



Model Year 2016 Hypermotard 939 and Hyperstrada 939 Introduction  
Models: 2016 Hypermotard 939; Hypermotard 939 SP; Hyperstrada 939 (all model versions, all country versions)

## Service Bulletin SRV-SRB-16-009

Date: February 22, 2016  
To: Dealer Principal, General Manager, Service Manager, and Service Technician  
From: Richard Kenton, Technical Director; Jonathan LaForte, Technical Manager

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Dear Ducati Dealer,

Ducati is pleased to provide further details regarding service strategy for the Model Year 2016 Hypermotard 939 and Hyperstrada 939; which will complete the information that you've already received, or that you will receive, during the technical courses at our training centers.

This document contains important information to prepare the vehicle for riding, provide information to the Customer when delivering the bike along with instructions for vehicle maintenance.

Please be reminded that during the first 6 months (until 7/31/2016) any and all faults found on the motorcycle must be communicated through YouTech, including a detailed description and picture(s). Warranty claim approval is dependent upon these reports (this process does not apply to service under Campaigns, Technical Bulletins or Tips & Tricks).

Here follows a recap of the status of all Service operations associated with this model:

Technical Training	Under delivery from DMH
Spare parts catalogue	Already available on DCS
Workshop manual	Available by February on DCS
DDS Diagnosis 2.0	Already available for download (update 6.0.3)
Maintenance chart	Attached to Service Bulletin SRV-SRB-16-002
Pre-delivery checks	Attached to this Service Bulletin
Flat rate tables	Available by February on DCS
Owner's manual	Already available on Ducati.com website under section Dealers/Service/Maintenance



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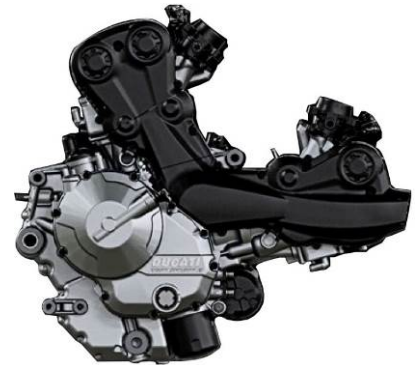
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- **Main new technical features**

### **Testastretta 11° 939 engines:**

- Displacement: 937cc
- Compression ratio 13.1:1
- Max. power: 83.1 kW (113 HP) @ 9,000 rpm
- Max. torque: 97.9 Nm (10 kg) @ 7,500 rpm
- Bore: 94 mm
- New cylinder heads (different water passages)
- New crankshaft with Ø42 mm crank pin
- Flywheel flange with built-in starter clutch race (one piece)
- Modified clutch cover and new generator cover
- New FCC clutch with specific springs
- Different design of belt covers



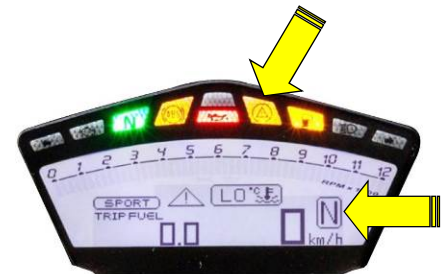
### **Vehicle:**

- EURO 4
  - Long silencer
  - New catalytic converter
  - Canister filter
  - Side reflectors (1 per side)
  - Frame with Purge Valve support plate
- Z43 rear sprocket
- Hand guards deriving from DP version, with LED turn indicators
- Oil cooler



### **Electronics:**

- Gear engaged indication on instrument panel
- MIL warning light and emission relevant errors








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- *Versions*

VERSION	STANDARD EQUIPMENT									
<p><b>HYPERMOTARD 939</b></p>  	<ul style="list-style-type: none"> <li>• Riding Modes</li> <li>• Power Modes</li> <li>• Ducati Traction Control (DTC)</li> <li>• Full Ride by Wire</li> <li>• LCD instrument panel with dot matrix area</li> <li>• Bosch - Brembo ABS 9M braking system</li> <li>• Preset for anti-theft system, heated handgrips, satellite navigator</li> <li>• Pirelli Diablo Rosso II tires</li> <li>• 43-mm upside-down fork</li> <li>• Sachs monoshock, with rebound damping and spring preload adjustment by means of ring nuts</li> </ul> <p style="text-align: center;"><b>COLORS</b></p> <table border="1" data-bbox="764 1060 1511 1178"> <thead> <tr> <th><i>Bodywork</i></th> <th><i>Frame</i></th> <th><i>Rims</i></th> </tr> </thead> <tbody> <tr> <td>Red</td> <td>Red</td> <td>Black</td> </tr> <tr> <td>Star White Silk</td> <td>Red</td> <td>Black</td> </tr> </tbody> </table>	<i>Bodywork</i>	<i>Frame</i>	<i>Rims</i>	Red	Red	Black	Star White Silk	Red	Black
<i>Bodywork</i>	<i>Frame</i>	<i>Rims</i>								
Red	Red	Black								
Star White Silk	Red	Black								
<p><b>HYPERMOTARD 939 SP</b></p> 	<p>It differs from standard version in:</p> <ul style="list-style-type: none"> <li>• Fully adjustable Öhlins fork</li> <li>• Fully adjustable Öhlins monoshock</li> <li>• Marchesini forged rims</li> <li>• Aluminum variable section handlebar</li> <li>• Carbon fiber front mudguard and belt covers</li> <li>• Pirelli Supercorsa SP tires</li> </ul> <p style="text-align: center;"><b>COLORS</b></p> <table border="1" data-bbox="764 1598 1511 1682"> <thead> <tr> <th><i>Bodywork</i></th> <th><i>Frame</i></th> <th><i>Rims</i></th> </tr> </thead> <tbody> <tr> <td>Red Corse Stripe</td> <td>Red</td> <td>Black</td> </tr> </tbody> </table>	<i>Bodywork</i>	<i>Frame</i>	<i>Rims</i>	Red Corse Stripe	Red	Black			
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### HYPERSTRADA 939



**WARNING:** We remind you that Hyperstrada 939 can be sold with three possible seat height combinations, obtained through two different seats and two types of suspensions.

Hence, there is a difference on front and rear suspensions part no. between standard and lower versions, as well as length of side stand (2 different part no.) and central stand (2 different part no.).

It differs from standard version in:

- Semi-rigid side panniers (50l) with integrated supports
- Touring windscreen
- Touring seat
- Passenger grab handle
- Central stand
- Larger front and rear mudguards
- Sump guard
- Two 12V power sockets
- Pirelli Scorpion Trail tires
- Sachs monoshock, with rebound damping and spring preload adjustment by means of remote hydraulic press
- Original equipment seat heights:

<b>SEAT HEIGHTS ORIGINAL EQUIPMENT</b>	
<b>850 mm</b> EUR/AUS/CAL/CDN	Suspensions – STANDARD
	Seat – STANDARD
<b>830 mm</b> EUR/AUS/CAL/CDN (MADE TO ORDER ONLY)	Suspensions – LOWERED
	Seat – STANDARD
<b>810 mm</b> ONLY JAP and APAC	Suspensions – LOWERED
	Seat – LOW

### COLOURS

<b>Bodywork</b>	<b>Frame</b>	<b>Rims</b>
Red	Black	Black

- **Vehicle pre-delivery**

The PDI Check-List is attached to this Service Bulletin (**Ed.02/16**) and includes all operations required during the pre-delivery inspection; please print out and use this document any time you are inspecting Hypermotard 939, Hypermotard 939 SP and Hyperstrada 939 Model Year 2016 for PDI, deliver a copy to the final Customer and file another one together with the relevant work order.



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## DUCATI SERVICE

### PRE-DELIVERY - Check List



- **Check of the supplied kit completeness**

Check the supplied kit completeness and for Hyperstrada 939 also side panniers kit. All bikes come with 2 keys associated to 3 lock nipples on side panniers and top case, all in the underseat equipment kit.



**NOTE (only Hyperstrada 939)**

Show Customer the use of **2 M8x14 screws (1)** on supplied kit.

These are used to restore front **number plate holder (2)** connection if side panniers support is removed.

In that case, tighten the **2 M8x14 screws (1)** to a torque of **20 Nm ± 10%**.





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- **Hand guard assembly (if required)**

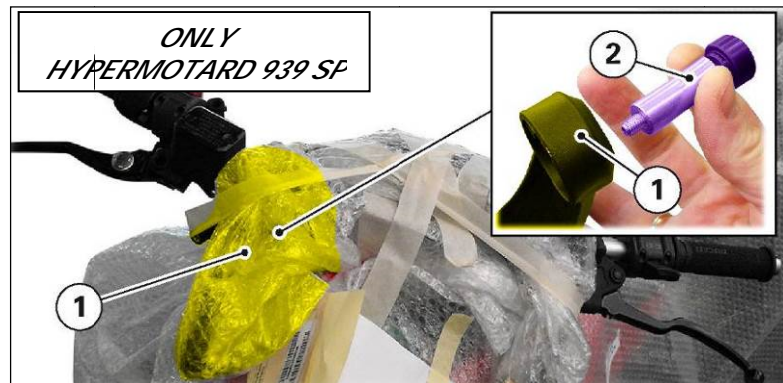
Here below are the instructions for RH hand guard assembly, follow the same procedure for LH:

1) Remove hand guard assembly from protective packaging.

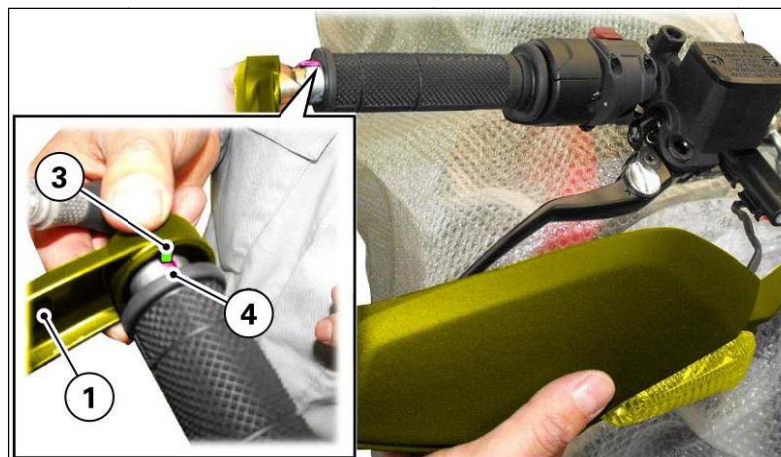


**NOTE (only Hypermotard 939 SP)**

While removing the packaging, check that **counterweight (2)** is correctly placed on **hand guard (1)**.



2) Place **hand guard (1)** on handlebar inserting its **reference notch (3)** on handlebar **groove (4)**.

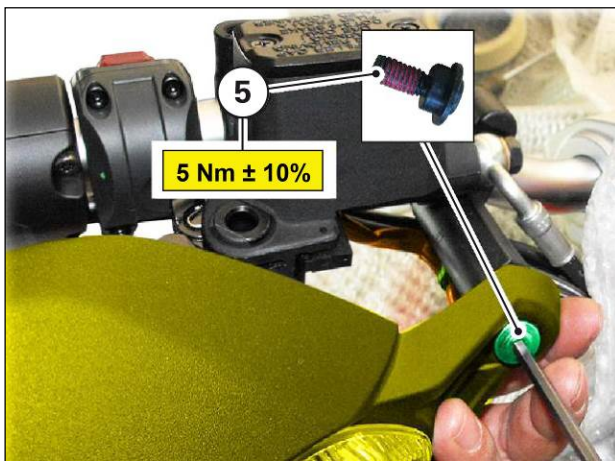




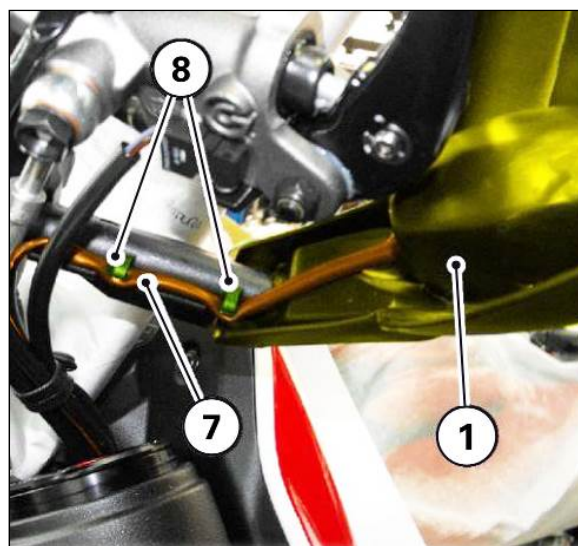
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- 3) Remove **M6x1 screw (5)** with pre-applied threadlocker started on handlebar. Fit the **hand guard (1)** and tighten **M6x1 screw (5)** to a torque of **5 Nm ± 10%**.
- 4) Tighten **counterweight screw (6)** as follows:
  - keep **hand guard (1)** end turned downwards;
  - keep counterweight screw (6) pressed to the internal side of the handlebar;
  - tighten the **counterweight screw (6)** to a torque of **10 Nm ± 10%**.



- 5) Insert **hand guard (1)** assembly **wiring (7)** into their **cable rings (8)**.





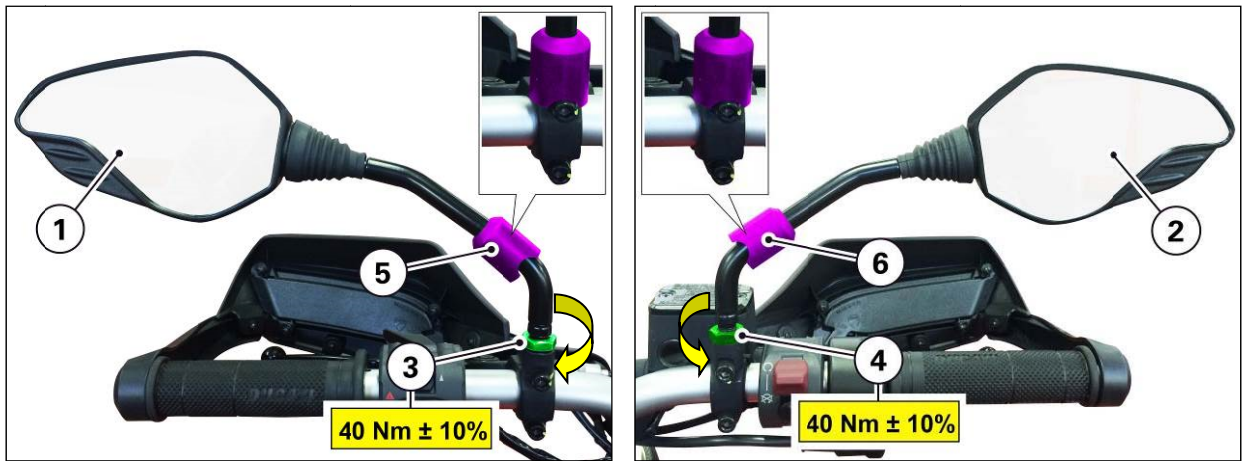
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- **Rear view mirror assembly**

1) Tighten the **LH mirror (1)** clockwise and **RH mirror (2)** counter clockwise, respectively.

Tighten **lock nuts (3)** and **(4)** to a torque of  **$40\text{ Nm} \pm 10\%$**  and fit protection **seals (5)** and **(6)** as shown in the figure.



2) Apply the 2 "DESMO SERVICE 30000" stickers on the glass of the rear-view mirrors.



### NOTE

For CAL and CDN versions, apply the following stickers on both mirrors:

OBJECTS IN MIRROR ARE  
CLOSER THAN THEY APPEAR  
CHG.43311861A

OBJECTS IN MIRROR ARE  
CLOSER THAN THEY APPEAR  
CHG.43311861A

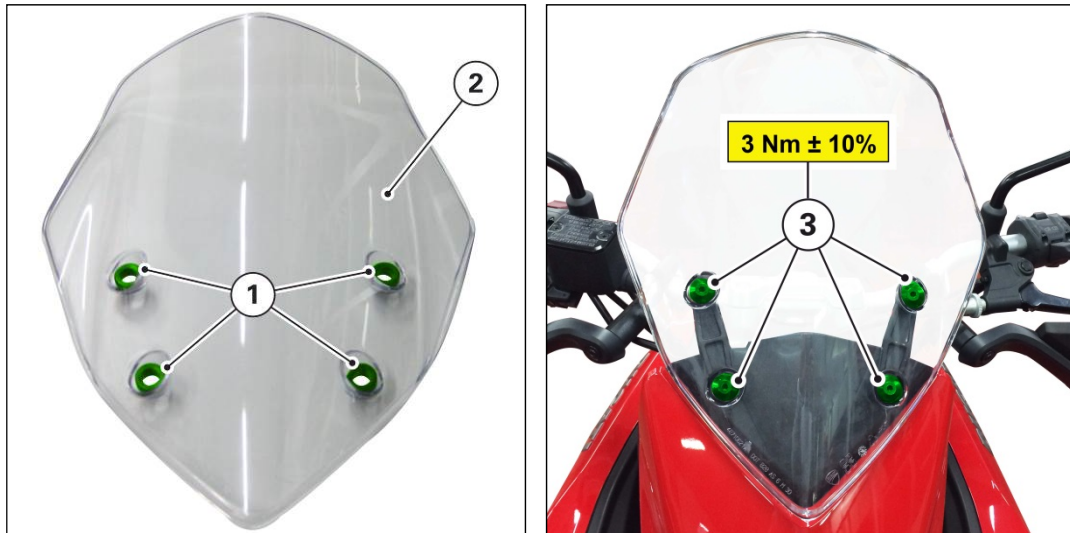


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- **Plexiglass assembly (only Hyperstrada 939)**  
Fit **4 seals (1)** into **windscreen (2)** holes using soapy water.

Place **windscreen (2)** on its support starting **4 M5x8,5 screws (3)** and tighten to a torque of **3 Nm ± 10%**.



- **Battery preparation**



### **WARNING**

Read carefully filling, charging and installation instructions before operating on the battery.

After filling the electrolyte, it is necessary to let the battery rest for at least 30 minutes.

Always charge the battery upon the first operation and after long storage periods – such as before selling the vehicle. Leaving the battery discharged for more than one month could damage it.

Only use constant voltage battery chargers (as specified under Bulletin 909-SAT, Ducati Service approved battery chargers for lead-acid batteries are the following: Yuasa: MB2023, MB2020, MB2040, MB2060 and TecMate: BatteryMate 150-9, BatteryMate 60-3, Optimate Pro Series).

Check that battery terminals are properly connected to the battery charger.

To recharge the battery, follow the instructions on the battery; for more details, refer to the table:

Type of charging	Volt (V)	Ampere (A)	Time (Hours)
Normal	12	0.9	5 ÷ 10

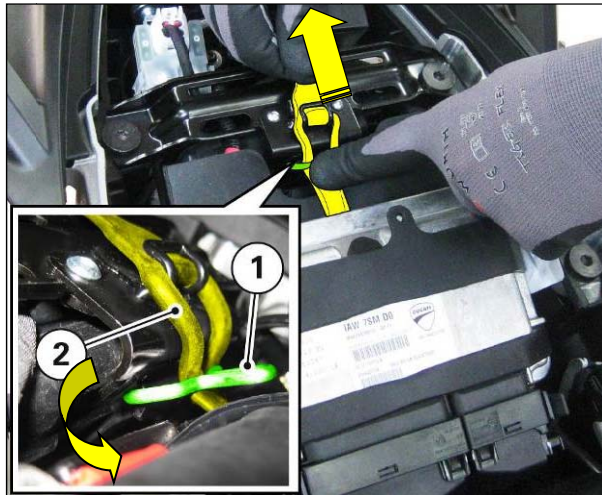


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- **Battery installation**

1) Release the locking **metal ring (1)** and the **sealing ring (2)** in sequence.



2) Lift battery mount assembly without disconnecting electrical components.

3) Insert battery in its mount.



### **NOTE**

We recommend lubricating the side areas of the battery with soapy water to help it slide into the rubber elements.



4) Restore battery mount assembly on its seat.

5) Connect the **vehicle positive cable (3)** and the **ABS positive cable (4)** to battery positive terminal and the **negative cable (5)** to negative terminal.



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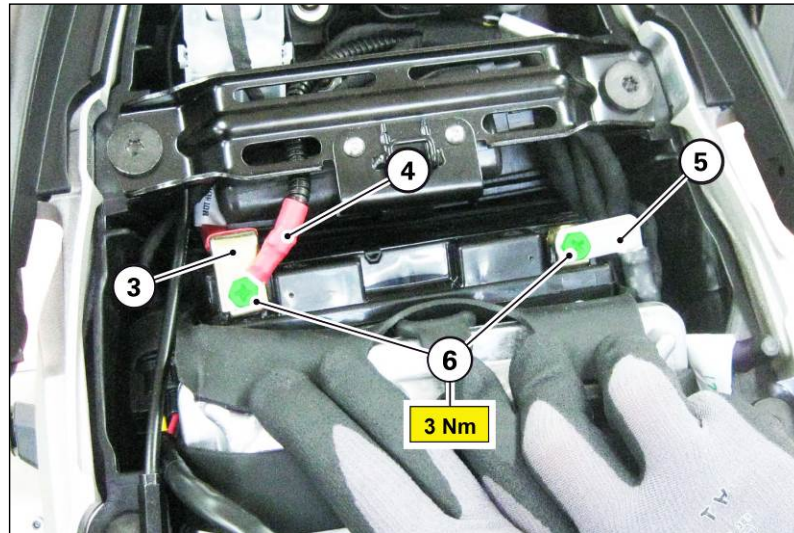
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Tighten the **2 screws (6)** to a torque of **3 Nm**.

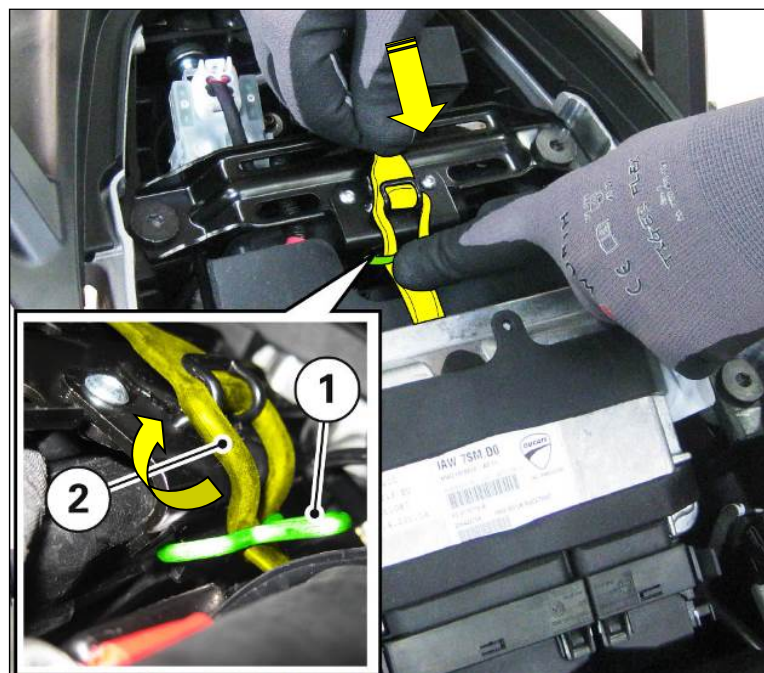


### WARNING

Thoroughly respect **cable (3)**, **(4)** and **(5)** positioning, as shown in the figure.



6) Hook the end of **sealing ring (1)** and the locking **metal ring (2)** in sequence.





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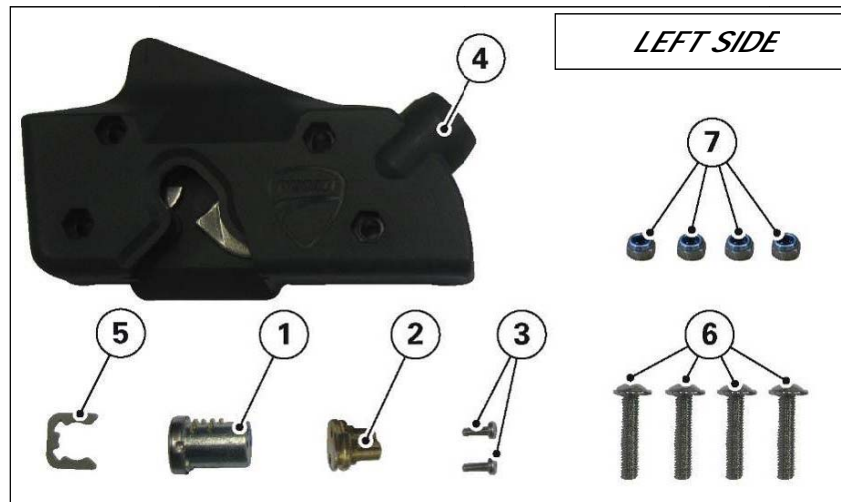
- **Lock tumbler assembly on side panniers (only Hyperstrada 939)**



### NOTE

Below is the LH side pannier lock assembly procedure, repeat the same operations for RH side pannier.

- 1) Take lock **tumblers (1)** from underseat kit.
- 2) Take lock assembly kit from inside side panniers.
- 3) Check pannier supplied kit completeness before assembly.



Pos.	Description	Q.ty
1	Lock tumbler	1
2	Lock cam	1
3	Self-threading screws to fasten lock cam to tumbler	2
4	Upper pannier support	1
5	Lock nipple assembly retaining clip	1
6	Upper pannier support retaining screws	4
7	Upper pannier support retaining nuts	4

- 4) Secure **cams (2)** to **lock tumbler (1)** using **2 M2.5x8 self-threading screws (3)**.



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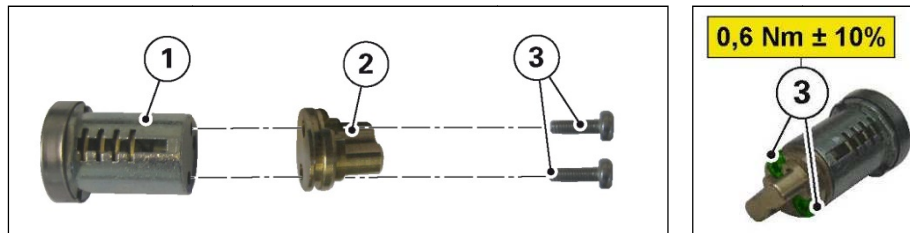
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### WARNING

Lock nipple holes are NOT threaded, so use self-threading screws (3).  
Secure with care.

Tighten the **2 M2.5x8 self-threading screws (3)** to a torque of **0.6 Nm ± 10%**.



5) Pre-apply high viscosity grease to tumbler assembly.



6) Insert tumbler assembly into **upper pannier support (4)**.



### WARNING

Check tumbler correct orientation as shown; with the projecting side upwards.

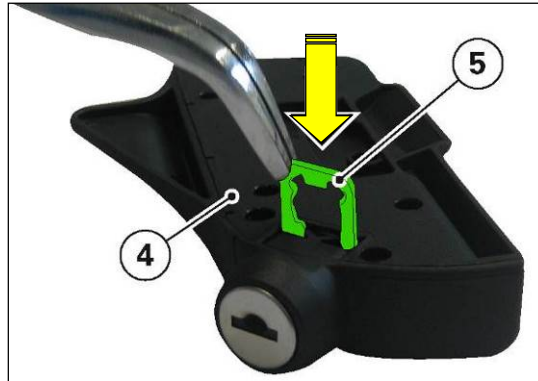




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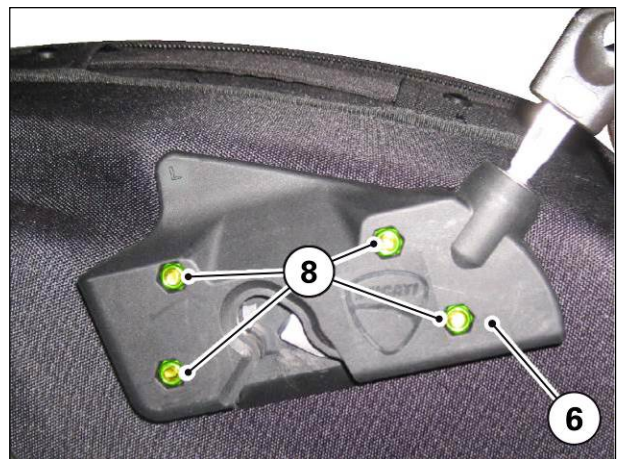
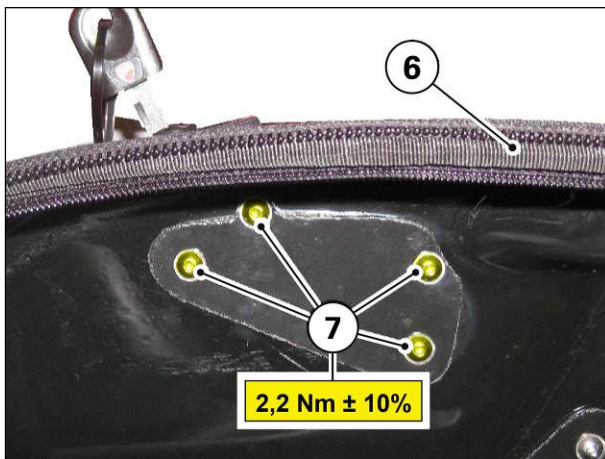
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- 7) Insert tumbler retaining **clip (5)** into **upper pannier support (4)**.



- 8) Open **LH side pannier (6)** and shell internal zip on support side.  
9) Remove 4 screws and 4 service nuts from pannier close to upper pannier support connection.  
10) Insert **4 retaining screws (7)** in the relevant holes inside the bag facing outwards.  
11) Insert **upper pannier support (4)** on **4 screws (7)** and start **4 nuts (8)**.

Tighten the **4 screws (7)** to a torque of **2.2 Nm ± 10%**.



- 12) Restore internal zip closure on support side shell.  
13) Check lock correct operation on bike connection.

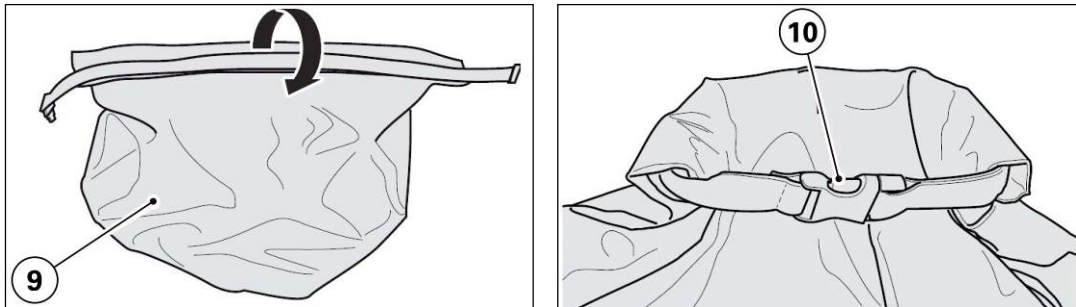
In case of rain, protect side panniers content with the **waterproof bags (9)** inside.



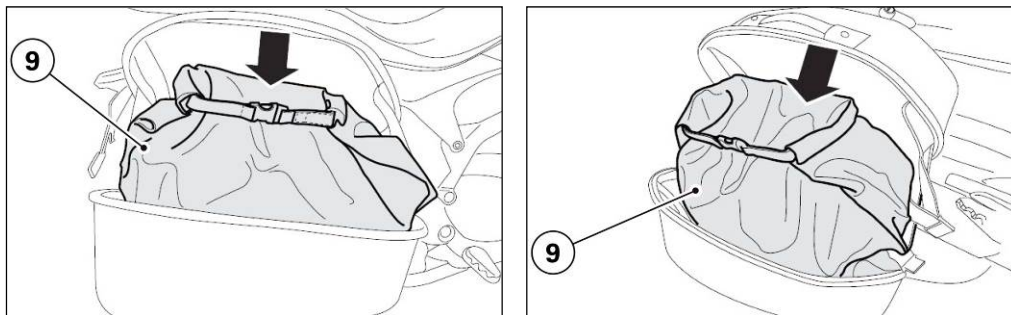
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To ensure water isolation, the edge of the covers must be folded back on itself **THREE** times, then the **hook (10)** must be closed from the opposite side of the fold (as shown in the figure).



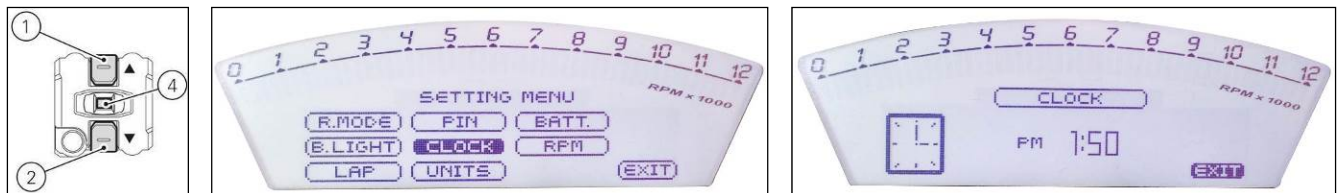
ALWAYS place the bag **(9)** into side pannier with folded part facing up.



- **Clock setup**

To set the clock select the "CLOCK" function in the setting menu; with **buttons (1) and (2)** of LH switchgear and confirming with **button (4)**, you can set and confirm the time.

Possible adjustments are indicated in the menu (AM/PM, HOURS, MINUTES).



To confirm (memorize) the new set time, press the button (4) and then, confirming "EXIT", it will return to setting menu. To exit, press the button (4) near "EXIT" indication.



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- **Vehicle scheduled maintenance plan**

The maintenance plan described in this document is the same that will be communicated to Customers through all Ducati's means of communication; we trust that you cooperate in complying with indicated times and operations for the various scheduled maintenance service operations:

<i>TYPE OF SCHEDULED MAINTENANCE</i>	<i>TIME (hours)</i>
<i>OIL SERVICE 1000</i>	<i>1.5</i>
<i>OIL SERVICE</i>	<i>2.0</i>
<i>ANNUAL SERVICE</i>	<i>1.4</i>
<i>DESMO SERVICE</i>	<i>6.0</i>

Hereinafter is an indication of execution times associated with the main operations with set time intervals:

<i>INTERVENTION TYPE</i>	<i>TIME (hours)</i>
Change brake fluid (Every 36 months)	<i>0.4</i>
Change front fork fluid (Every 45,000 km/27,000 mi)	<i>0.8</i>
Change coolant (Every 45,000 km/27,000 mi or 48 months)	<i>0.6 *</i>

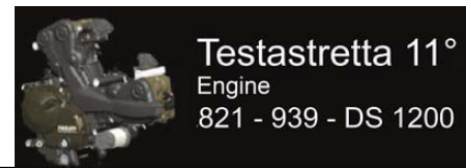
\* time not to add to Desmo Service operation

Scheduled maintenance operations remain unchanged from last Model Year, with the only difference regarding "Clean the engine oil filter assembly" which now has to be performed every 15,000 km (besides from Oil Service 1000).

Scheduled maintenance Check List (**Ed.02/16**) has already been published attached to Service Bulletin SRV-SRB-16-002 "Introducing Monster 1200 R Model Year 2016".

## **DUCATI** **SERVICE**

### **Scheduled Maintenance**



Please print a color copy of this form, fill it in thoroughly and provide to the Customer (keep a copy attached to work order).



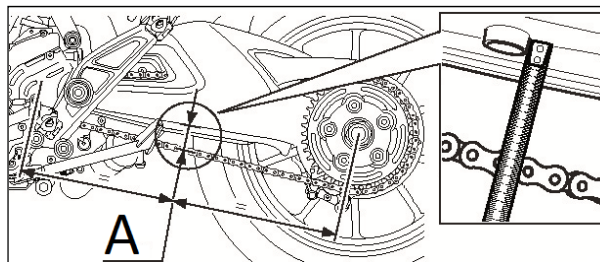
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- **Useful information for scheduled maintenance**

<i>Top-ups</i>	<i>Type</i>	<i>Qty</i>
Engine oil	SHELL - Advance 4T Ultra 15W-50	3.35 cu.dm (liters)
Front fork	SHELL Advance Fork 7.5 or Donax TA	See specific manual
Cooling circuit	ENI Agip Permanent Spezial	2.4 cu.dm (liters)

- 1) Tightening torque values for safety related parts tightening check:
  - Front brake disc screws: 30 Nm ±5% + pre-applied threadlocker;
  - Rear brake disc screws: 25 Nm ±5% + pre-applied threadlocker;
  - Front brake caliper screws: 45 Nm ±5% + Shell GADUS S2 V220 AD 2;
  - Rear brake caliper screws: 25 Nm ±5% + Shell GADUS S2 V220 AD 2;
  - Front wheel nut: 63 Nm ±5% + Shell GADUS S2 V220 AD 2;
  - Rear wheel shaft nut (on rear sprocket side): 156 Nm ±5% + Shell GADUS S2 V220 AD 2;
  - Rear wheel shaft nut (on rim side): 176 Nm ±5% + Shell GADUS S2 V220 AD 2;
  - Final drive front sprocket screw: 186 Nm ±5% + Shell GADUS S2 V220 AD 2;
  - Frame/engine fastener: 60 Nm ±5% + Shell GADUS S2 V220 AD 2 on thread and underhead;
  - Frame/subframe fastener: 24 Nm ±5%;
  - Rear sprocket fastener: 48 Nm ±10% + Shell GADUS S2 V220 AD 2.
- 2) Final drive chain tensioning



<i>Reference model version</i>	<i>Tensioning value – A (mm)</i>
Hypermotard	64 ÷ 66
Hypermotard SP	68 ÷ 70
Hyperstrada (STANDARD suspensions)	60 ÷ 62
Hyperstrada (LOWERED suspensions)	54 ÷ 56



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- 3) Assembly and valve clearance check values. The time indicated includes adjustment of all valves, and the cost includes purchase of 4 closing shims and 4 opening shims, since it is assumed that replaced shims can be reused by dealer:

		<i>Assembly value</i>	<i>Check value</i>
Opening Rocker Arm	Intake	0.13 ÷ 0.18 mm	0.10 ÷ 0.25 mm
	Exhaust	0.13 ÷ 0.18 mm	0.10 ÷ 0.25 mm
Closing Rocker Arm	Intake	0.05 ÷ 0.10 mm	0.05 ÷ 0.15 mm
	Exhaust	0.05 ÷ 0.10 mm	0.05 ÷ 0.15 mm

- 4) Tire pressure:

	<i>Front: 120/70 ZR17</i>	<i>Rear:180/55 ZR17</i>
Hypermotard – Hyperstrada (only rider)	2.5 bar	2.5 bar
Hypermotard – Hyperstrada (with passenger)	2.5 bar	2.9 bar

Please be reminded that the technical information contained in this document may undergo changes. We recommend always checking such information against the data provided on the workshop manual and dedicated technical bulletins. Please forward any comments you may have regarding the data contained in the Pre-delivery and Scheduled Maintenance Check list forms to your Area Manager. We feel confident that these new tools will help improve transparency towards our Customers, and consequently their loyalty toward both Ducati and your Dealership's Service. We thank you in advance for your attention and cooperation.

Ducati North America Service Department