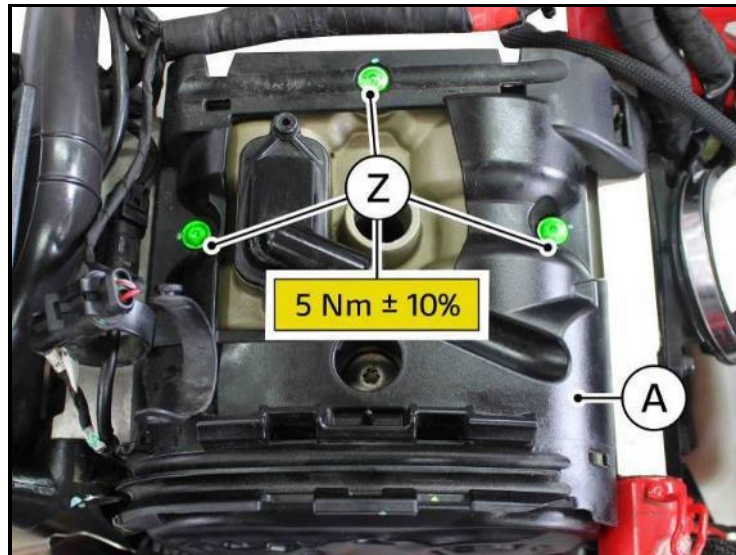
Monster 821 MY 2015–2017 (all versions)

Monster 1200 S/STD MY 2014–2016 (all versions)

Monster 1200 R MY 2016–2019 (all versions)

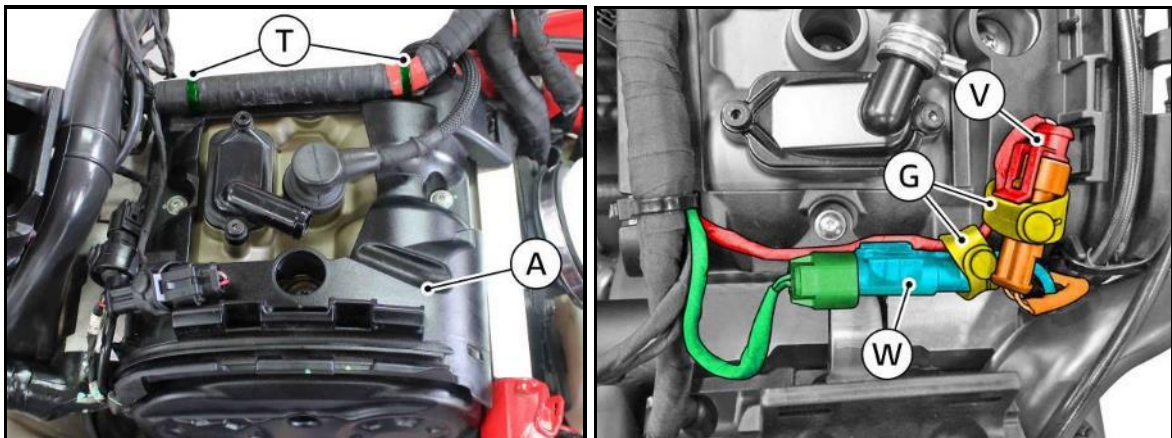
Technical Service Bulletin SRV-TSB-21-010

11. Fit the new vertical head cover (A) by tightening the 3 fixing screws (Z) to $5 \text{ Nm} \pm 10\%$.



12. Fix the main wiring to the head cover (A) using the 2 new self-locking ties (T) as shown in the figure.

13. Fix the connector (V) of the rear stop light sensor branch and the connector (W) of the rear speed sensor cable with the 2 button ties L70 (G) as shown in the figure.





CR222 – Rear Brake Hoses Check and Replace if Required

Monster 821 MY 2015–2017 (all versions)

Monster 1200 S/STD MY 2014–2016 (all versions)

Monster 1200 R MY 2016–2019 (all versions)

Technical Service Bulletin SRV-TSB-21-010

Part 3: Rear Brake Hoses Installation

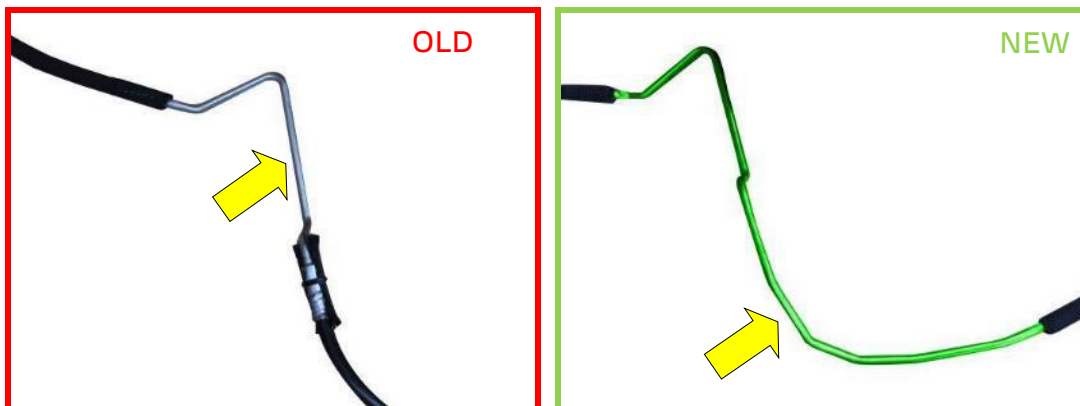
ABS Control Unit to the Rear Brake Caliper Hose Installation

1. Take the new **brake hose (A)** connecting the ABS control unit to the rear brake caliper.



NOTE

The new brake hose can be recognized by the rigid section that runs along the vertical head, which is longer than the previous one.





CR222 – Rear Brake Hoses Check and Replace if Required

Monster 821 MY 2015–2017 (all versions)

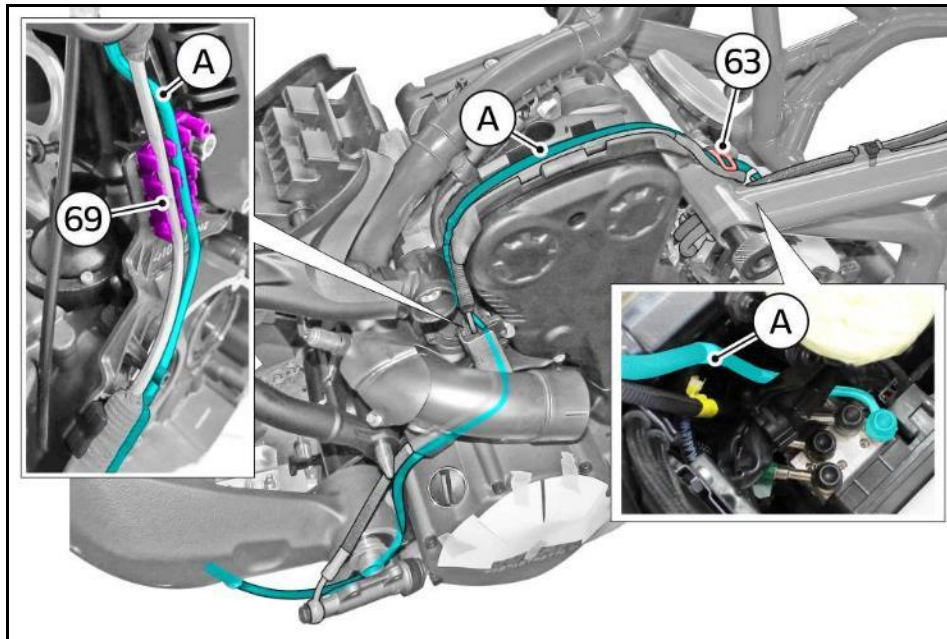
Monster 1200 S/STD MY 2014–2016 (all versions)

Monster 1200 R MY 2016–2019 (all versions)

Technical Service Bulletin SRV-TSB-21-010

2. Install the new **brake hose (A)** connecting the ABS control unit to the rear brake caliper, as shown below:

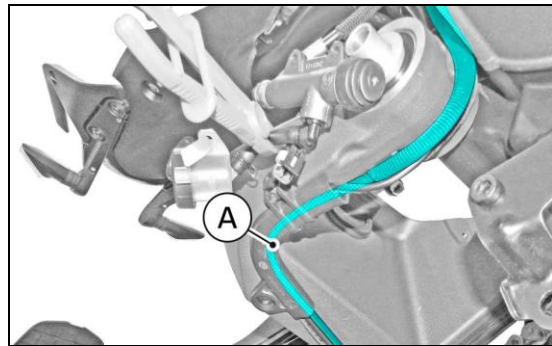
- Route the ABS control unit fitting below the wiring support
- Position **brake hose (A)** inside **cable guide (63)**
- Position **brake hose (A)** inside **cable guide (69)**, in the position shown in the figure
- Route **brake hose (A)** between swingarm and clutch cover



Monster 821 model versions



Monster 1200 model versions





CR222 – Rear Brake Hoses Check and Replace if Required

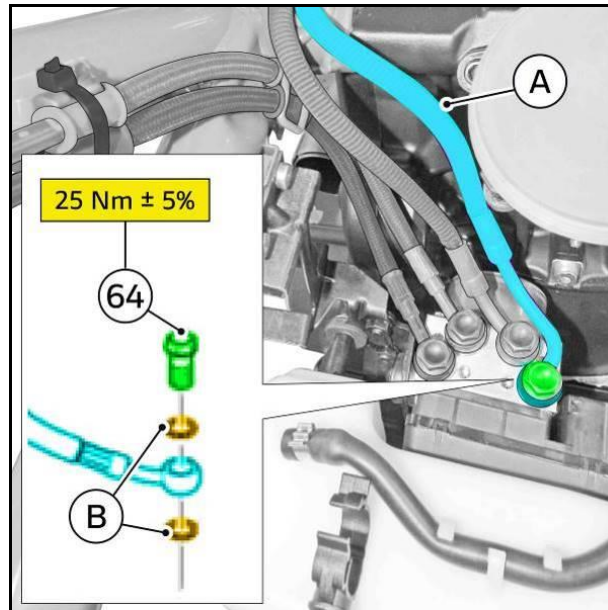
Monster 821 MY 2015–2017 (all versions)

Monster 1200 S/STD MY 2014–2016 (all versions)

Monster 1200 R MY 2016–2019 (all versions)

Technical Service Bulletin SRV-TSB-21-010

3. Fasten the ABS control unit fitting to the control unit as shown in the figure, using **2 new copper washers (B)** and tighten the **special screw (64)** to **25 Nm ± 5% with certification.**



WARNING

Due to the presence of the elongated rigid section, the brake hoses are not easy to handle, unlike the old ones, so tightening the fittings on the ABS control unit requires greater care to avoid damaging the threads on the ABS control unit.



CR222 – Rear Brake Hoses Check and Replace if Required

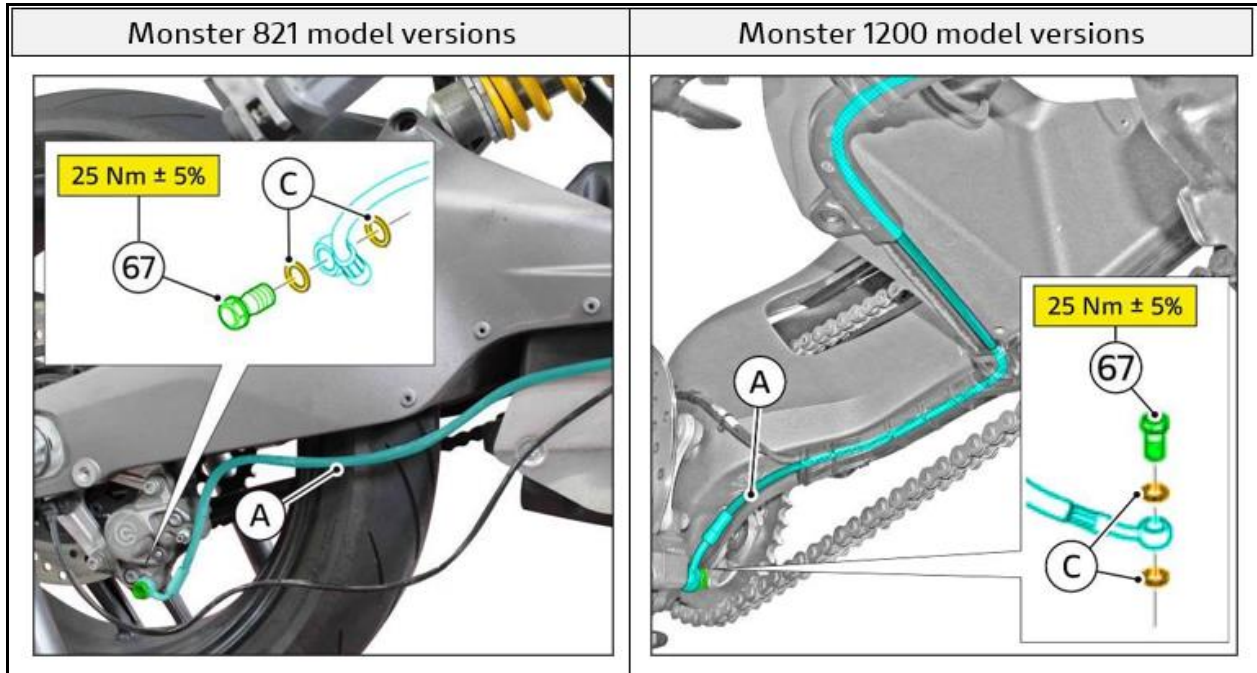
Monster 821 MY 2015–2017 (all versions)

Monster 1200 S/STD MY 2014–2016 (all versions)

Monster 1200 R MY 2016–2019 (all versions)

Technical Service Bulletin SRV-TSB-21-010

4. Fasten the rear brake caliper fitting, aiming it as shown in the figure, using **2 new copper washers (C)** and tighten the **special screw (67)** to **25 Nm ± 5% with certification**.



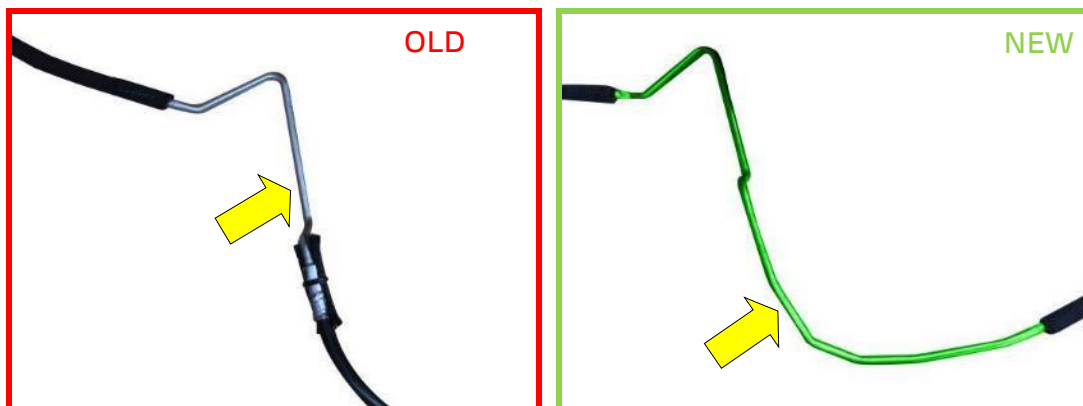
Rear Brake Master Cylinder to ABS Control Unit Hose Installation

1. Take the new **brake hose (D)** connecting the ABS control unit to the rear brake master cylinder.



NOTE

The new brake hose can be recognized by the rigid section that runs along the vertical head, which is longer than the previous one.





CR222 – Rear Brake Hoses Check and Replace if Required

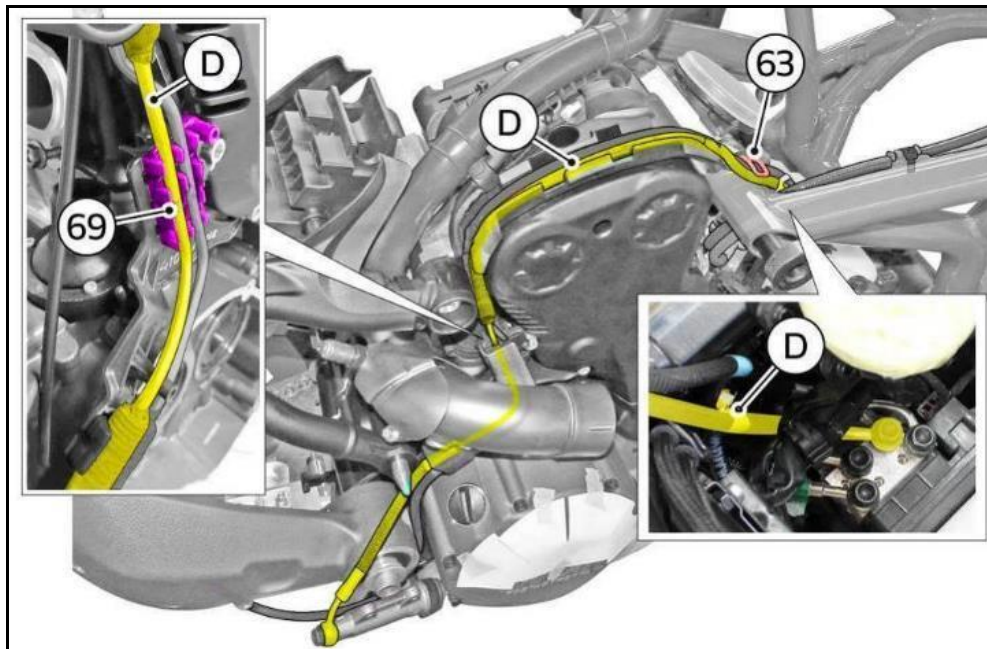
Monster 821 MY 2015–2017 (all versions)

Monster 1200 S/STD MY 2014–2016 (all versions)

Monster 1200 R MY 2016–2019 (all versions)

Technical Service Bulletin SRV-TSB-21-010

2. Install the new **brake hose (D)** connecting the ABS control unit to the rear brake master cylinder, as shown below:
 - Route the ABS control unit fitting below the wiring support.
 - Position **brake hose (D)** inside **cable guide (63)**, close to brake hose (A).
 - Position **brake hose (D)** inside **cable guide (69)**, in the position shown in the figure.





CR222 – Rear Brake Hoses Check and Replace if Required

Monster 821 MY 2015–2017 (all versions)

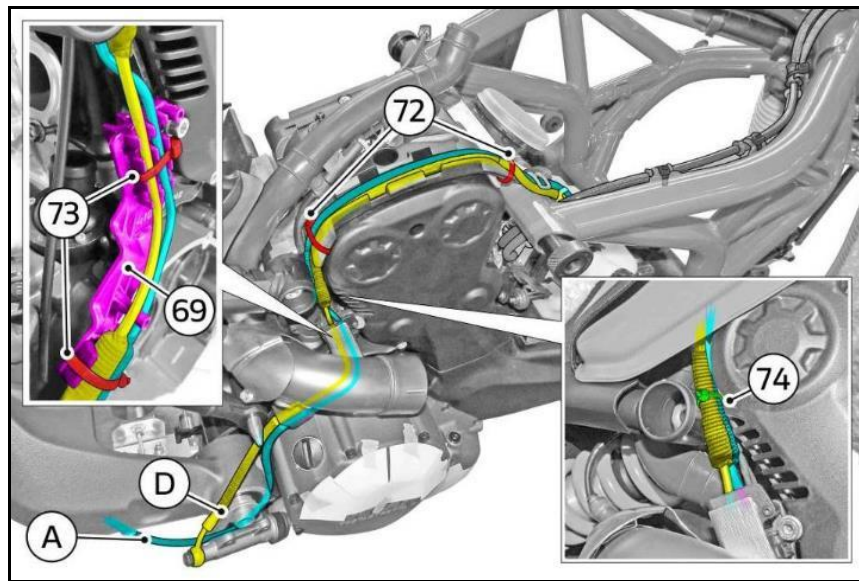
Monster 1200 S/STD MY 2014–2016 (all versions)

Monster 1200 R MY 2016–2019 (all versions)

Technical Service Bulletin SRV-TSB-21-010

3. Before fastening the fittings of **brake hose (D)**:

- Tie the **brake hoses (A)** and **(D)** to the vertical head cover using the **2 large self-locking ties (72)**, aiming these latter as shown in the figure
- Tie the **brake hoses (A)** and **(D)** to the **hose grommet (69)** using the **2 large self-locking ties (73)**, aiming these latter as shown in the figure
- Tie the **brake hoses (A)** and **(D)** close to the vertical head-rear subframe connector using the **small self-locking tie (74)**, aiming this latter as shown in the figure.





CR222 – Rear Brake Hoses Check and Replace if Required

Monster 821 MY 2015–2017 (all versions)

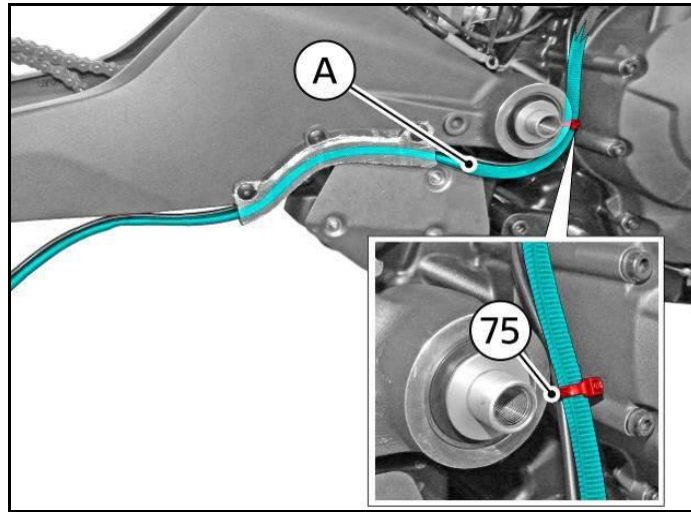
Monster 1200 S/STD MY 2014–2016 (all versions)

Monster 1200 R MY 2016–2019 (all versions)

Technical Service Bulletin SRV-TSB-21-010

14. For Monster 821 model versions only:

Tie the **brake hose (A)** to the rear speed sensor cable using the **small self-locking tie (75)**, aiming this latter as shown in the figure



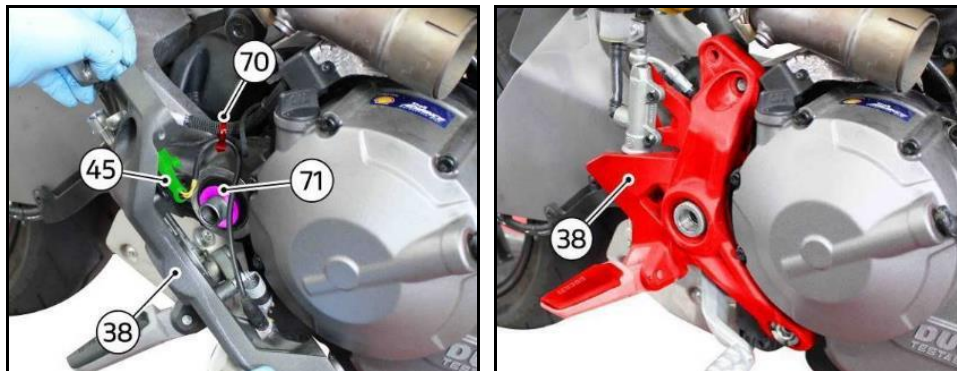
15. Take the **footpeg holder plate assembly (38)** and tie the brake hose (D) to the rear stop light sensor wiring using the small self-locking **tie (70)**, aiming this latter as shown in the figure

16. Connect the rear stop light **connector (45)**



NOTE

When fitting the RH front footpeg holder plate assembly, make sure that **bushing (71)** is present on swingarm shaft and take care not to damage the brake hose and wiring.





CR222 – Rear Brake Hoses Check and Replace if Required

Monster 821 MY 2015–2017 (all versions)

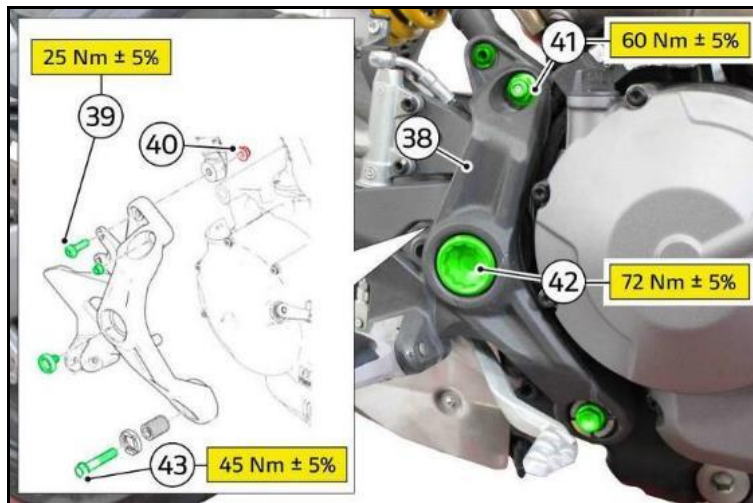
Monster 1200 S/STD MY 2014–2016 (all versions)

Monster 1200 R MY 2016–2019 (all versions)

Technical Service Bulletin SRV-TSB-21-010

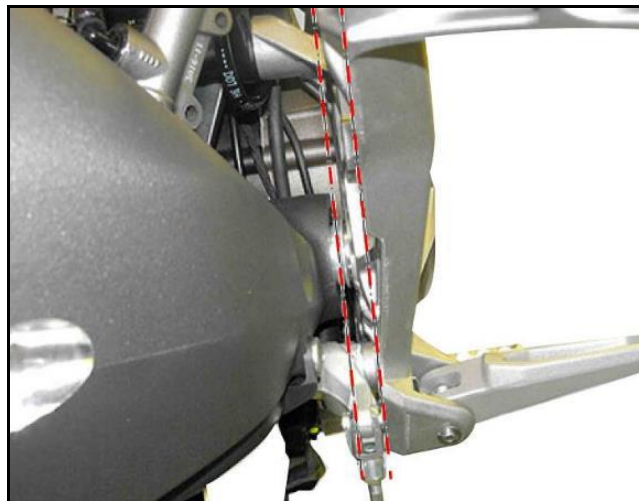
17. Fasten the RH front footpeg holder **plate (38)** assembly following the sequence below:

- Tighten **special screw (42)** to **72 Nm \pm 5%** with grease GADUS S2 V220 AD 2 (or equivalent) + certification
- Tighten **nut (41)** to **60 Nm \pm 5%** with grease GADUS S2 V220 AD 2 (or equivalent) + certification while holding it from the opposite side
- Tighten **screw M10x50 (43)** to **45 Nm \pm 5%** with grease GADUS S2 V220 AD 2 (or equivalent) + certification
- Tighten **special screw (39)** to **25 Nm \pm 5%** while holding **nut M8 (40)** and certify



NOTE

Check the correct alignment between the footpeg holder plate and the swingarm.





CR222 – Rear Brake Hoses Check and Replace if Required

Monster 821 MY 2015–2017 (all versions)

Monster 1200 S/STD MY 2014–2016 (all versions)

Monster 1200 R MY 2016–2019 (all versions)

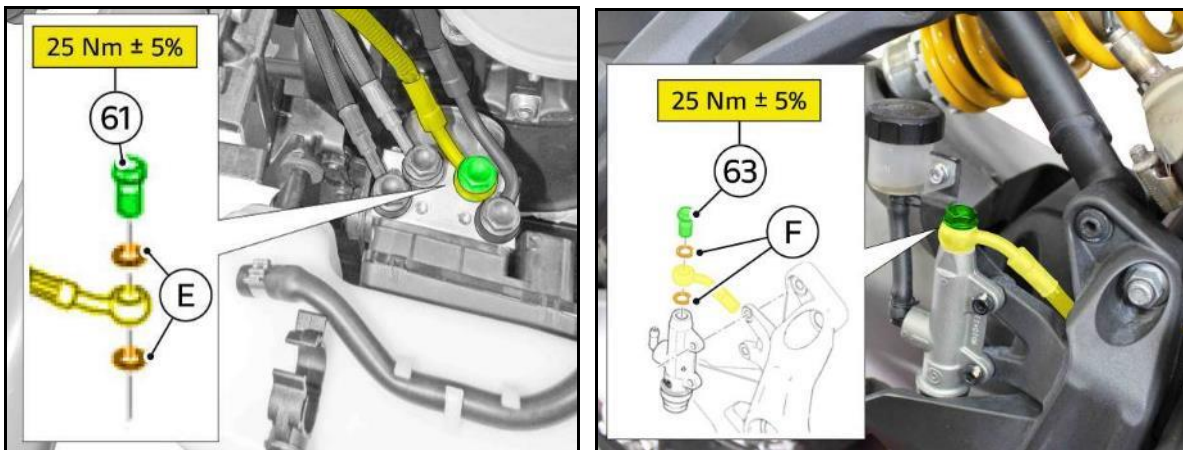
Technical Service Bulletin SRV-TSB-21-010

18. Fasten the fitting to the ABS control unit as shown in the figure, using **2 new copper washers (E)** and tighten the **special screw (61)** to **25 Nm ± 5% with certification.**
19. Fasten the rear brake master cylinder fitting as shown in the figure using **2 new copper washers (F)** and tighten the **special screw (63)** to **25 Nm ± 5% with certification.**



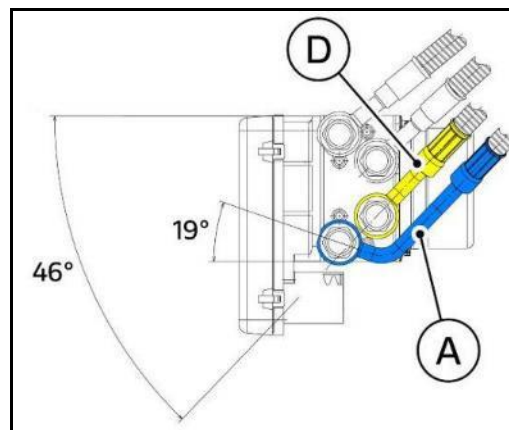
WARNING

Due to the presence of the elongated rigid section, the brake hoses are not easy to handle, unlike the old ones, so tightening the fittings on the ABS control unit requires greater care to avoid damaging the threads on the ABS control unit.



WARNING

Make sure that **brake hose (A)** and **brake hose (D)** fittings are aimed on the **ABS control unit** as shown in the figure and check also that there are no interferences.





CR222 – Rear Brake Hoses Check and Replace if Required

Monster 821 MY 2015–2017 (all versions)

Monster 1200 S/STD MY 2014–2016 (all versions)

Monster 1200 R MY 2016–2019 (all versions)

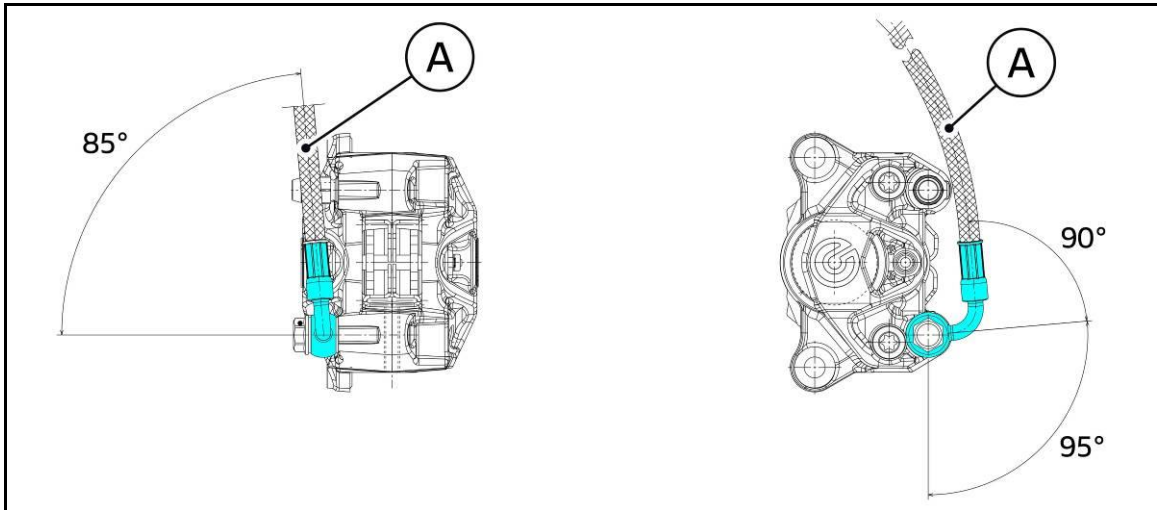
Technical Service Bulletin SRV-TSB-21-010



WARNING

For Monster 821 model versions:

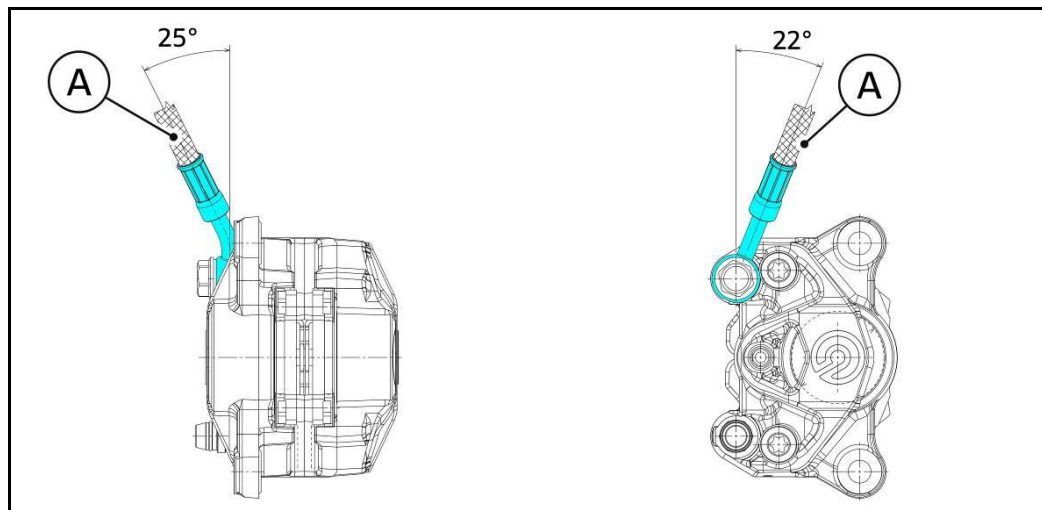
Ensure that **brake hose (A)** fittings are aimed on the brake caliper as shown in the figure.



WARNING

For Monster 1200 model versions:

Ensure that **brake hose (A)** fittings are aimed on the brake caliper as shown in the figure.





CR222 – Rear Brake Hoses Check and Replace if Required

Monster 821 MY 2015–2017 (all versions)

Monster 1200 S/STD MY 2014–2016 (all versions)

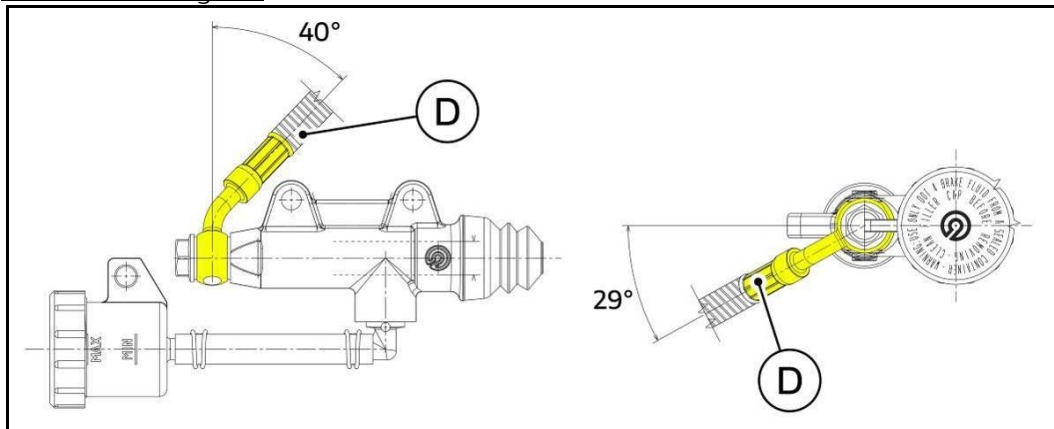
Monster 1200 R MY 2016–2019 (all versions)

Technical Service Bulletin SRV-TSB-21-010



WARNING

Ensure the **brake hose (D)** fittings are aimed on the rear brake master cylinder, as shown in the figure.



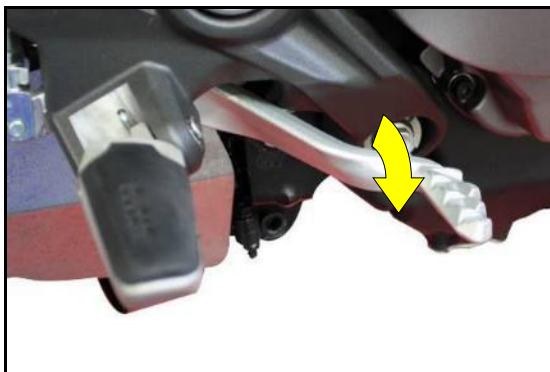
Part 4: Rear Brake System Filling and Bleeding

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 valid for the Monster 1200 models, and SRV-TTB-17-003 valid for the Monster 821 models.



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 contact with vehicle component is NOT covered by warranty and is the responsibility of the dealer to repair.





CR222 – Rear Brake Hoses Check and Replace if Required

Monster 821 MY 2015–2017 (all versions)

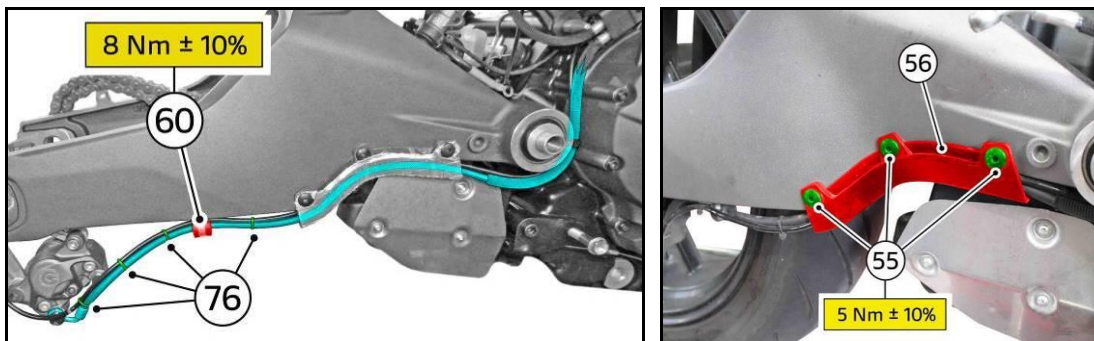
Monster 1200 S/STD MY 2014–2016 (all versions)

Monster 1200 R MY 2016–2019 (all versions)

Technical Service Bulletin SRV-TSB-21-010

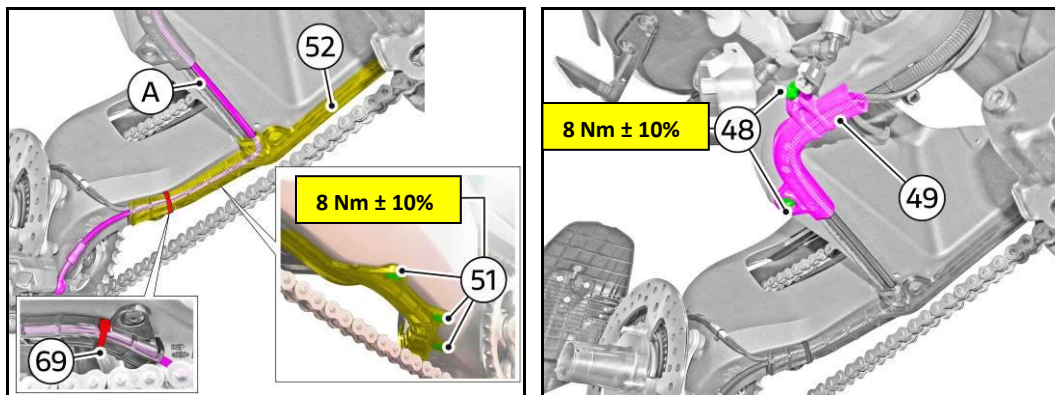
For Monster 821 model versions:

1. Fasten **brake hose (A)** to the swingarm through **hose grommet (60)** and tighten the relevant retaining screw to **8 Nm ± 10%**
2. Tie the **brake hose (A)** to the rear speed sensor cable using the **4 small self-locking ties (76)**, aiming these latter as shown in the figure
3. Install **cable guide (56)** on swingarm by tightening the **3 screws M5x12 (55)** to **5 Nm ± 10%** by applying **LOCTITE 243** on threads.



For Monster 1200 model versions:

1. Position **brake hose (A)**, speed sensor cable and number plate light cable along the swingarm and fasten them with **hose guide (49)** and **chain sliding shoe (52)**
2. Tighten **2 screws M5x12 (48)** and **3 screws M5x12 (51)** to a to **8 Nm ± 10%**
3. Tie to the **chain sliding shoe (52)**, the **brake hose (A)**, the **number plate light cable** and the **rear speed sensor cable** with large self-locking **tie (69)**.





CR222 – Rear Brake Hoses Check and Replace if Required

Monster 821 MY 2015–2017 (all versions)

Monster 1200 S/STD MY 2014–2016 (all versions)

Monster 1200 R MY 2016–2019 (all versions)

Technical Service Bulletin SRV-TSB-21-010

Part 5: Vehicle Refitting and Heat Guard Installation

1. Position the crank case breather hose on vertical cylinder head and secure it to head cover using the **2 large self-locking ties (77)**, aiming these latter as shown in the figure.



2. For Monster 1200 R MY 16-19 only:

2 A. Take the new heat guard included in the KIT.





CR222 – Rear Brake Hoses Check and Replace if Required

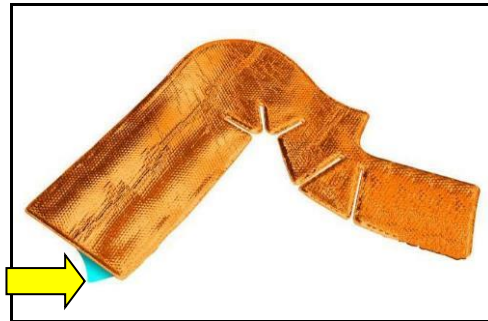
Monster 821 MY 2015–2017 (all versions)

Monster 1200 S/STD MY 2014–2016 (all versions)

Monster 1200 R MY 2016–2019 (all versions)

Technical Service Bulletin SRV-TSB-21-010

- 2 B. Take the new heat reflective sheath included in the KIT and remove the protective film from the back.



- 2 C. Apply the heat reflective sheath on the heat guard aiming it as shown in the figure below.



NOTE

Before applying the heat reflective sheath, make sure that the whole surface on which it will be placed is clean; if it is not so, clean it using a clean cloth. During the application pay attention to avoid any air bubbles between the heat reflective sheath and the heat guard.





CR222 – Rear Brake Hoses Check and Replace if Required

Monster 821 MY 2015–2017 (all versions)

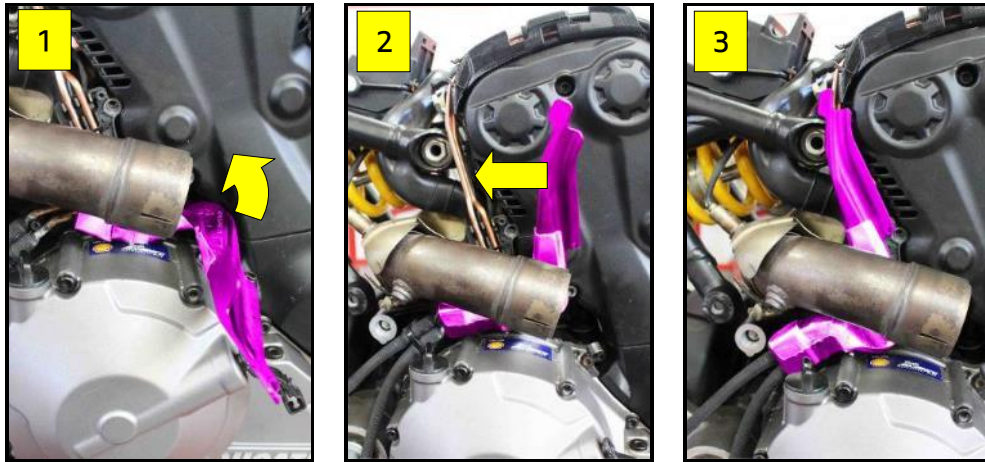
Monster 1200 S/STD MY 2014–2016 (all versions)

Monster 1200 R MY 2016–2019 (all versions)

Technical Service Bulletin SRV-TSB-21-010

2 D. Install the new heat guard following the sequence below:

- fit the heat guard by aiming it as shown in the figure
- turn the heat guard upwards so as to insert it between exhaust manifold and vertical head belt cover guard
- position the heat guard in the relevant seat

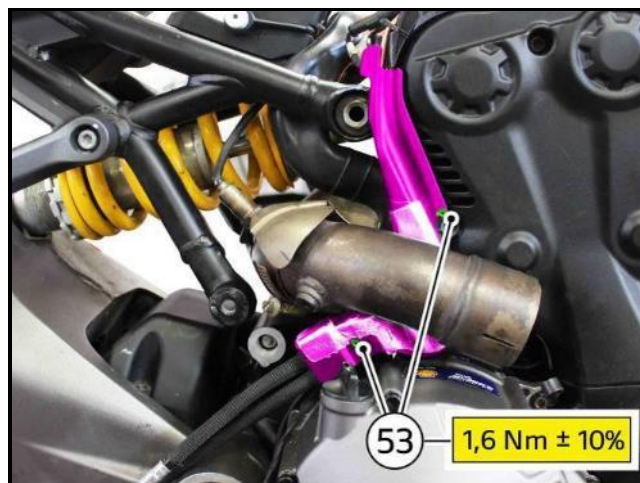


2 E. Tighten the 2 self-tapping screws (53) securing the heat guard to 1.6 Nm ± 10%.



NOTE

Before carrying on with the tightening, start the 2 self-tapping screws (53) taking care to start them in the original thread already present.





CR222 – Rear Brake Hoses Check and Replace if Required

Monster 821 MY 2015–2017 (all versions)

Monster 1200 S/STD MY 2014–2016 (all versions)

Monster 1200 R MY 2016–2019 (all versions)

Technical Service Bulletin SRV-TSB-21-010

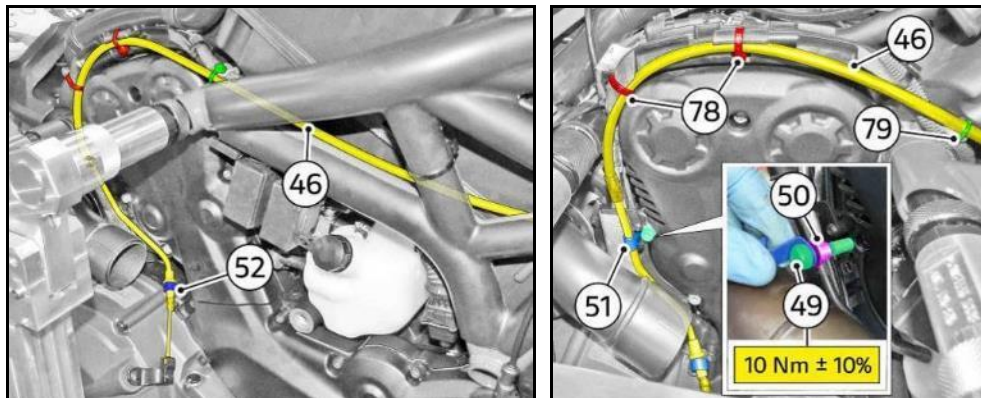
3. **For Monster 821 MY 15-17 and Monster 1200 MY 14-16 models only:**

Install the original heat guard

4. **For Monster 821 model versions, where present:**

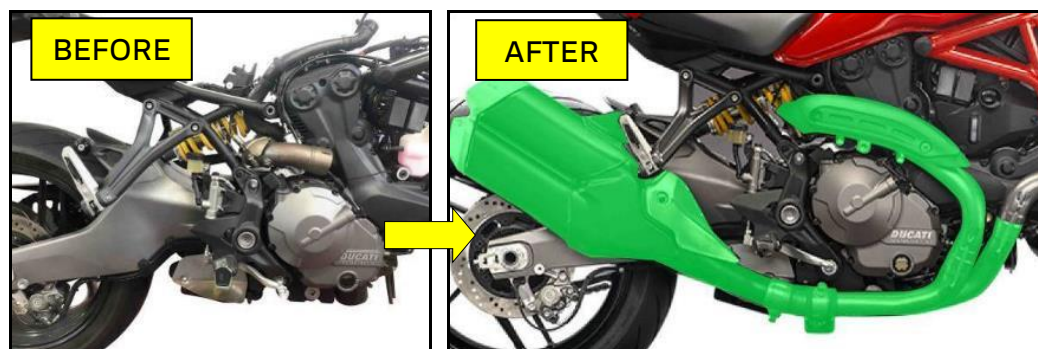
Fit clutch nipple and position **clutch cable (46)** as shown below:

- Route **clutch cable (46)** inside **cable guide (52)**
- Position **clutch cable (46)** inside **cable guide (51)**
- Install **cable guide (51)** with **spacer (50)** and tighten **screw M6x25 (49)** to **10 Nm ± 10%** applying **LOCTITE 243** on threads
- Secure **clutch cable (46)** to wiring protection on vertical head using the **2 large self-locking ties (78)**, aiming these latter as shown in the figure
- Secure **clutch cable (46)** to frame using the small self-locking **tie (79)**, aiming this latter as shown in the figure



5. Fit the vertical head exhaust manifold (See Sec.8: “Fuel/Exhaust system – Exhaust system” of the Workshop Manual 2.0).

6. Fit the silencer (See Sec.8: “Fuel/Exhaust system – Exhaust system” of the Workshop Manual 2.0).





CR222 – Rear Brake Hoses Check and Replace if Required

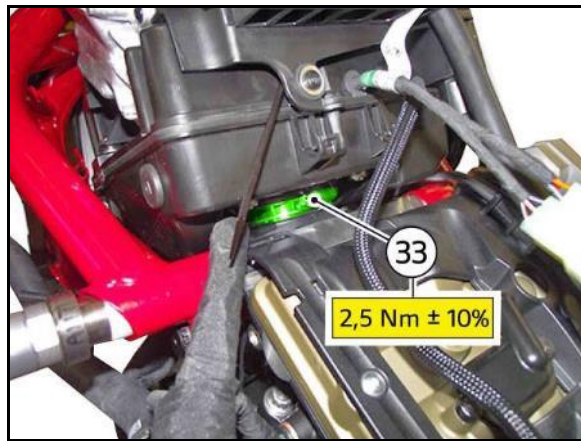
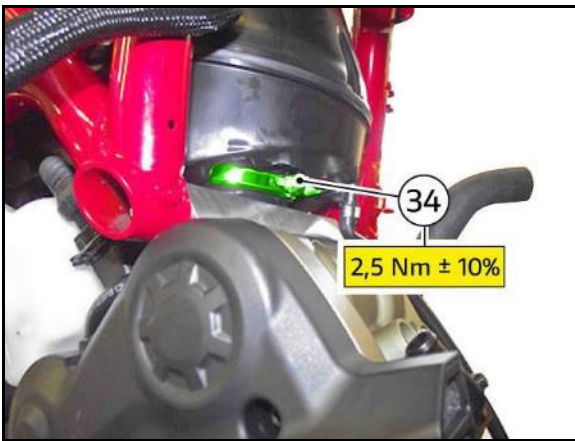
Monster 821 MY 2015–2017 (all versions)

Monster 1200 S/STD MY 2014–2016 (all versions)

Monster 1200 R MY 2016–2019 (all versions)

Technical Service Bulletin SRV-TSB-21-010

7. Remove the adhesive tape from the intake manifolds.
8. Install the Airbox on the vehicle making sure that the two intake manifolds are perfectly fitted inside it.
9. Working on vehicle RH side, fasten the Airbox using **clamp (34)** positioned on the horizontal cylinder head and **clamp (33)** positioned on the vertical cylinder head and tighten them to **2.5 Nm ± 10%**.



10. Working on vehicle LH side:

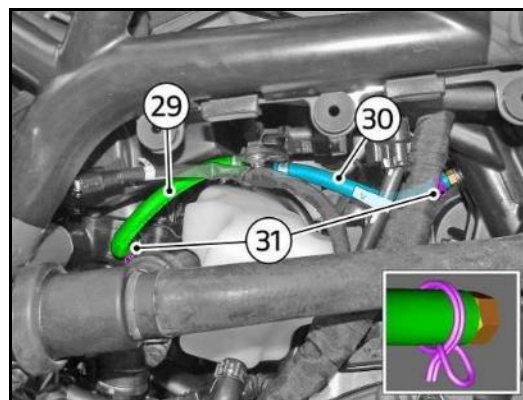
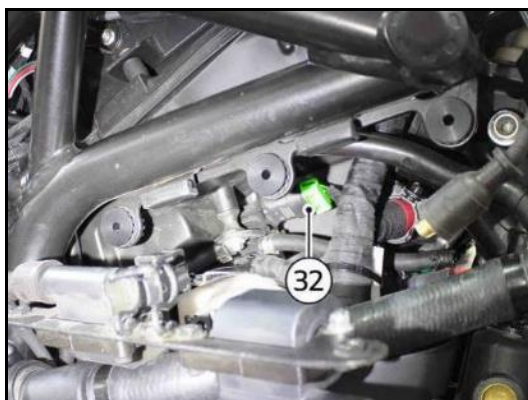
10 A. Connect map sensor **connector (32)**

10 B. Install horizontal head pressure sensor **hose (29)** and vertical head pressure sensor **hose (30)** by applying the **2 clamps (31)**



NOTE

Position clamps with cut parts side facing downwards, as shown in the figure.





CR222 – Rear Brake Hoses Check and Replace if Required

Monster 821 MY 2015–2017 (all versions)

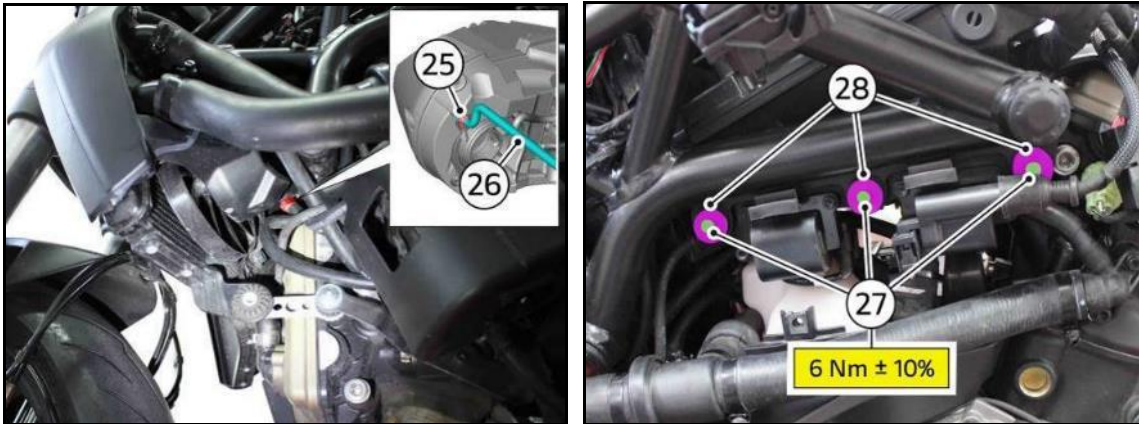
Monster 1200 S/STD MY 2014–2016 (all versions)

Monster 1200 R MY 2016–2019 (all versions)

Technical Service Bulletin SRV-TSB-21-010

10 C. Install Airbox drain hose (26) and secure it with click clamp (25)

10 D. Install the coil support bracket by tightening the 3 screws M5x20 (27) with the relevant spacers (28) to $6 \text{ Nm} \pm 10\%$



10 E. Insert ignition switch connector (24) in the relevant tab present on the Airbox

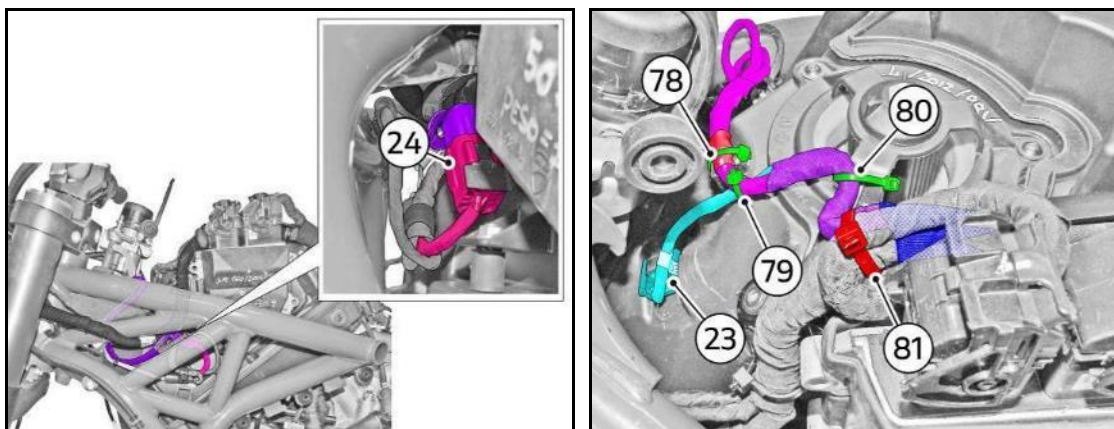
10 F. Connect the air temperature sensor connector (23)

10 G. Using the small self-locking tie (78) join the main wiring front central branch to the airbox clip (close to the red taping and aiming it as shown in the figure)

10 H. Using the small self-locking tie (79) join the main wiring front branch to the air temperature sensor wiring branch (aim it as shown in the figure)

10 I. Using the small self-locking tie (80) join the main wiring front branch to the air filter cover (aim it as shown in the figure)

10 J. Using the large self-locking tie (81) join the ground wiring branch, the ECU wiring branch and the air main wiring front central branch to the main wiring front branch (aim it as shown in the figure)





CR222 – Rear Brake Hoses Check and Replace if Required

Monster 821 MY 2015–2017 (all versions)

Monster 1200 S/STD MY 2014–2016 (all versions)

Monster 1200 R MY 2016–2019 (all versions)

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10 K. Connect **2 connectors (20)** of engine ECU.

10 L. Using the small self-locking **tie (82)** join the main wiring primary front branch to the ECU support (aim it as shown in the figure)

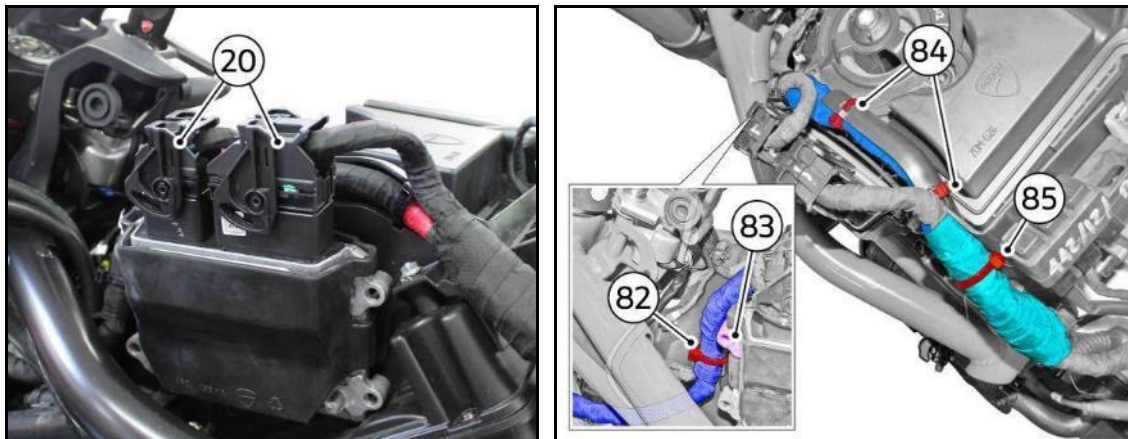


NOTE

The main wiring primary front branch must not interfere with **poppet (83)** of ECU.

10 M. Using the **2 large self-locking ties (84)** join the front branch and the ground jointing braided wiring branch to the control unit-relay support (aim them as shown in the figure)

10 N. Using the large self-locking **tie (85)** join the main branch to the control unit-relay support (aim it as shown in the figure)





CR222 – Rear Brake Hoses Check and Replace if Required

Monster 821 MY 2015–2017 (all versions)

Monster 1200 S/STD MY 2014–2016 (all versions)

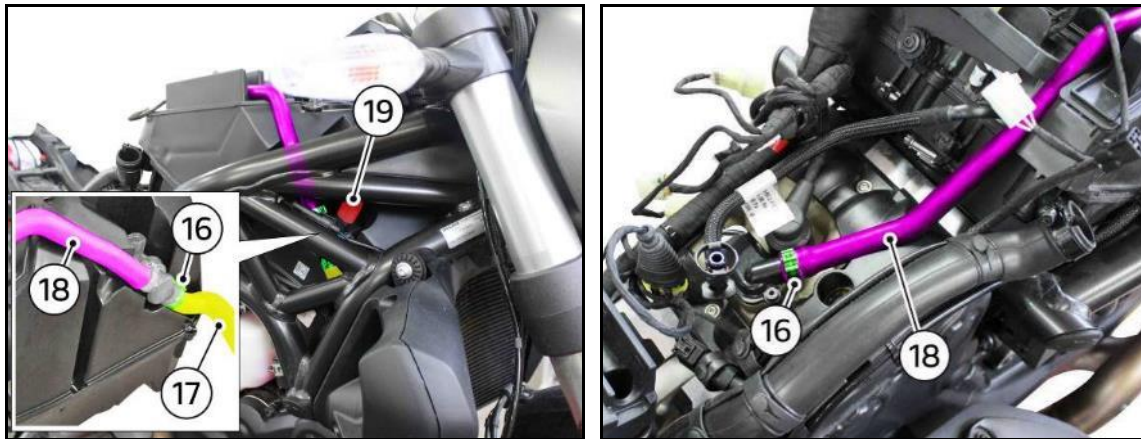
Monster 1200 R MY 2016–2019 (all versions)

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11. Working on vehicle RH side:

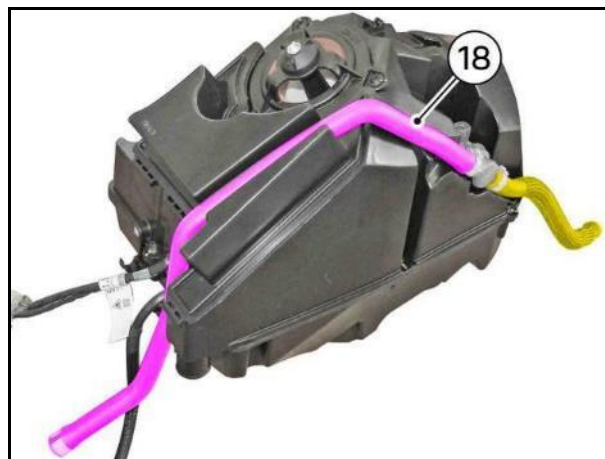
11 A. Connect secondary air (AIS) connector (19)

11 B. Install horizontal head secondary air hose (17) and vertical head secondary air hose (18) by fastening them with the 2 click clamps (16)



NOTE

Make sure that secondary air hose (18) is correctly positioned on the Airbox.





CR222 – Rear Brake Hoses Check and Replace if Required

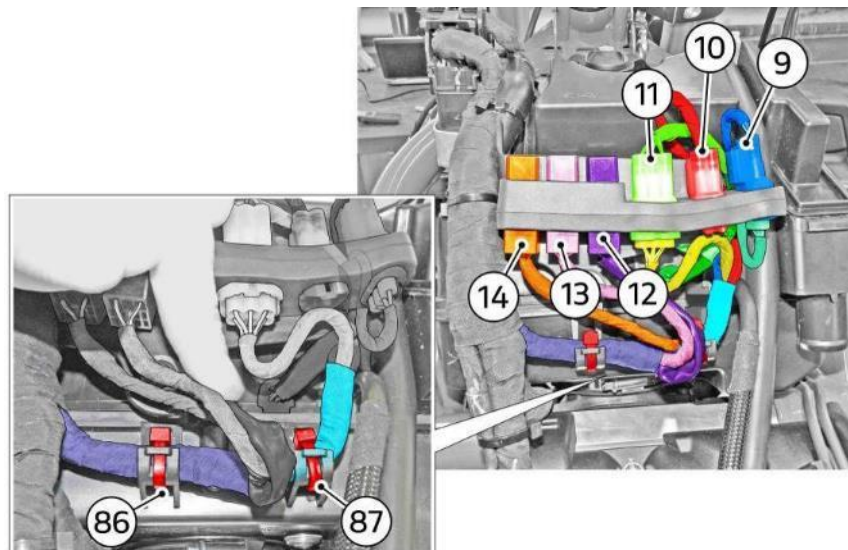
Monster 821 MY 2015–2017 (all versions)

Monster 1200 S/STD MY 2014–2016 (all versions)

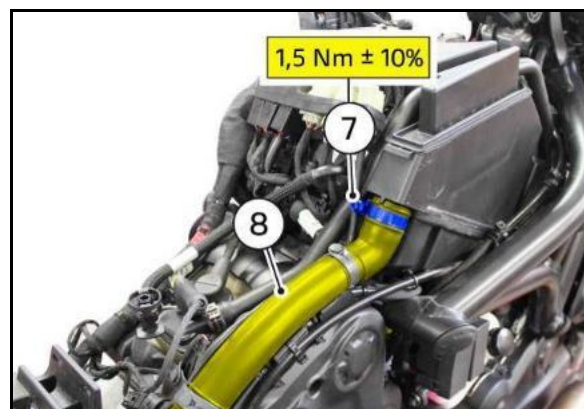
Monster 1200 R MY 2016–2019 (all versions)

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12. Connect injector wiring **connector (9)**, vertical lambda sensor **connector (10)**, potentiometer wiring **connector (11)** and insert starter **relay (12)**, injection **relay (13)** and fuel pump **relay (14)** in the relevant support as shown in the figure.
13. Using the large self-locking **tie (86)** join the main wiring primary central branch to the airbox lower cover (aim it as shown in the figure).
14. Using the large self-locking **tie (87)** join the main wiring secondary central branch to the airbox lower cover (aim it as shown in the figure).



15. Fit the crank case breather **hose (8)** on the Airbox and tighten **clamp (7)** to **1.5 Nm ± 10%**.





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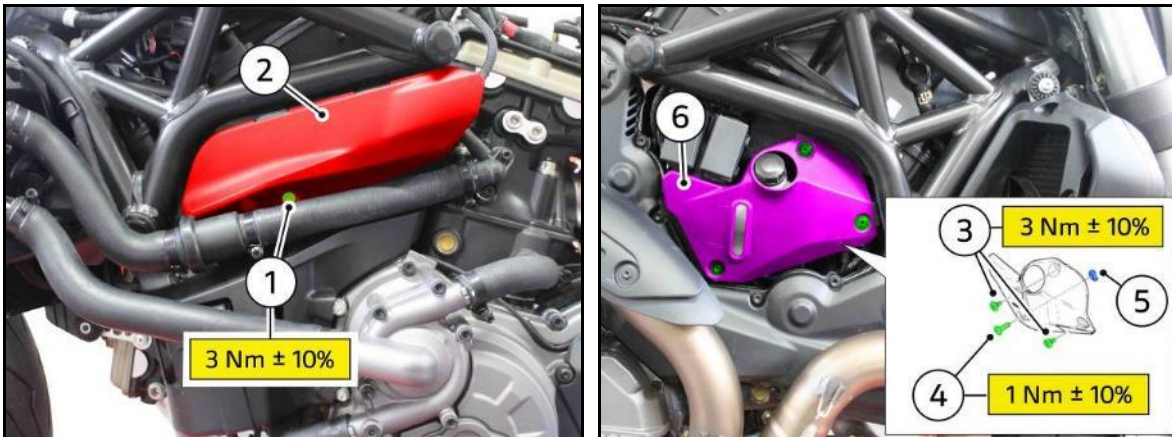
Monster 821 MY 2015–2017 (all versions)

Monster 1200 S/STD MY 2014–2016 (all versions)

Monster 1200 R MY 2016–2019 (all versions)

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16. Working on the LH side, install **cover (2)** tightening **screw M5x10 (1)** to **3 Nm ±10%**.
17. Working on the RH side, install the coolant reservoir **cover (6)** and tighten the **2 screws M5x9 (3)** to **3 Nm ± 10%** and **screw M6x22 (4)** with relevant **spacer (5)** to **1 Nm ± 10%**.



18. Fit the fuel tank (See Sec.8: “Fuel/Exhaust system – Fuel tank” of the Workshop Manual 2.0)
19. Start the engine and keep it at idle until reaching the fan activation condition
20. Connect the DDS 2.0 or DDS 3.0 diagnosis instrument and run a Global Scan
21. Mount the seat



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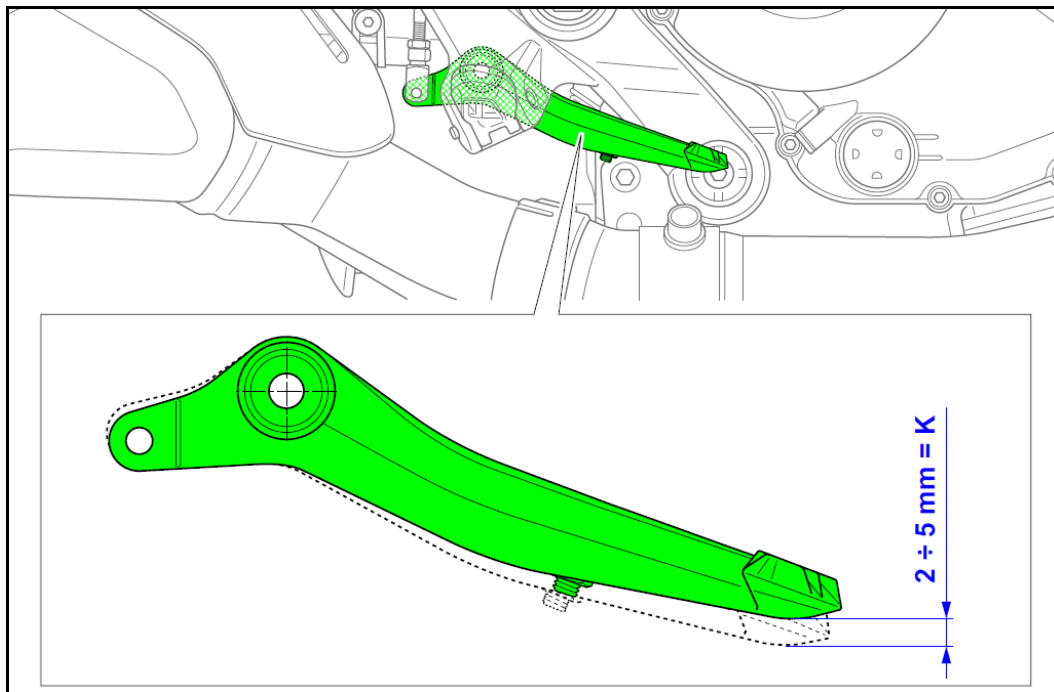
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WARNING

Before measuring the heights (A) and (B) for the brake pedal travel check, always check that the free play travel of the rear brake lever is correct (between 2 mm to 5 mm)

Remember that the idle stroke refers to the stroke performed by the brake cylinder control rod before operating the pump. If the idle stroke is outside the specified values, it must be adjusted again using the adjustment screw on the control rod





CR222 – Rear Brake Hoses Check and Replace if Required

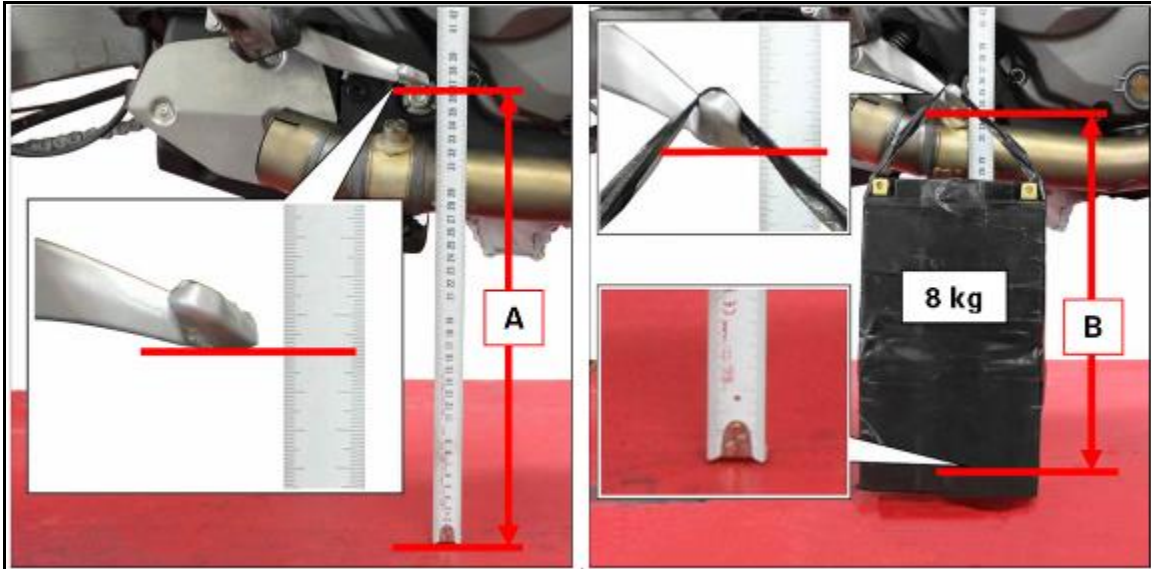
Monster 821 MY 2015–2017 (all versions)

Monster 1200 S/STD MY 2014–2016 (all versions)

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



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

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

25. Road test 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**
26. Measure again the rear brake lever stroke as referred to in steps 22 and 23



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.

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

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



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28. Compare the 2 stroke values of the rear brake lever.

- If a stroke increase of the rear brake lever is detected, repeat the complete bleed procedure.
- Once the new bleeding procedure is completed, check that the stroke of the rear brake lever has not increased.

29. Remove the motorcycle from the rear paddock stand

30. Perform a soft cleaning of the motorcycle before delivering it to the Customer

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