



Montesa

COT2300 RR



FULL POWER VERSION 2017
ONLY FOR COMPETITION PURPOSE

KIT FULL POWER SPARE PARTS

DESCRIPTION	QUANTITY	SPARE PARTS P/N
KIT FULL POWER, COMPLET	1	01840-NN4-3RR
• RIVET BLIND 4.0	5	18326-NN4-G10
• PIPE COMP EXH	1	18330-NN4-L70
• CAP COMP END	1	18338-NN4-L40

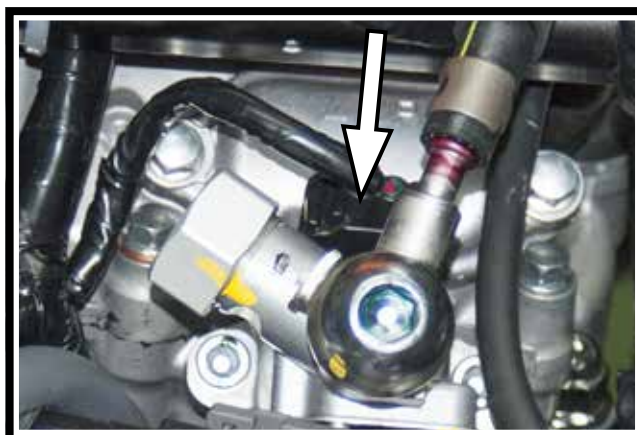
SUBSTITUTION PROCESS

Modifying the power curve

- Remove the rear fender.
Remove the top screws, side screws and the rear fender bracket screws.
- Remove the fuel tank.
Remove the front screw.
Do not lift the tank.
- Remove the fuel injector holder.



- Disconnect the injector by pressing the clips on the sides.



⚠ WARNING

Carefully lift the petrol tank, being careful not to pull abruptly as the fuel hoses are connected and could be damaged.

- Remove the engine breather hose from the cylinder head cover.
- Remove the fuel breather tube from the lower front of the fuel tank.
- Disconnect the fuel pump black connector (2P).
- If you want to keep all the original components (meter panel, headlight, wipers, light switch) keep reading this manual on page 5.
- If you want to replace this components using 2017 Headlight Kit, you need to read Kit 300RR 2017 Manual in page 4 (2017 Headlight Kit replacement procedure).
- Once replaced, keep reading this manual in page 5 (Muffler terminal replacement).



- Remove the fuel tank.



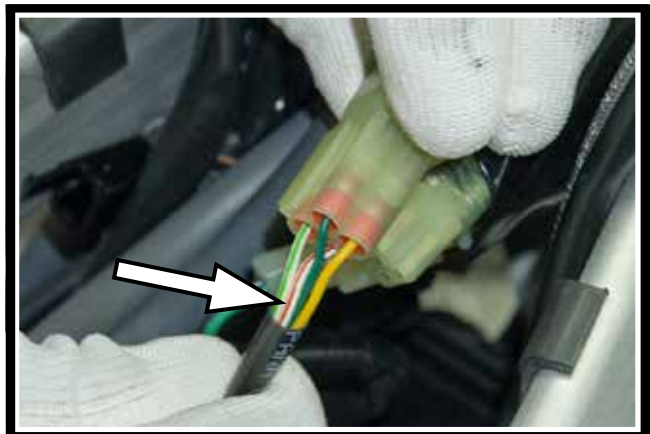
- Remove the connectors from the protective cable cover.



- Disconnect the lights connector



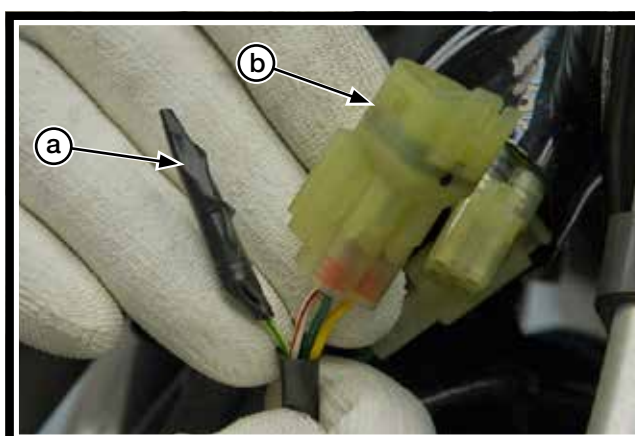
- Disconnect the WHITE / GREEN cable from the clamp.



- Remove the wire by pressing on the inside of the connector using a wire remover.



- Completely remove the cable from the clamp and protect it with insulating tape (a).
- Reconnect the lights connector (b).



- Cover the connectors with the cable guard.



Muffler terminal replacement.

- Remove the protective cover from the muffler.



- Remove the exhaust pipe clamp.



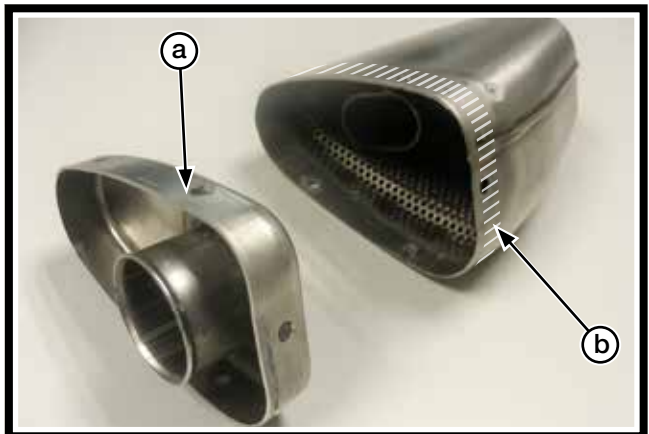
- Remove the silencer attachment bolt (a).
- Remove the muffler.



- Remove the five rivets on the muffler terminal.
Use a drill (Ø4 mm) to remove the rivets.
- Wipe off sealing compound.



- Be sure to install the intermediate partition wall (a) on the new exhaust terminal.
- Apply liquid gasket Honda p/n, 08CRA-HLG-120G or equivalent on the outer edge (b) of the new terminal.



- Insert the new muffler terminal (18338-NN4-L40) supplied in the kit.



- Rivet the new muffler terminal with the five rivets (18326-NN4-G10) supplied in the kit.



Removal of the exhaust pipe and O2 sensor

- Remove the upper clamp on the O2 sensor from the left hand side of the engine.



- Remove the coil to take off the O2 sensor cable



- Remove the cable from the O2 sensor

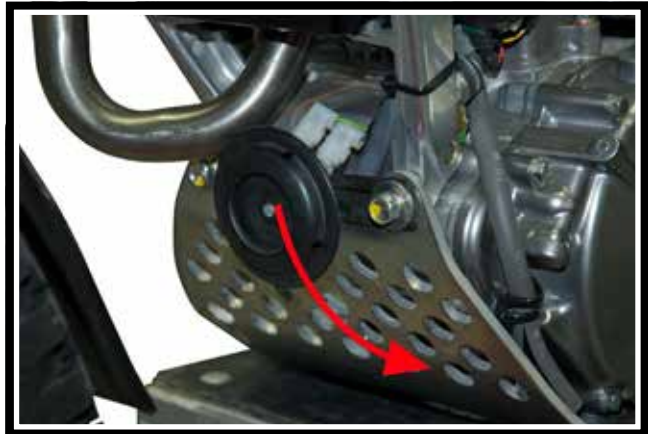


- Refit the coil.

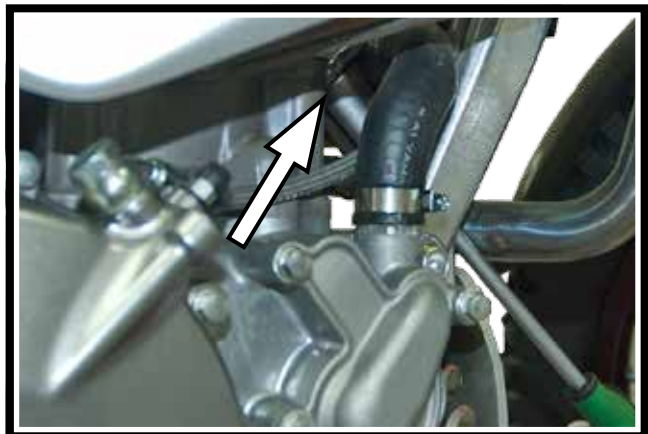
Torque: 10 - 14 N•m (1,0 - 1,4 kgf•m)



- Loosen the screw on the horn and move it to one side.
Leave it in a vertical position.



- Remove the nuts attaching the exhaust pipe to the cylinder head.

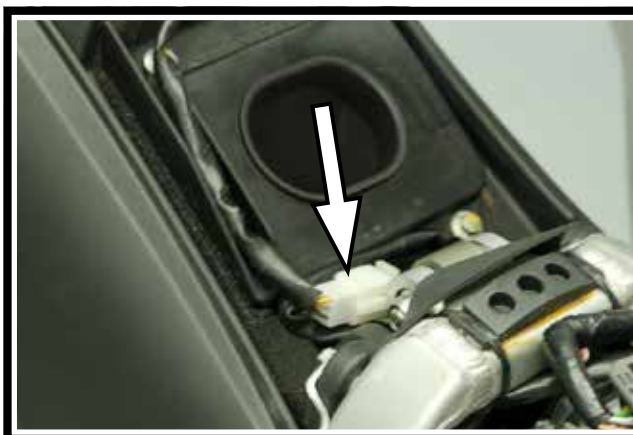


- Remove the manifold from the exhaust pipe together with the O2 sensor



Removal of the fuel restriction washer

- Disconnect the taillights connector



- Loosen the filter casing intake flange.



- Remove and extract the filter casing



- Remove the breather hose from the filter casing.



- Disconnect the ECU connector wires.



- Remove the insulator.
Loosen the screws on the fastening flange and remove the insulator by carefully moving the injector casing.



- Remove the lock washer located on the insulator on the part connected to the injector casing.
- Fit the insulator.
- Fit the ECU casing
- Connect the ECU connector.



- Fit the filter casing.
Torque: 10 - 14 N•m (1,0 - 1,4 kgf•m)
- Connect the breather tube in the filter casing.

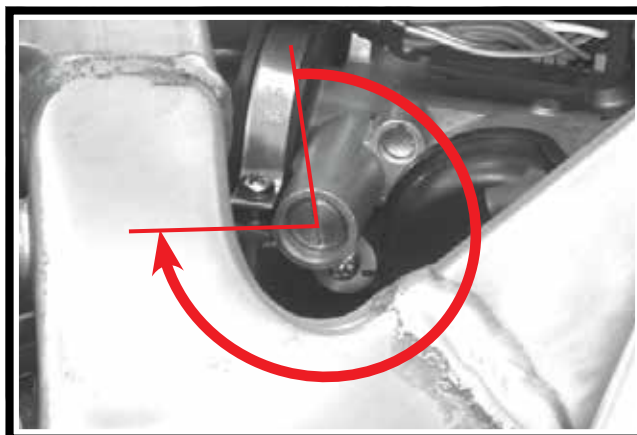


- Tighten the filter casing intake flange.



- Adjust the engine idle speed.
Turn the idle screw by approximately $\frac{3}{4}$ of a turn to the right.
The engine must be warm for an accurate idle inspection and adjustment.

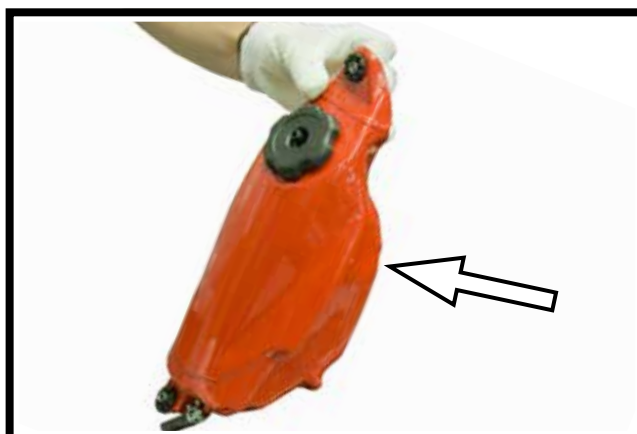
Idle speed:
 $1,800 \pm 100 \text{ min}^{-1} (\text{rpm})$



- Fit the fuel breather tube to the lower front of the fuel tank.

⚠ WARNING

Ensure that the breather tube is firmly connected.



- Fit the fuel tank.
When fitting the tank, be sure to place tubes and cables in the right places.
- Fit the engine breather hose to the cylinder head cover.
- Connect the fuel pump black connector 2P.



- Fit the fuel holder (a).

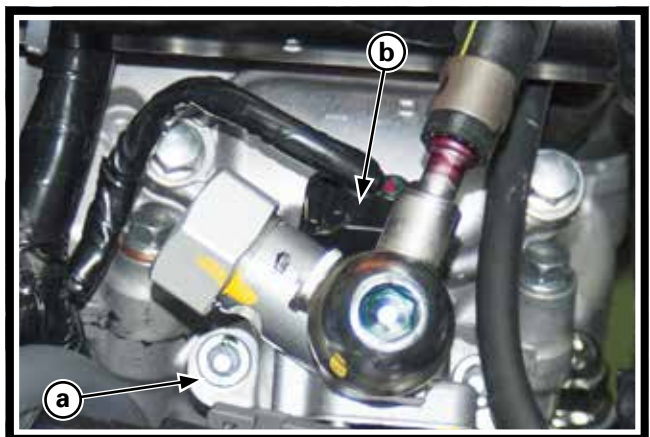
Torque: 8 - 12 N•m (0,8 - 1,2 kgf•m)

⚠ WARNING

Ensure that the injector O-ring is in the correct position.

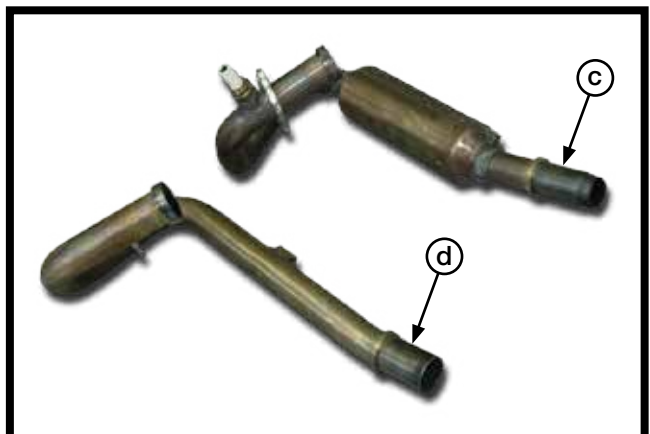
Ensure that the injector O-ring is in the correct position.

- Fit the injector connector (b).
- Position the wires and tubes correctly.



Exhaust pipe and exhaust protector assembly.

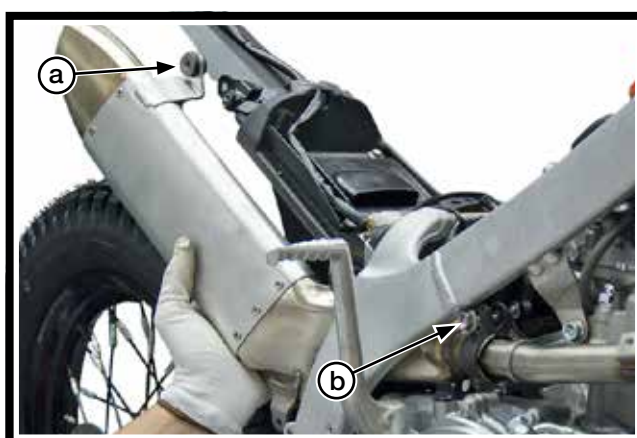
- Replace the exhaust pipe manifold (c) with the new manifold (d) (18330-NN4-L70) supplied in the kit.



- Fit the manifold.
Torque: 10 - 14 N•m (1 - 1,4 kgf•m)
- Place the horn in position (horizontal) and tighten the screw.
Torque: 24 - 30 N•m (2,4 - 3,0 kgf•m)



- Fit the exhaust muffler.
- Fit the mounting bolt (a).
Torque: 10 - 14 N•m (1,0 - 1,4 kgf•m)
- Tighten the exhaust pipe bracket bolt (b).
Torque: 18 - 24 N•m (1,8 - 2,4 kgf•m)



- Fit the protective cover from the muffler.
Torque: 10 - 14 N•m (1,0 - 1,4 kgf•m)



- Fit the rear fender.
Torque: 8 - 12 N•m (0,8 - 1,2 kgf•m)



