

| 125 SE FACTORY



SHERCO

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The present manual is primarily intended for certified mechanics working in an appropriately equipped workshop.

Performing the various operations requires both a solid knowledge in mechanics and the set of SHERCO tools specific to the 125 SE-R engines.

This workshop manual serves as a complement to the SHERCO 125 SE-R user's manual

TOOLS LIST 125SE-R

Tooling reference	Designation
1814	Clutch drum block
1815	Ignition block
10480	125 SBS Valve tool control
2067	Oscillating arm shaft tool
2072	Right-hand casing primary shaft bearing tool
2074	Secondary shaft bearing tool
R467	Out-of-gearbox shaft bearing tool
2069	Out-of-gearbox gasket tool
2071	Right-hand drum bearing selection tool
5398	Left-hand drum bearing selection tool
5399	Crankshaft bearing tool
2069	Crankshaft gasket tool
5402	HK0808 needle bearing cage tool (water pump, starter)
1968	Water pump gasket tool
1821	Engine support
1817	Primary pinion block tool
2073	Spring block (finger pointing device)
R462	Magnetic wheel wrench
R464	Crankshaft ring extractor
R453	Selected shaft bearing assembly tool
R444	Gasket selector tool



TECHNICAL SPECIFICATION

ENGINE

Type	Liquidcooled,2-strokesinglecylinder
Displacement	124.81CC
Bore diameter/Stroke	54/54.5mm
Gasoline	Unleadedwithanoctaneindexofatleast95mixedwithtwo-stroke oil (2%)
Coolant	With forced circulation
Ignition system	ADC-CDI without a contact breaker, digital advance
Sparkplug	NGKBR9ECMIX
Distance between spark plug electrodes	0.7mm
Piston	Forge aluminum
Motor oil	500ml SAE 5W40
Main transmission	20x72
Gearbox: 1 st 2 nd 3 rd 4 th 5 th 6 th	6speeds 15:33 17:30 19:28 21:26 23:24 25:22
Final transmission	13x51
Clutch	Multi-disc in an oil bath, hydraulic controls
Ignition	Electric starter
Battery	12V4Ah
Alternator	220W

CARBURETOR

Type of carburetor	KEIHIN PWK36 SAG
Needle position	3 rd position from the top
Injector needle	N1EE
Main injector	KEA170(KEA115)
Braking injector	KEP42(KEA38)
Starter injector	85(50)
Opening of the air regulator screws	1T1/4
Sliding gate section	5.5

TECHNICAL SPECIFICATION

CYCLE PART

Frame	Semi-perimeter CrMo steel with aluminum sub frame
Fork	KAYABA USD Ø48mm Closed cartridge
Rear suspension	KAYABA suspension with separate cylinder Aluminum swing arm
Travel Front/Rear	FACTORY 330/330mm RACING 300/330mm
Front brake	rotor Ø 260mm
Rear brake	rotor Ø 220mm
Brake disc	Limit : 2.7mm front et 3.6mm rear
Front tire	90/90-21"
Rear tyre	140/80-18"
Pressure front / Rear	0.9 bar
Fuel tank capacity	10.4LI with 1 liter of reserve
Angle of the steering column	25.9°
Wheel base	1465mm
Weight (without fuel)	95 kg

FORK

Settings – Fork KAYABA USD Ø48 mm

Compression	Comfort	20 clicks back
	Standard	13 clicks back
	Sport	8 clicks back
Rebound	Comfort	18 clicks back
	Standard	13 clicks back
	Sport	10 clicks back
Spring	Rider weight: 65-75 kg	4.0N/mm (Original)
	Rider weight: 75-85 kg	4.2N/m
	Rider weight: 85-95	4.4N/m
Fork oil	01M	345 CC



STANDARD ADJUSTMENT

SHOCK ABSORBER

Factory Settings – KAYABA shock absorber

Low-speed compression	Comfort	20 clicks back
	Standard	14 clicks back
	Sport	12 clicks back
High-speed compression	Comfort	2,5 turns back
	Standard	1.5 turns back
	Sport	1 turn back
Rebound	Comfort	15 clicks back
	Standard	13 clicks back
	Sport	11 clicks back
Spring stiffness	Rider weight : 65-75 kg	46N/mm
	Rider weight : 75-85 kg	48N/mm (original)
	Rider weight : 85-95 kg	50N/mm
Type of oil		K2C

OPERATIONS REQUIRING DISASSEMBLY OR NOT ENGINE

	Operation requiring engine removal	Operation not requiring engine removal
Crankshaft (including the crank kit)	•	
Complete gearbox	•	
Crankshaft bearing	•	
Gearbox bearing	•	
Piston		•
Cylinder		•
Cylinder head		•
Ignition		•
Starter gear set		•
Complete clutch		•
Water pump		•
Speed selection assembly		•



REMOVING / REINSTALLING THE ENGINE

REMOVING THE ENGINE

WARNING

To remove the engine, you must remove the swing arm axle, the swing arm and the rear wheel. To keep the bike from falling, remember to support the chassis with an appropriate jack.

- Drain (refer to the owner's manual)
 - the engine oil
 - the engine coolant
- Remove the seat.
- Disconnect the battery.
- Remove the fuel tank and its covers.
- Disconnect all the electrical wiring connectors from the engine.
(Starter, TPS sensor, water temperature sensor, coil, fuel injector)
- Remove the exhaust.
- Remove the ignition coil.
- Remove the fuel injector body.
- Remove the chain.
- Remove the chain guard.
- Remove the clutch actuating cylinder.

WARNING

When the clutch actuating cylinder is removed the piston is loose. Hold the piston in place using a plastic strap.

- Remove all of the water hoses connected to the motor.
- Remove the left radiator.
- Loosen all of the engine bolts.
- Loosen the swing arm bolt.
- Remove the brackets that attach the cylinder head to the chassis.
- Remove the motor mounting bolts.
- Remove the swing arm bolt.
- Remove the motor.

REINSTALLING THE ENGINE

The motor should be reinstalled in the frame in the reverse order of how it was removed. The following torque values should be utilized.

Tightening torques:

Motor mounting bolts: 60Nm

Swing arm axle nut: 100 Nm

Clutch receiver screws: 10 Nm

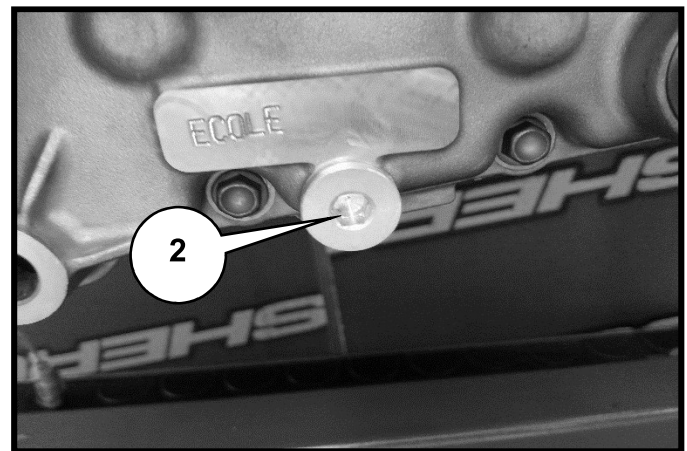
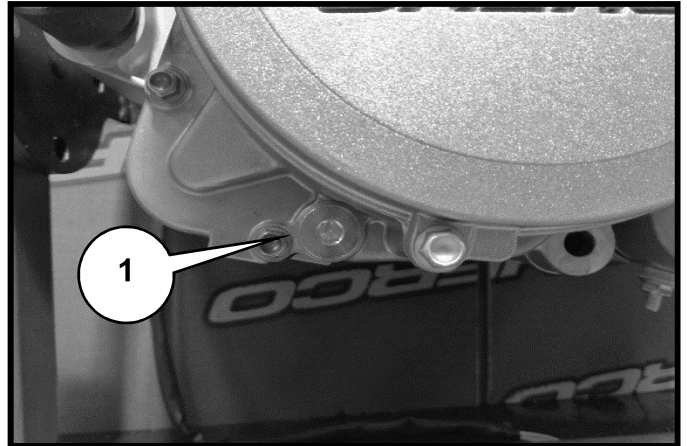
Cylinder head bracket bolts: 23Nm

Exhaust mounting bolts: 10Nm

ENGINE DISASSEMBLY

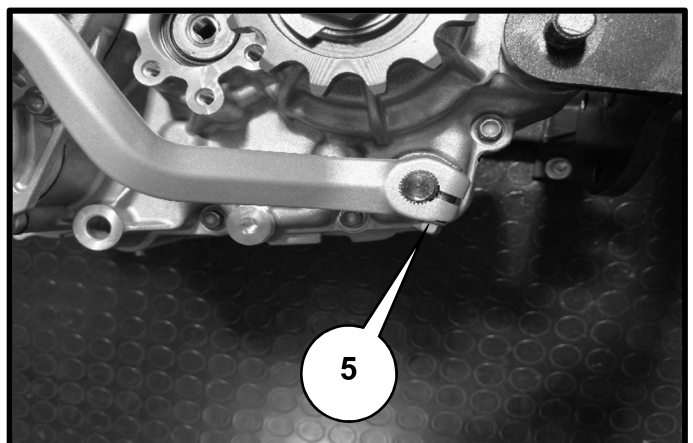
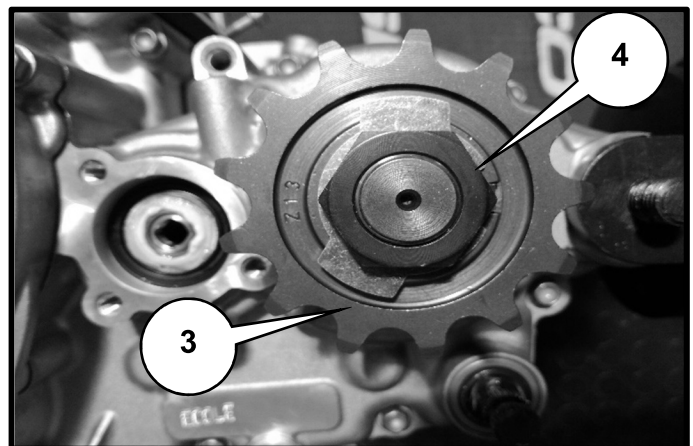
» Gear box drainage

- Remove drainage plugs [1] and [2], let the oil flow out.



» Gear box drainage

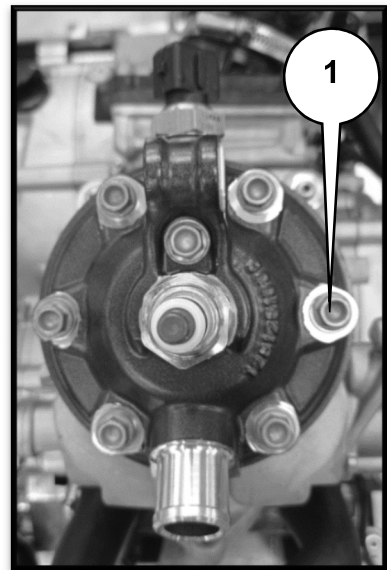
- Unfold the safety washertab [3] using a pushing device.
- Remove the gearbox output pinion [4].
- Remove the screw first [5] first and then the selector.
- Release the clutch control rod.



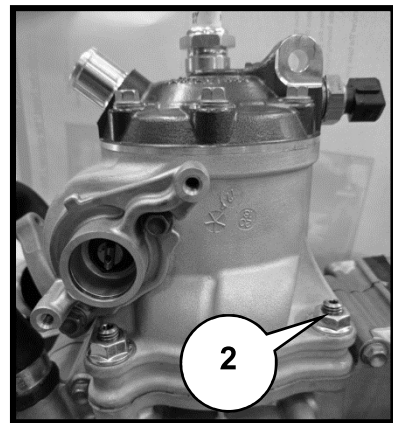
ENGINE DISASSEMBLY

»I Removal of the cylinder head / the cylinder / the piston

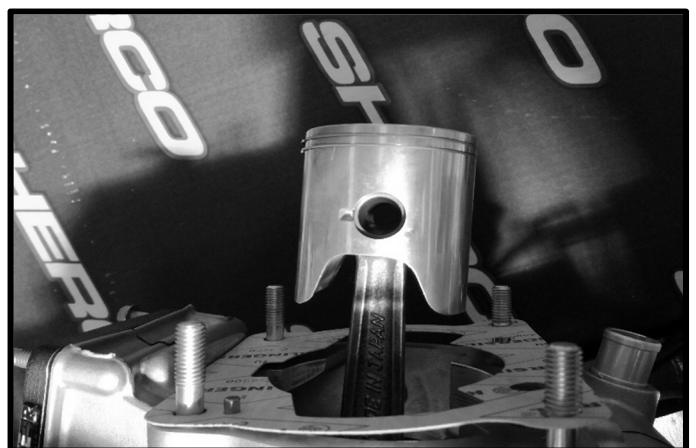
- Remove the shoulder screws **[1]** and release both the cylinder head and the two O-rings



- Remove all four nuts **[2]** and the cylinder
- Cover the casing.



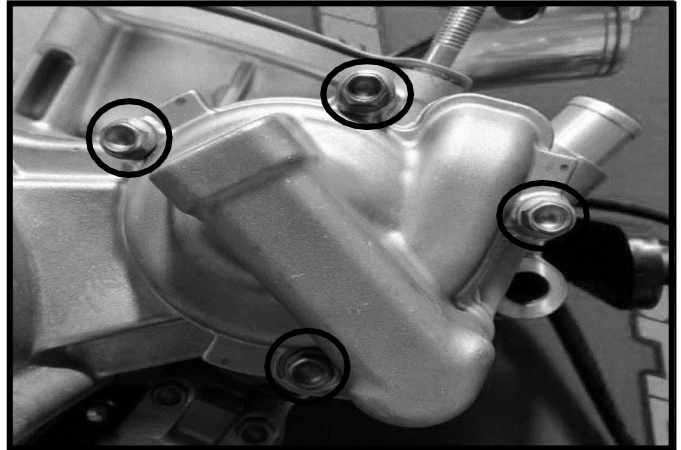
- Remove the piston shaft clips.
- Release the piston shaft.
- Remove the piston and extract the needle bearing from the connecting rod eye.
- Remove the base joint.



ENGINE DISASSEMBLY

›| Disassemble the clutch cover

- Unscrew the water pump screws and cover. Remove the form joint

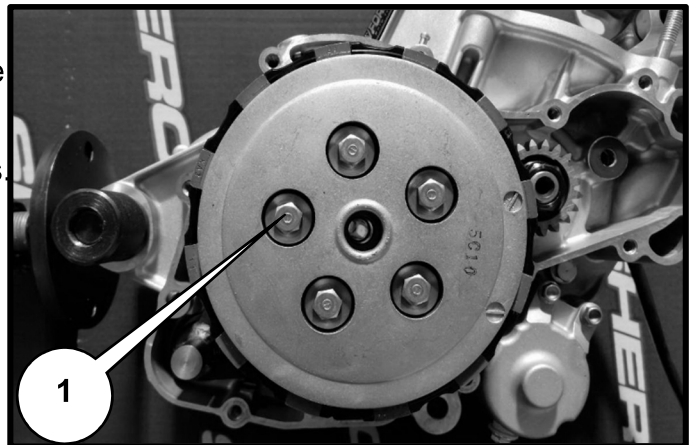


- Remove the screws first and then the clutch casing. Extract the joint.

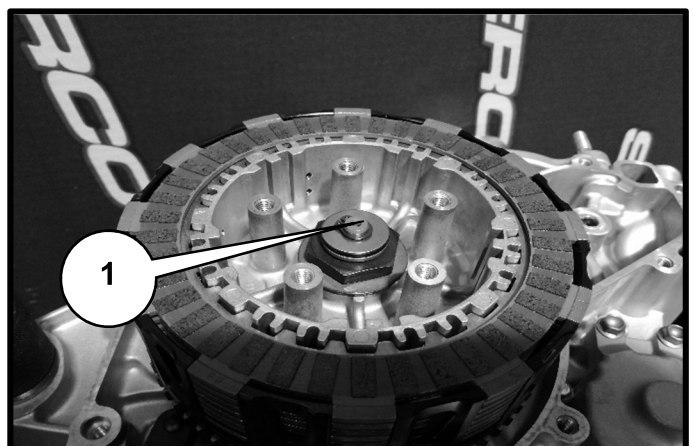


›| Removal of both the pressure tray and discs

- Loosen the screws of the clutch pressure plate [1].
- Remove the screws, springs and spring plates.



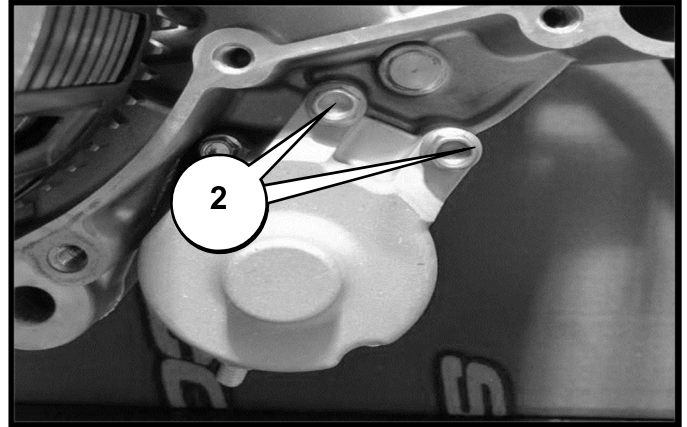
- Release both the pressure plate and discs from the housing.
- Remove the support part [1] positioned in the primary shaft.



ENGINE DISASSEMBLY

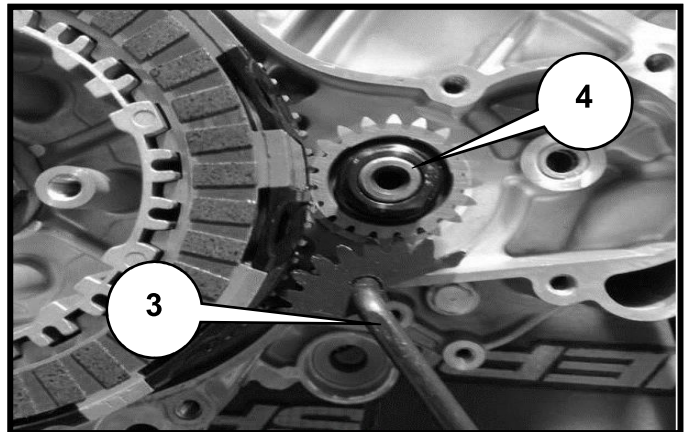
›I Removal of the electric starter

- Unscrew both screws [2]

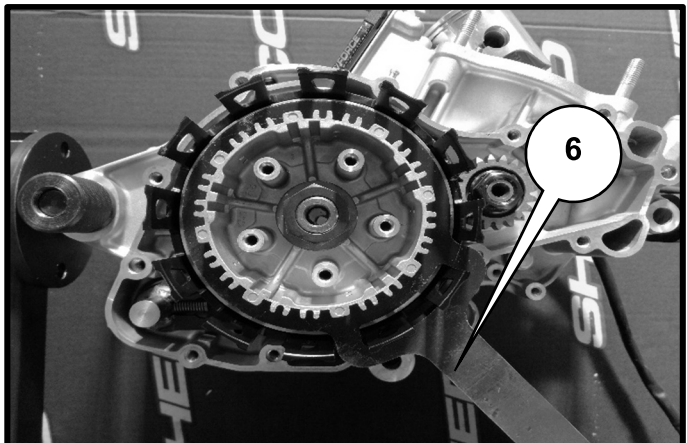


›I Removal of the main transmission

- Block the pinion at the end of the crankshaft using tool reference 1817 [3].
- Unscrew the main transmission nut [4] and then remove it with the tapered washer.



- Insert tool reference 1814 [6], which serves to hold the drum and loosen the nut.
- Remove the tool.
- Remove the drum, the toothed washer, the housing with the needle cage.



- Removal of the main transmission pinion



CAUTION

At the wedge and O-ring.
The main transmission pinion and clutch housing crown match, which is why they cannot be changed separately. They must always be renewed as a pair.

ENGINE DISASSEMBLY

» Removal of the locking mechanism

- With a screwdriver, push back on the scorpion so that it no longer makes contact with the selection star; next, remove the selection shaft

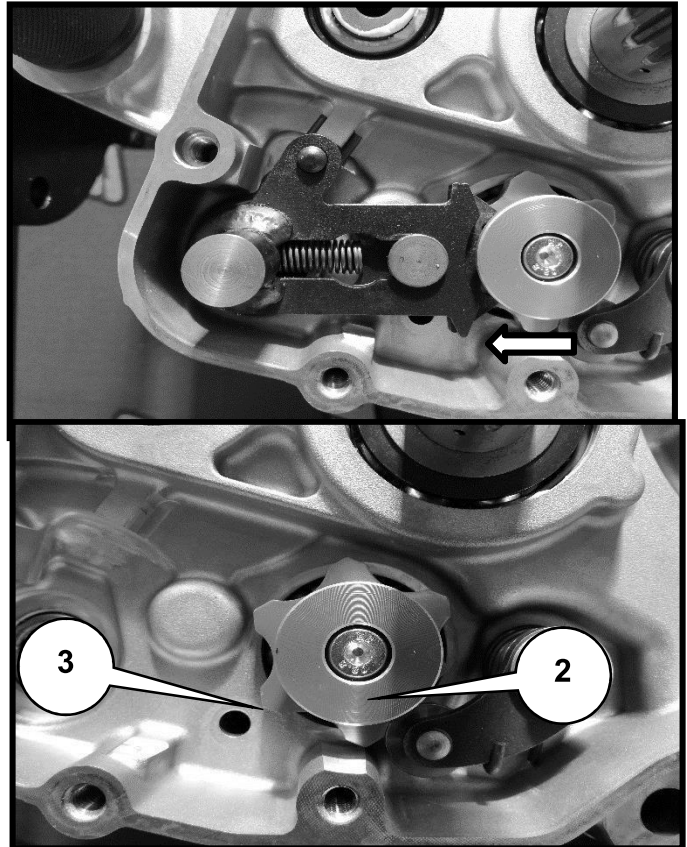
CAUTION

Be extremely careful with the washer left at the casing bottom.

- Unscrew the hex socket screw [2] and remove the selection star [3].

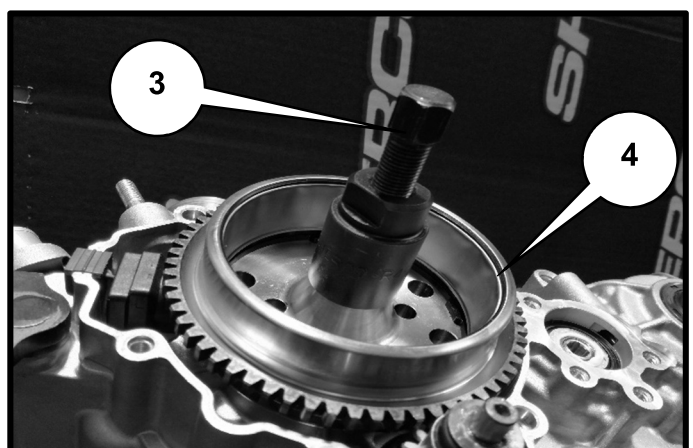
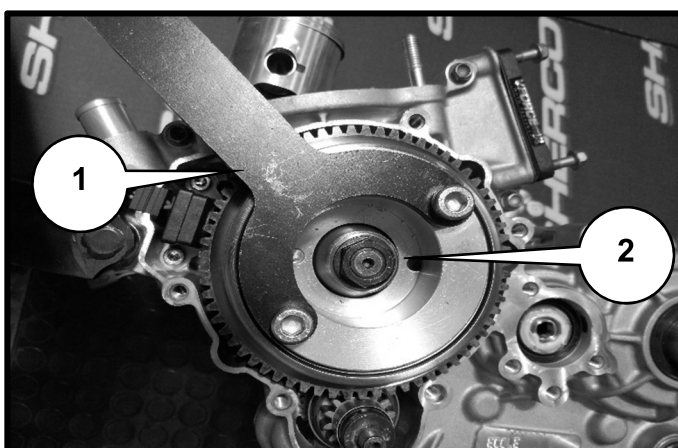
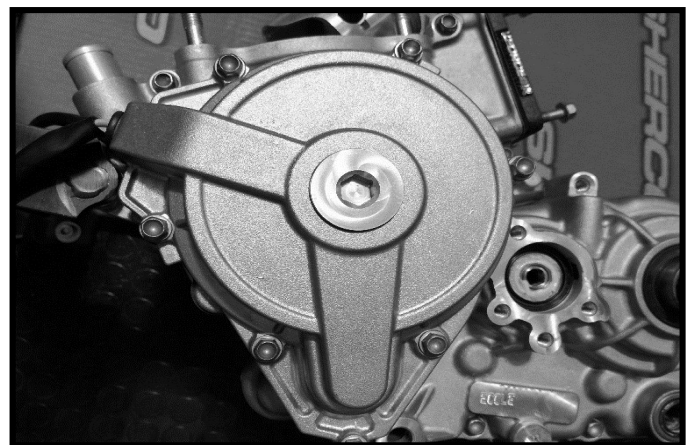
CAUTION

When handling the selection star indexation slug. The locking lever arm must only be retracted when changing the casing.



» Removal of the ignition

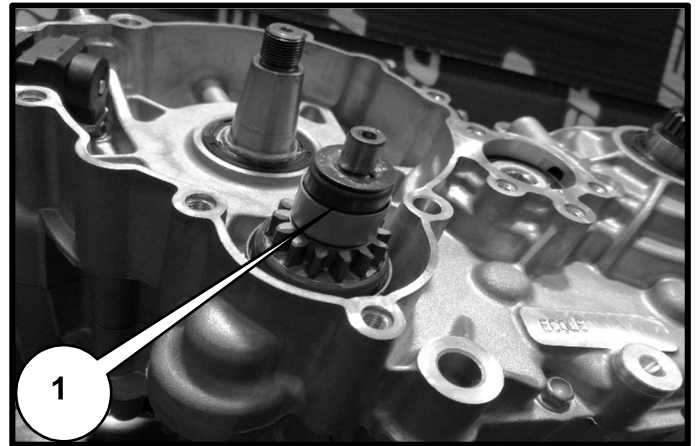
- Hold the steering wheel with tool 1815 [1] and unscrew the shoulder nut [2].
- Introduce extractor R462 [3] and tear out the magnetic wheel [4].



ENGINE DISASSEMBLY

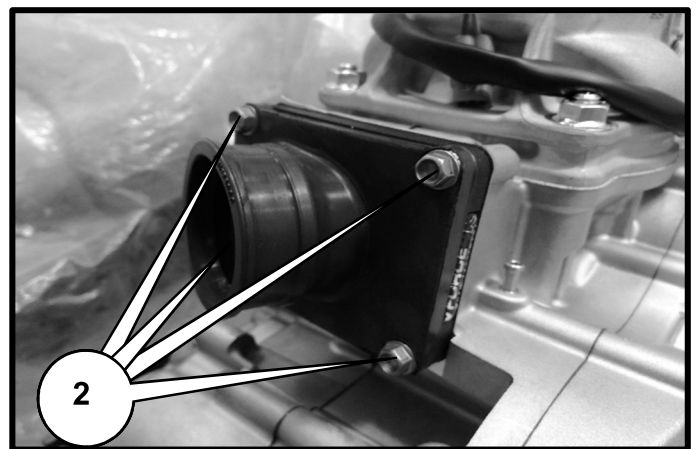
» Removal of the starter

- Take out the starter [1]



» Intake pipe and clapper box

- Remove all 4 screws [2]
- Remove the pipe clapper box and the gasket



» Separate out the half casings

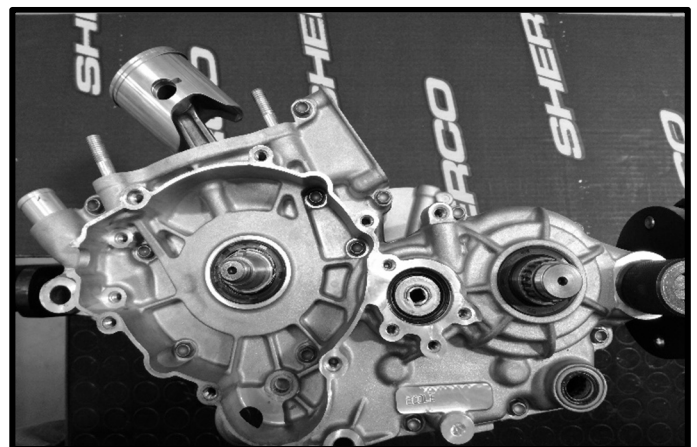
- Reposition the engine so that the ignition side is facing you.
- Remove all the fastening screws.
- Now lift the left half-casing by gently striking the gearbox output shaft with a plastic mallet in order to dislodge the other half-casing.

CAUTION

Avoid to the greatest extent possible introducing a screwdriver or any tool between the half-casings for the purpose of separating them. You might damage the parting surface.

CAUTION

Be careful when working with the set rings of gearbox shafts. They might stay stuck inside the casing.

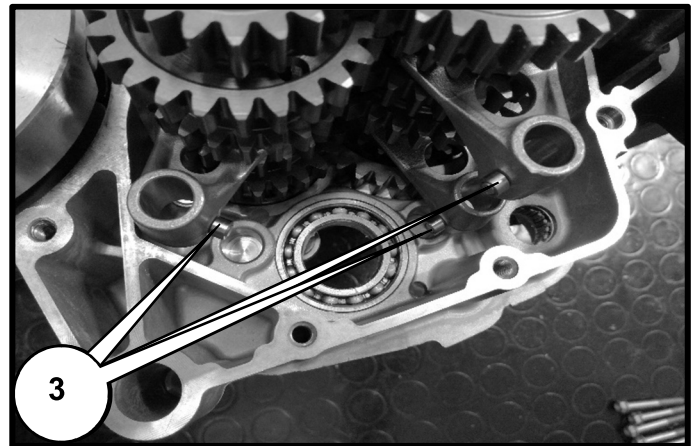
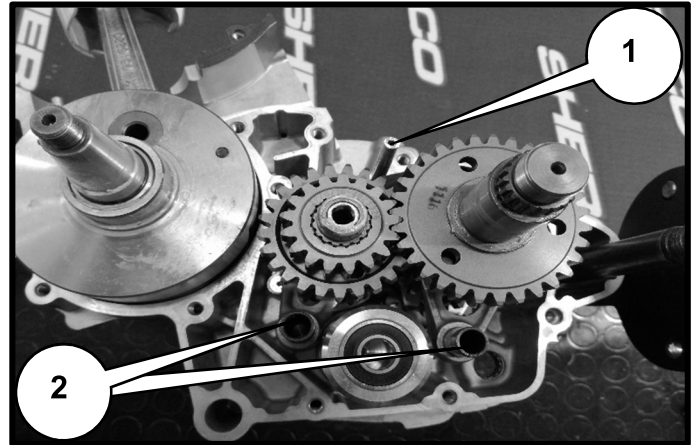


› Removal of the speed selection

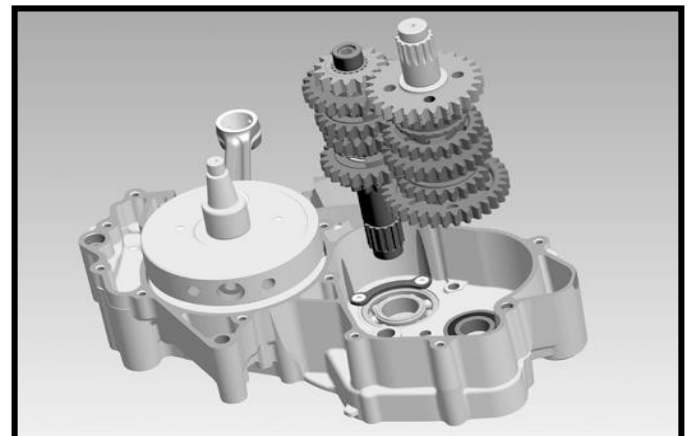
- Remove the transmission gearbox lubrication tube **[1]**.
- Remove the two selector fork shafts **[2]** and push them to the side to free the drum.
- Now disengage the selection drum from its bearing.
- The selector forks. Remove

CAUTION

During this removal step, be sure not to lose the small rollers **[3]** on the fork caps. Indicate the association of these rollers with the corresponding forks for purposes of reassembly.



- Remove both the primary and secondary shafts from their bearing



ENGINE PARTS CONTROL

›) Connecting rod assembly

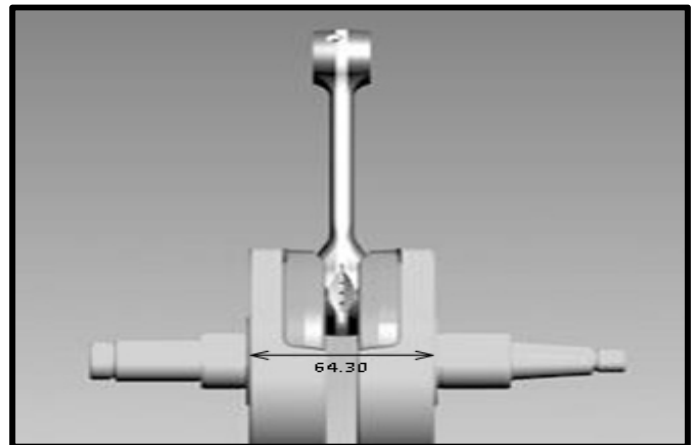
- If the roller bearings have been changed, then the internal ring that sits against the balance weight must also be changed.
- Heat the R464 tool to roughly 150°C, then immediately insert it onto the internal ring.
Ensure that the tool sits squarely on the ring in order to more effectively transmit the heat and extract the ring
- To install the new ring, heat the tool once again to approx. 150°C. Next, insert the new ring and immediately position it on the reach of the connecting rod assembly



›) Balance masses, verification of the exterior side

- Using a caliper, measure the outer distance of the balance masses.

Exterior value: 57.0 +/- 0.1 mm



›) Radial clearance of the crank head

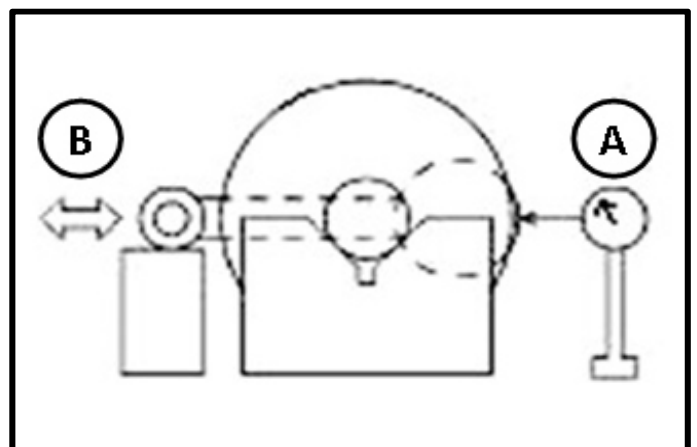
- Install the crankshaft on the V and place a dial gauge [A] against the crank head.
- Push [B] the crank head first toward the gauge and then in the opposite direction. The difference between these two measurements corresponds to the radial clearance.

Crank head radial clearance:

Standard: 0.015 mm - 0.025 mm

Tolerance limit: 0.06 mm

If the radial clearance exceeds the tolerance limit, the crankshaft must be replaced



›| Crank head lateral clearance

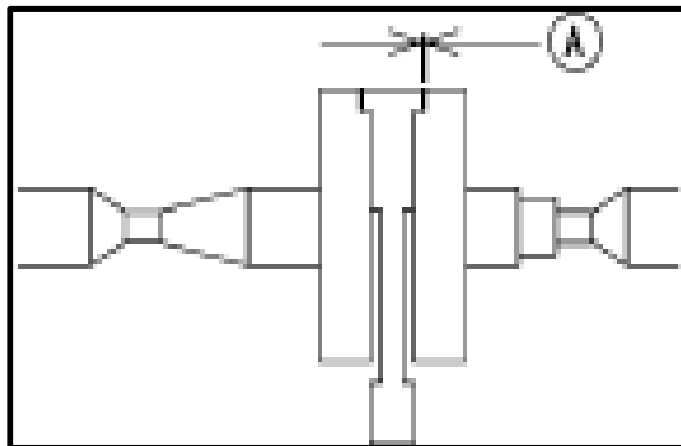
- Measuring the lateral clearance of the crank head **[A]**.

Crank head lateral clearance:

Standard: 0.7 mm - 0.9 mm

Tolerance limit: 1.15 mm

If the clearance exceeds the tolerance limit, replace the crankshaft.



›| Control of the crankshaft radial runout

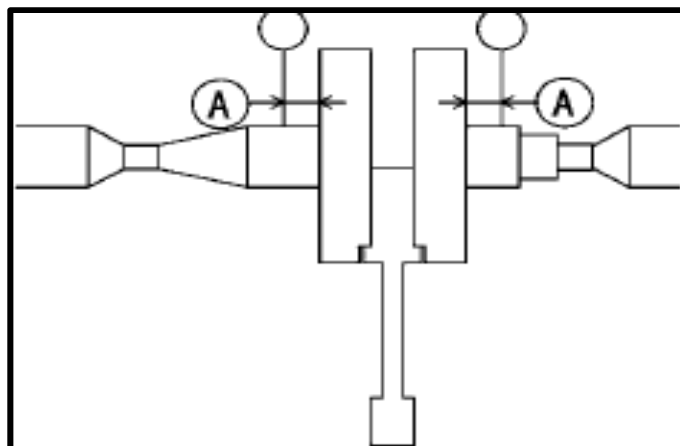
- Set the crankshaft on an alignment device or on shims laid out in a "V" pattern, and place a gauge as shown on the image.
- Now slowly turn the crankshaft. The maximum difference between the measurements corresponds to the level of crankshaft eccentricity.

Out-of-roundness:

Standard: 0.03 mm maximum

Tolerance limit: 0.05 mm

If the eccentricity is incorrect, replace the crankshaft or else align it to ensure lying within the tolerance limits.



›| Piston

If you introduce a piston that has already been in use, the following points would need to be verified:

Skirt: search for possible smears (clamping). Slight smears may be removed with a soft stone.

Segment grooves: The segments must not snag in their groove. To clean in this spot, an older segment or emery cloth (400-grain).

The segment retainers must be snugly fastened and not be worn parts.

Segments: Verify the condition and clearance at the cross-section.

» Cross sectional clearance

- Insert the segment into the cylinder and install it with the piston (at approx. 10 mm from the upper edge of the cylinder).
- With a shim, it is possible to measure the cross- sectional clearance.
Cross-sectional clearance: max. 0.40 mm

CAUTION

Should the clearance be greater than indicated, it would be necessary to check the condition of both the cylinder and piston. If these measurements lie within the tolerance dimensions, replace the segment.

» Verification of the state of cylinder wear / Piston

- To detect cylinder wear, the bore diameter is measured using a micrometer located approx. 10 mm from the upper edge of the cylinder. Take readings at several spots to identify the potential presence of ovalness

Cylinder	Cylinder bore diameter	Piston
125	54.000 - 54.015	A
	54.010 - 54.025	B
Cylinder	Piston Diameter	Piston
125	53.94	A
	53.95	B



CAUTION

If the cylinder diameter exceeds for example 54.025 mm, the interior would need to be relined (with Nikasil coating) or the cylinder replaced.

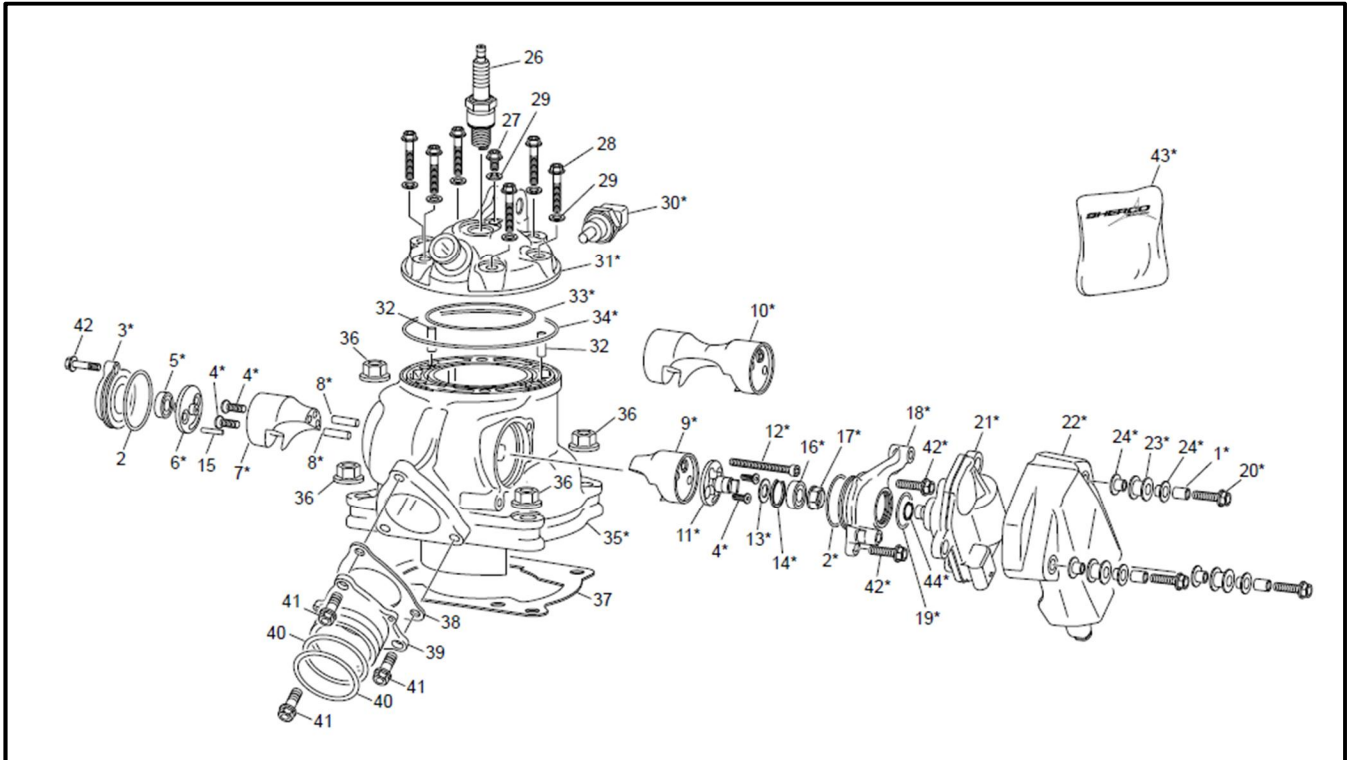
Before relining the cylinder, all exhaust valve parts would need to be disassembled. The piston size is engraved on the top of the piston, and the cylinder dimension is engraved on the right side cylinder.

Using a gauge, measure the height difference between the piston and the cylinder.

The clearance **must be 0**; otherwise, use another head gasket in order to obtain the desired value.

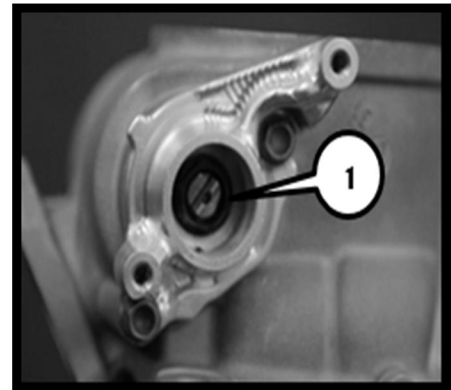


›I Disassemble the exhaust valve system

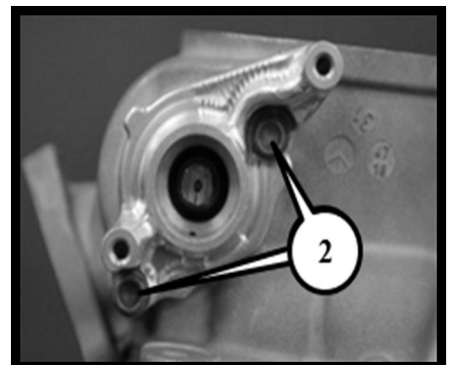


Disassemble all parts, clean them, and verify their condition and state of wear. For this step, follow the disassembly and control procedure.

- Remove the M10 [1] nut from the valve shaft using a 13mm wrench

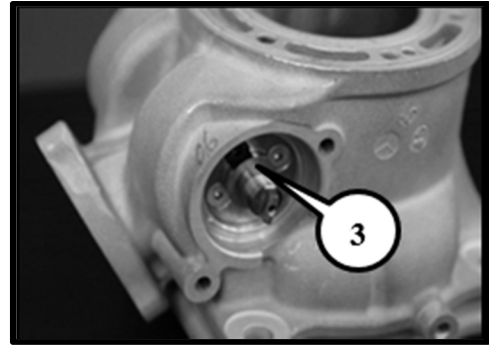


- Remove the two M5 screws [2] from the valve motor bracket and remove the bracket from the cylinder.

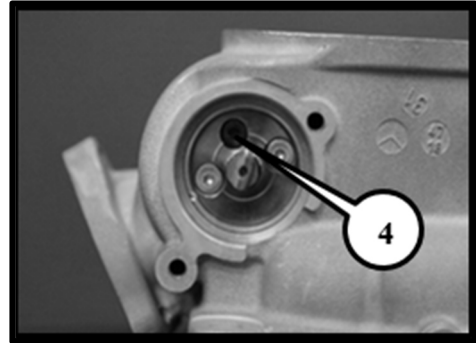


ENGINE PARTS CONTROL

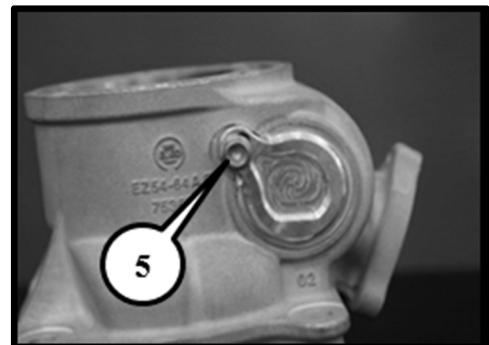
- Remove the washers [3] from the axle.



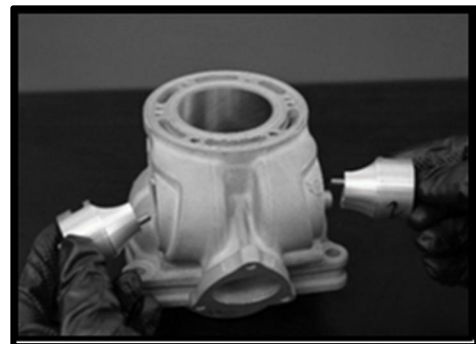
- Remove the connecting screw [4].



- Remove the M5 screw [5] and remove the right valve cover.



- Disassemble the half valves on either side of the cylinder.

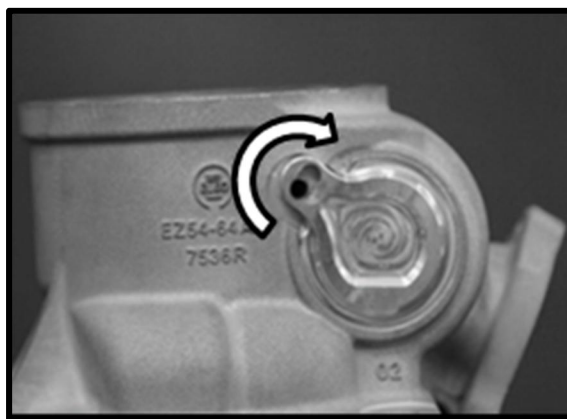


CAUTION

Before to reassemble the valve, clean all the parts and making sure that there is no trace of seizure on each side of the valve.

› Assemble the exhaust valve system

- Refit the two half valves then fit the right valve cover making sure that it is in the up position.



- Install the M5 screw without tightening it.



- Fit the connecting screw of the half-valves and tighten to **6 Nm**.



- Fit back the setting washers on the valve shaft.



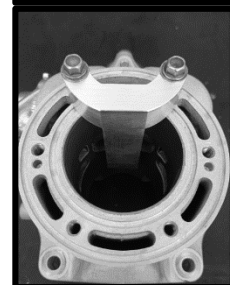
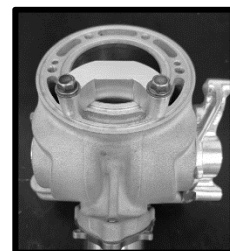
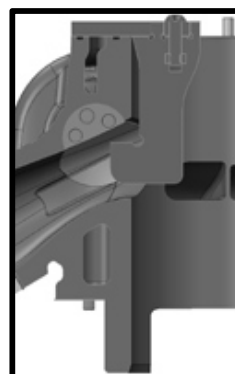
» Exhaust valve setting

Position the valve motor bracket and tighten the M5 screws to **8 Nm**.

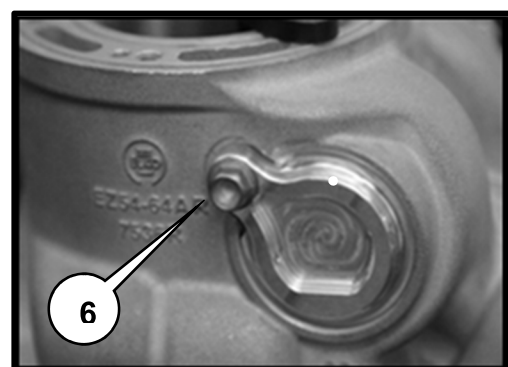


Install the valve adjustment tool **ref 10480** as indicated on the drawing.

Position the exhaust valve against the stop on tool 8028 then tighten the valve shaft nut to **20 Nm**.



One time all is in place and tightened, tighten the M5 screw [6] of the valve cover to **8 Nm**.



Making sure that there is not too much lateral free play and that the valve assembly turn properly without hard point.

In case of hard point or too much lateral free play, adjust it by changing shims on the valve axle.

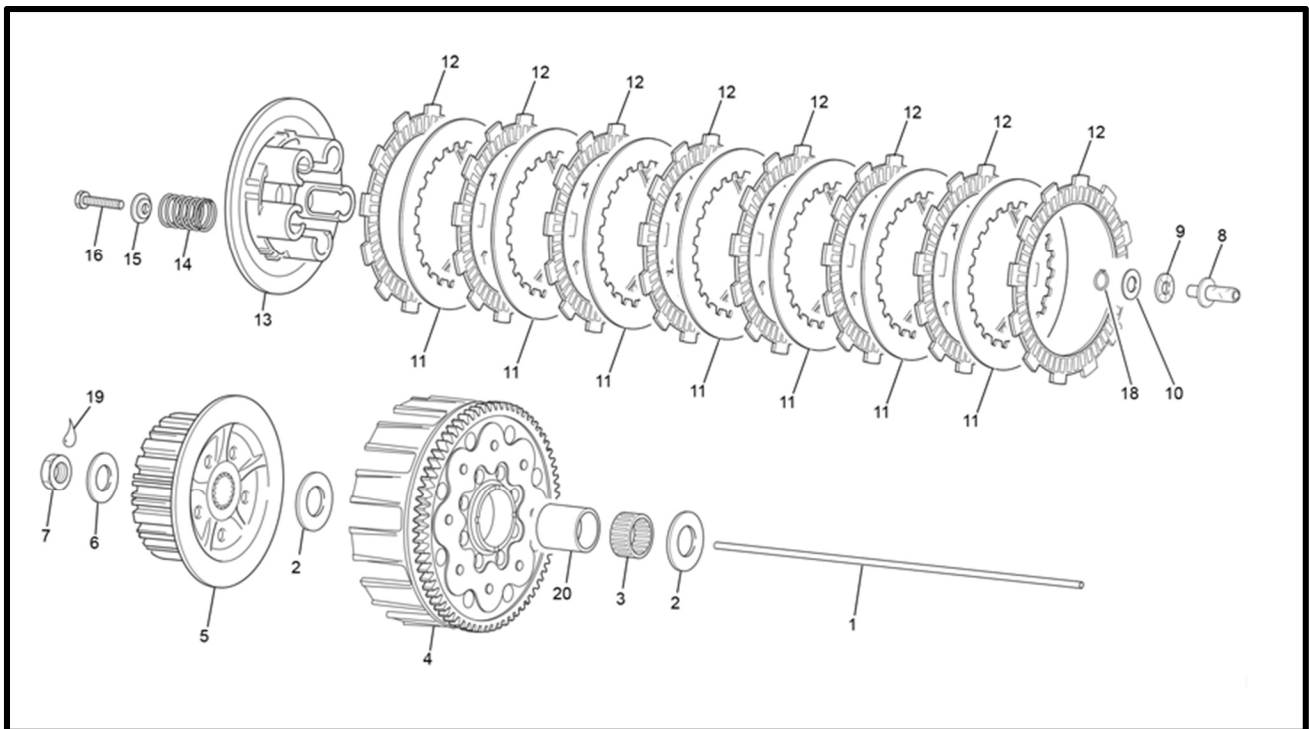
Rondelle de calage / Adjusting shim / Arandela de ajuste	
0,2 mm	Ref 7628
0,3 mm	Ref 7629
0,5 mm	Ref 7572

» Clapper box pipe, Pipe intake sleeve

- Over time, the carbon tabs gradually lose their elasticity, which in turn causes a loss in power.
- Replace the worn or damaged gearbox.
- Verifier the condition of the intake sleeve, especially if it is not split.



» Clutch



- Needle [3]: verify state of wear.
- Push Rod [1] : Verify the state of wear:
Minimum length = 162,5mm
- Springs [14]:Verify the length.
Minimum spring length 37,5mm
- 8 lined discs [12]: **Standard thickness:** 2.95 mm / **threshold thickness:** 2.7 mm / deformation threshold: 0.3 mm
- 7 smooth discs [11]: **Standard thickness:** 1.4 mm / **threshold thickness:** 1.3 mm / deformation threshold: 0.3 mm

ENGINE REASSEMBLY

For the blow-up drawings, please refer to the 125SE-R spare parts catalogue

» Connecting Rod Assembly

- Insert the connecting rod assembly into the ball bearing by the top, in exercising precaution, until reaching the stop

CAUTION

The crank must be positioned on the cylinder side.

» Transmission Gearbox

- Coat lubricant on the fork guiding tip and insert the rings [1] from the top
- Fasten the supporting washer[2] onto the secondary shaft
- Present the primary and secondary shafts together, then drive them into their respective bearings until reaching the stop.

CAUTION

Any fork used must be paired with its original pinion as well as its roller.

- Hook the forks into the grooves of the moving pinions and insert the drum into its bearing

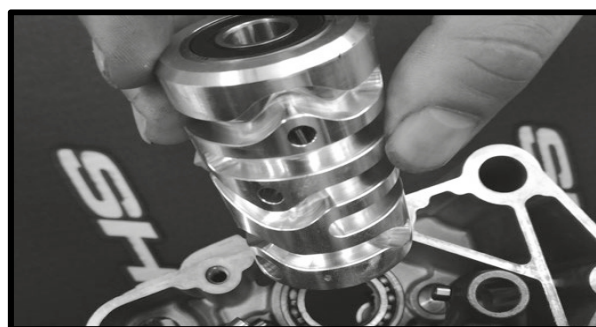
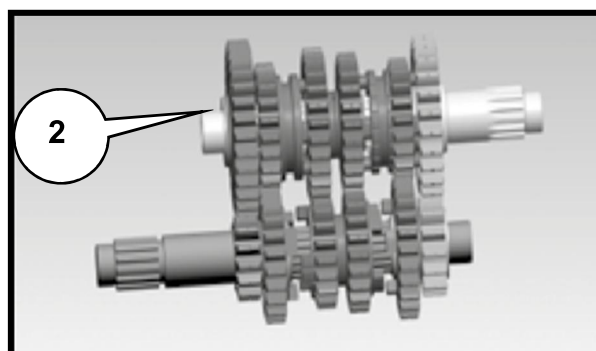
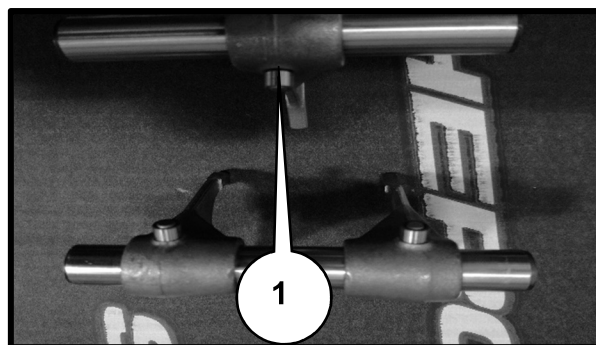
CAUTION

When hooking the forks into the drum pay special attention to prevent the rollers from falling off of the tips

- Lubricate the fork axes and insert them into the forks. Drive the forks into their housing in the casing until reaching the stop

CAUTION

The gearbox shafts must now turn without hitting any hard points



ENGINE REASSEMBLY

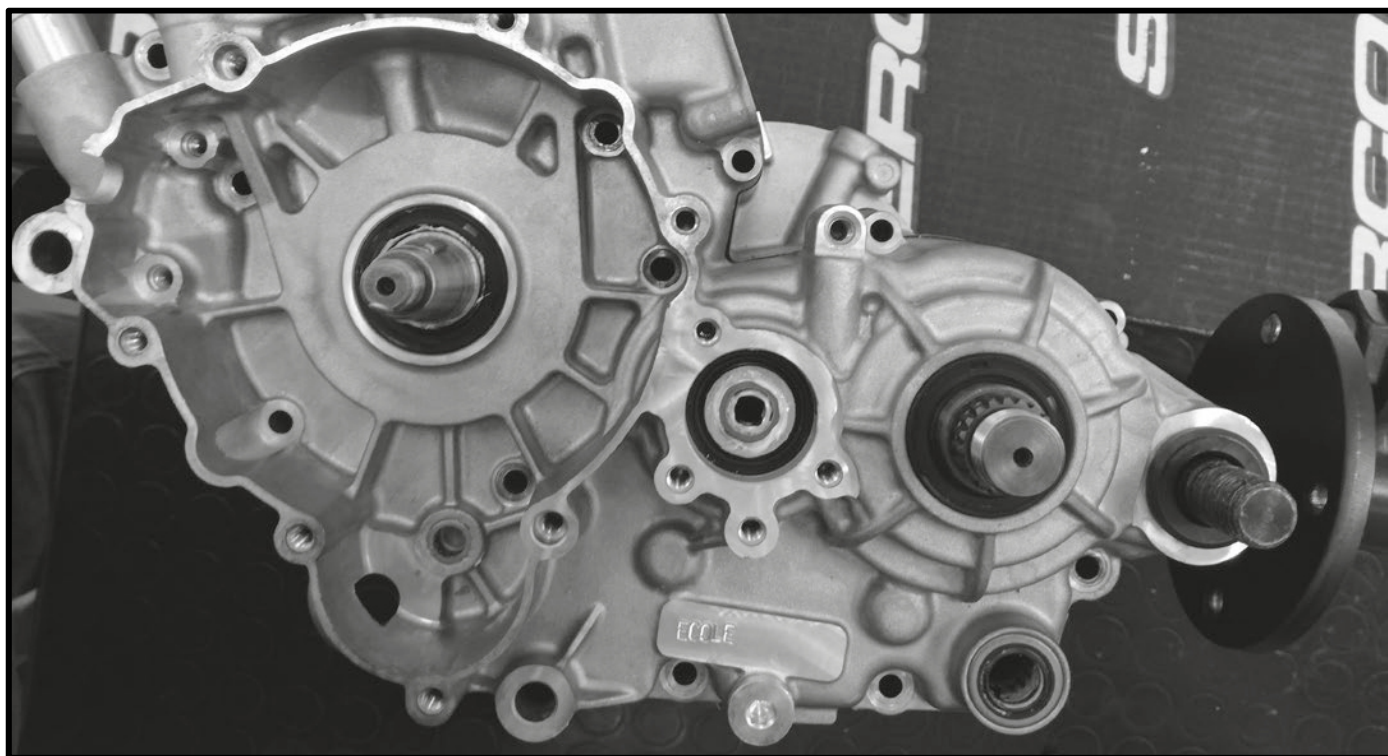
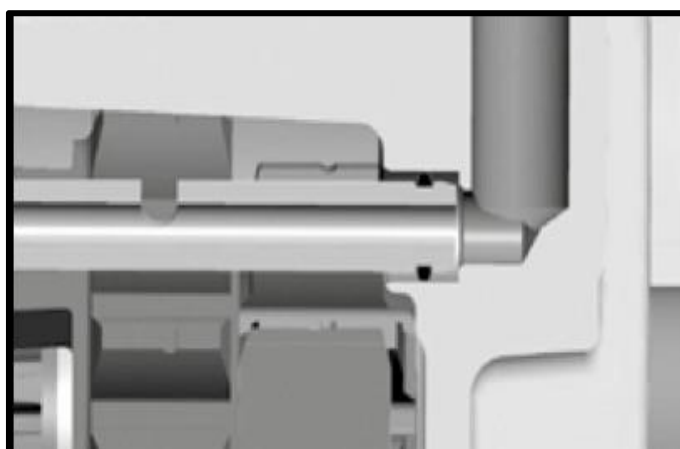
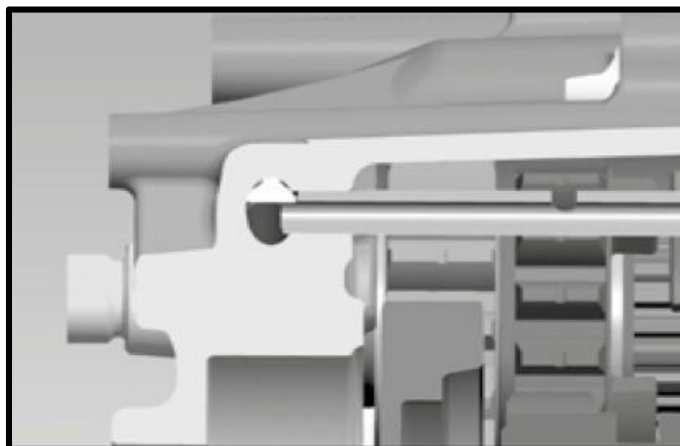
► Assembly of the half casings

- Install the transmission gearbox lubrication tube on the right-hand half-casing.
- Install the O-ring on the gearbox lubrication tube.

CAUTION.

Beware of the tube indexation, flat spot on the oil plug rivet side.

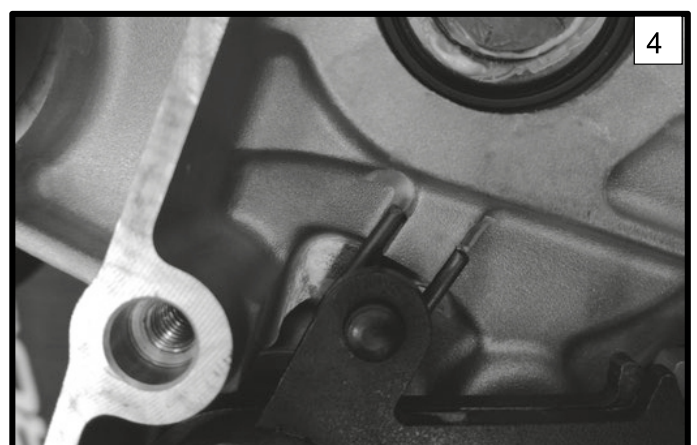
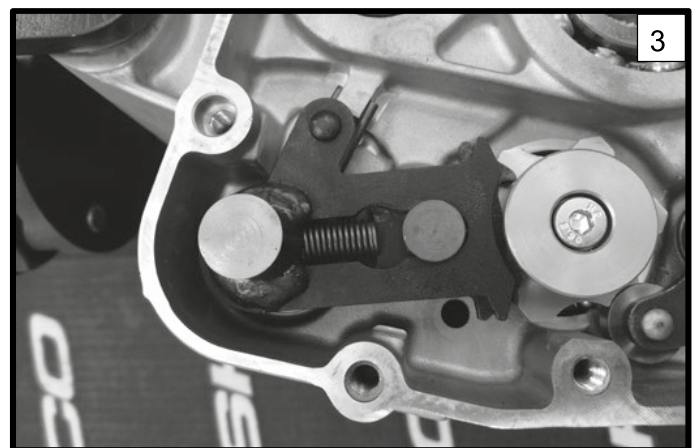
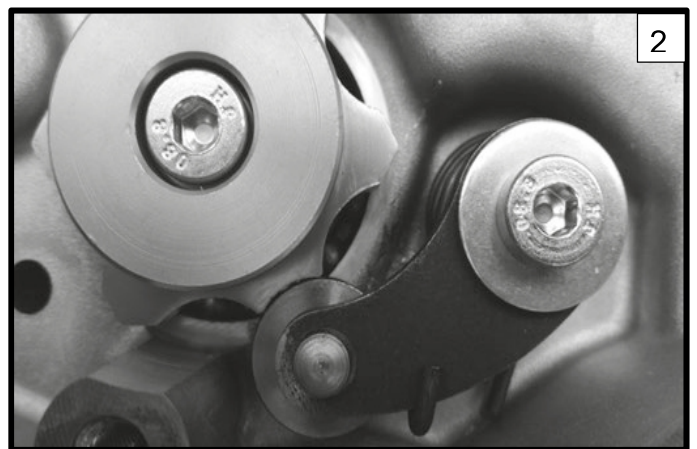
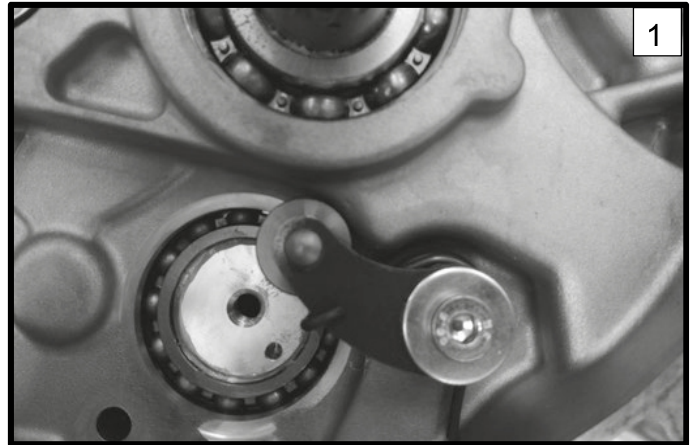
- Ensure that the centering rings are in place on the right half-casing and moreover that the gearbox shaft washers are in their appropriate place.
- Lubricate the gaskets of the left half-casing and proceed with installation of this half-casing.
- Introduce the screws and tighten them to 10 N-m.
- Next, use a plastic mallet to lightly strike the connecting rod assembly and verify that the shafts are turning without any hard point.



ENGINE REASSEMBLY

› Selection mechanism

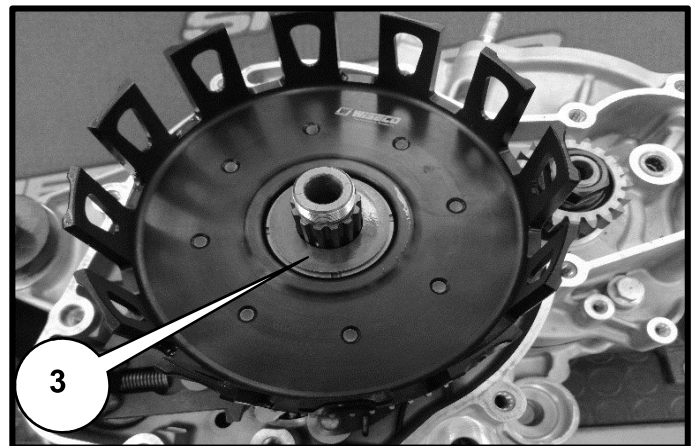
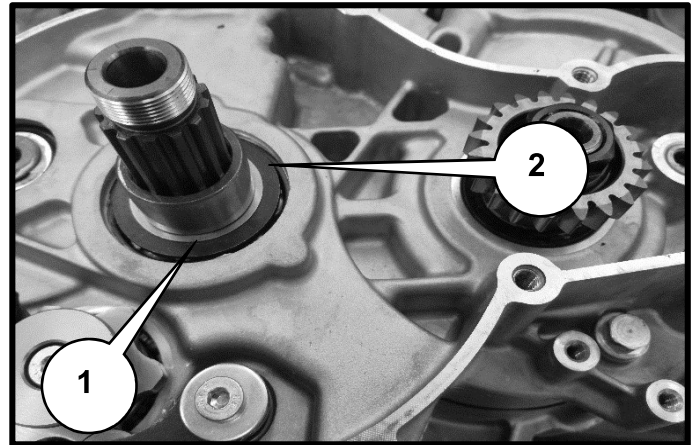
- Place the spring into the casing with the curved strand pointing upwards.
- Insert the spacer, the locking finger and the washer, then coat the CHC M6 x 20 screw with blue brake fluid and assemble all the parts.
- Hook the spring to the lever arm.
The other end of the spring must lean against the casing [1].
- Install the selection star indexation slug on the drum.
- Pull the locking lever arm backward in order to install the selection star.
- Coat the screw with blue brake fluid and then assemble the selection star on the drum. [2]
- Lubricate the axis of the now assembled selection and insert it into the needle bearings without neglecting the set ring.
- When the prong abuts the selection star, push it so that the shaft drops all the way to the bottom. [3]
- Verify whether the return spring strands are positioned against the finger in the casing on both sides [4]
- Install the selector and shift through all the speeds. Upon shifting through the entire range of speeds, the transmission gearbox shaft output needs to be rotated. Remove the selector once again.



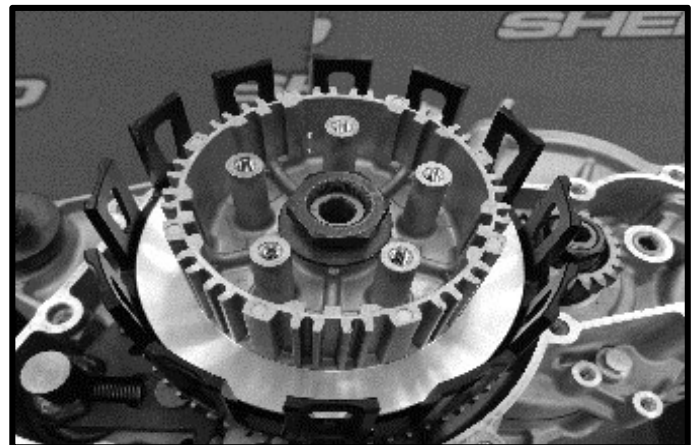
ENGINE REASSEMBLY

› Main transmission and clutch

- Lubricate the connecting rod assembly gasket.
- Install the half-moon wedge in its housing.
- Insert the pinion with the shoulder in a downward position onto the crankshaft shank.
- Insert the washer [1], housing spacer and pre-lubricated needle cage [2] on the main shaft.
- Raise the clutch housing and its washer [3].
- Place the blue brake fluid on the main shaft threading.



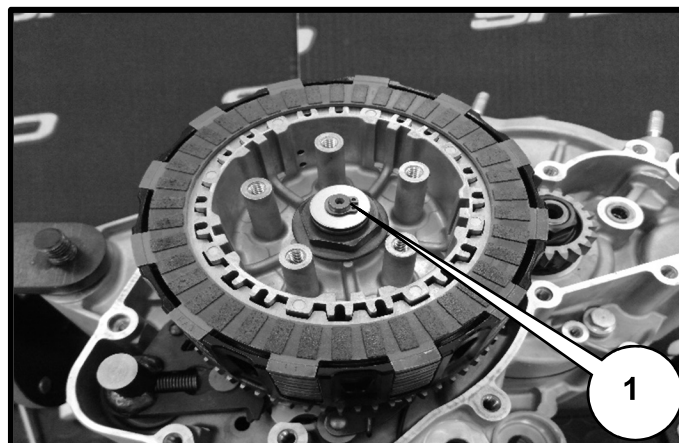
- Assemble the clutch drum and its nut on the main shaft in applying red brake fluid and a new safety washer.
- Introduce tool reference 1814 and tighten the nut to **100 N-m**.
- Apply blue brake fluid on the crankshaft threading.
- Raise both the tapered washer and the nut.
- Block the main transmission using tool 1814 and then tighten the pinion nut at the end of the crankshaft to 100 N-m in adding red brake fluid.
- Remove tool 1814 and verify the absence of any hard point in the main transmission by turning the connecting rod assembly



ENGINE REASSEMBLY

» Clutch discs pressure plate

- Oil the push finger **[1]** and insert it onto the main shaft.
- Prior to the assembly step, oil the lined discs.
- Begin with a lined disc. The 8 lined discs and the 7 smooth discs are positioned in an alternating pattern.
- Install the pressure plate along with the springs, the spring plates and the screws.
- Tighten the screws to **10 Nm** in a cross pattern.



» Clutch casing

- Verify whether the two centering bushings are indeed well installed.
- Introduce the casing joint and hold it in place with a bit of lubricant.
- Stick the water pump set ring **[2]** with a bit of lubricant.
- Present the clutch casing while ensuring that the water pump assembly has been properly installed. The connecting rod assembly needs to be rotated so that the water pump can mesh at the end of the crankshaft.
- Install the M6 hex sprocket screws and tighten to **10 Nm**.
- Verify that all shafts rotate without encountering any hard point



CAUTION.

Install a new joint on the M6X40 screw and on the coolant drainage screw.



» Piston and cylinder

- Oil the parts well before lifting.
- Insert the needle bearing into the foot crank, position the piston (the arrow on top of the piston is pointed toward the exhaust).
- Place the shaft and clips with the open side downward.
- Install the base joint.
- Properly position the segments, with the reference pointing upward.
- Insert the pre-fitted cylinder, fasten the cylinder with 2 nuts on opposite sides.
- Raise the other two screws and washers, then tighten to **20 Nm**.



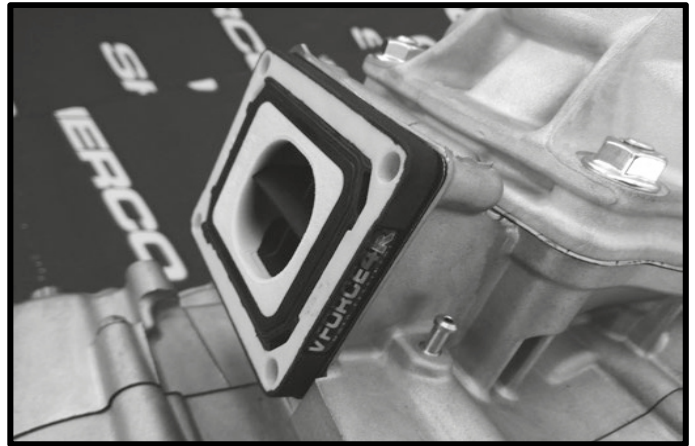
» Cylinder head

- Clean the parting surfaces of the cylinder as well as the cylinder head.
- Position the 2 centering slugs on the cylinder.
- Install the cylinder head.
- Place the M8 shoulder screws with new copper washers.
- Tighten three times and in a cross to 10 N-m.

ENGINE REASSEMBLY

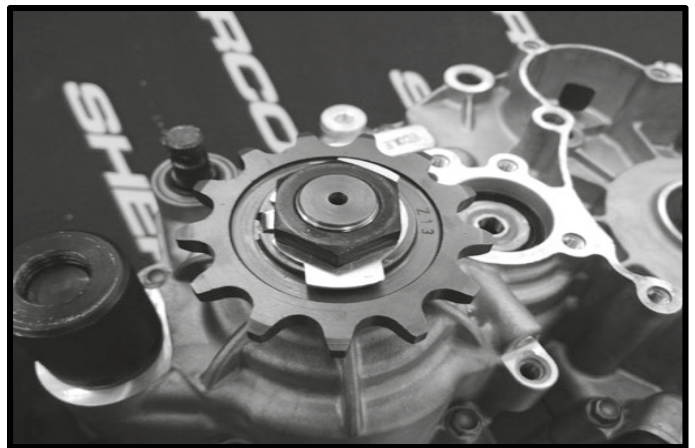
›| Clapper box and pipe intake

- Install a gearbox joint with new clappers.
- Place the complete clapper box into the intake pipe.
- Assemble the intake pipe with the four M6 screws and its metal collar.



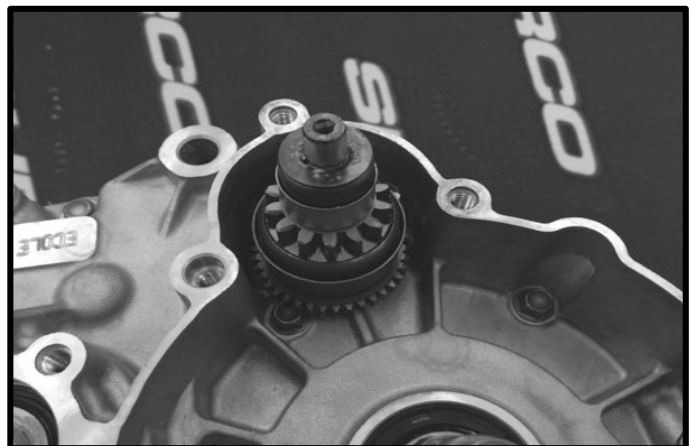
›| Gearbox output pinion

- Place the gearbox output pinion on the secondary shaft.
- Apply blue brake fluid on the threading.
- Insert the safety washer.
- Install the nut and tighten to 100 N-m.
- Re-bend the safety washer release finger on the nut



›| Assembly of the ignition starter

- Install the ignition starter.
- Lubricate the pinions using spay-on grease.



ENGINE REASSEMBLY

» Ignition assembly and its cover

- Place the half-moon wedge in its housing on the connecting rod assembly.
- Insert the rotor on the connecting rod assembly.
- Apply blue brake fluid on the threading.
- Insert tool 1815, install the nut and tighten to 80 N-m.
- Set up the 2 centering bushings.
- Introduce a new joint and fasten the ignition cover.

» Assembly of the electric starter

- Replace the O-ring on the starter by a new joint.
- Apply a bit of lubricant on the O-ring.
- Insert the starter into the right-hand casing.
- Fasten the starter with the 2 hex sprocket screws.
- Finish the step by oiling and then inserting the clutch control rod into the main shaft **[1]**.
- Assemble the speed selector with its screw and washer.
- Assemble the two drainage plugs with a new joint

CAUTION.

The transmission gearbox needs to be filled when the engine is returned to its frame; otherwise, a portion of the oil will leak from the main shaft

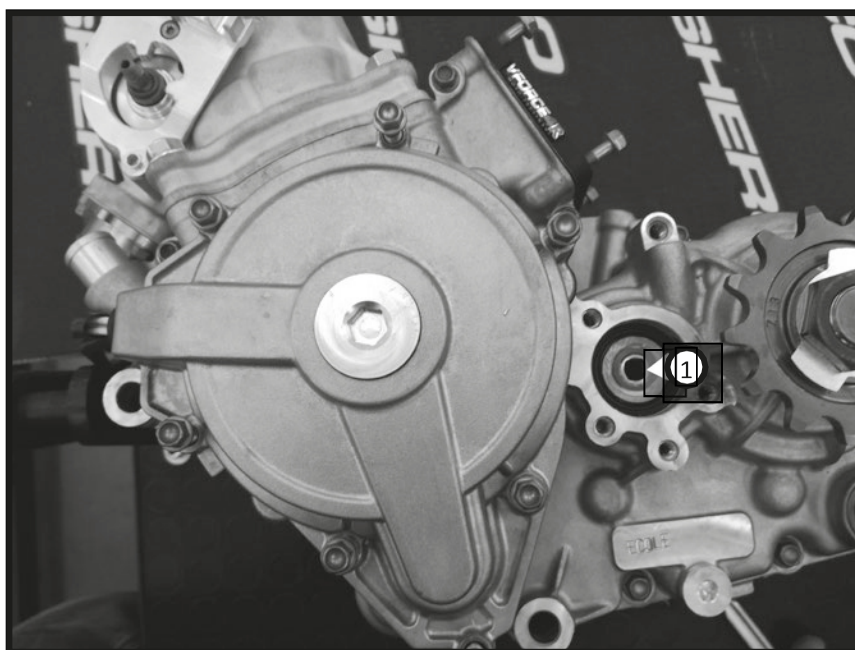


TABLE OF TIGHTENING TORQUES

Standard tightening torque	Brake fluid	
M5	6 Nm	
M6	10 Nm	
M8	24 Nm	
Chassis tightening torque	Brake fluid	
Rear wheel nut	100 Nm	
Rear cradle fastening screw	24 Nm	•
Front wheel nut	40 Nm	
Yoke foot clamping screw	15 Nm	
Brake pad axis screw	8 Nm	•
Lower yoke tee clamping screw	12 Nm	
Upper yoke tee clamping screw	17 Nm	
Engine screw	60 Nm	
Oscillating arm nut	100 Nm	
Cylinder head - frame screw	24 Nm	

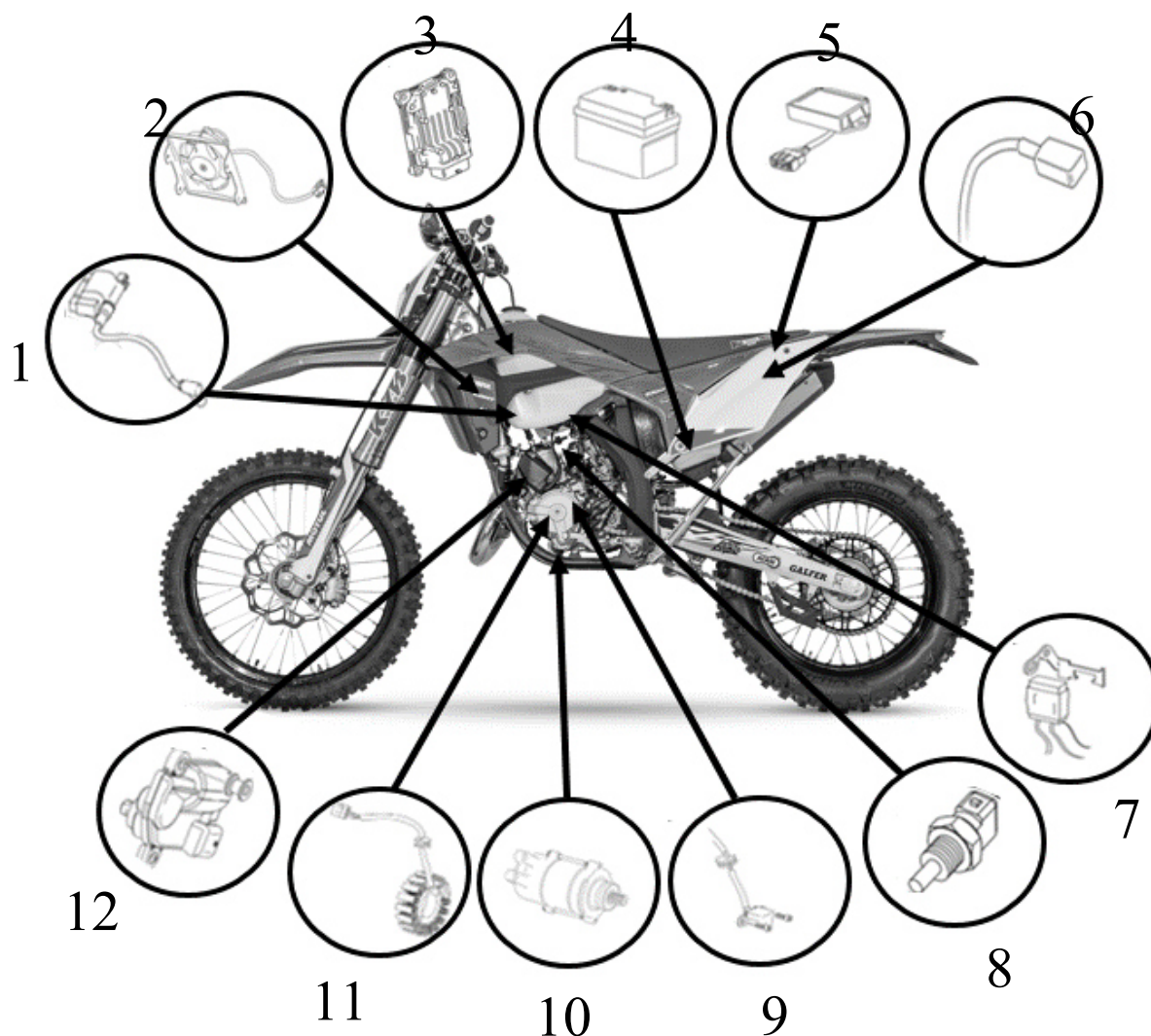
Engine tightening torque	Break fluid	
Revolution sensor screw	8 Nm	•
Coolant drainage screw	10 Nm	
Clutch slave cylinder screw	10 Nm	
Cylinder head, cross-patterned tightening torque	10 Nm	
Crankshaft inspection plug	8 Nm	
Clutch pressure plate screw	10 Nm	
Water pump casing screw	10 Nm	
Ignition wheel nut	80 Nm	•
Clutch drum nut	100 Nm	•
Main transmission pinion nut	100 Nm	•
Ignition casing screw	10 Nm	
Central casing screw	10 Nm	
Drum screw	10 Nm	•
Starter screw	10 Nm	
Cylinder screw	20 Nm	
Gearbox output pinion nut	100 Nm	•

TABLE OF CARBURETOR SETTINGS

ALTITUDE ↓	TEMPÉRATURE →	-20°C To -7°C	-6°C To 5°C	6°C To 15°C	16°C To 24°C	25°C To 36°C	37°C To 49°C
3000 m To 2301 m	Air screw Idle jet Needle Needle position Main Jet	1,5 T 40 N1EE 3 168	1,5 T 40 N1EE 3 168	1,75 T 38 N1EF 3 165	1,75 T 38 N1EF 3 162	2 T 38 N1EG 3 162	
2300 m To 1501 m	Air screw Idle jet Needle Needle position Main Jet	1,25 T 42 N1ED 3 170	1,5 T 40 N1EE 3 170	1,5 T 40 N1EE 3 168	1,75 T 40 N1EF 3 162	1,75 T 38 N1EF 3 162	2 T 38 N1EG 3 162
1500 m To 750 m	Air screw Idle jet Needle Needle position Main Jet	1,25 T 42 N1ED 3 170	1,5 T 40 N1ED 3 170	1,5 T 40 N1EE 3 168	1,5 T 40 N1EE 3 165	1,75 T 40 N1EF 3 165	1,75 T 40 N1EF 3 162
750 m To 301 m	Air screw Idle jet Needle Needle position Main Jet	1 T 45 N1EC 3 172	1,5 T 42 N1ED 3 172	1,5 T 42 N1ED 3 170	1,5 T 42 N1EE 3 168	1,5 T 40 N1EE 3 168	1,75 T 40 N1EF 3 165
300 m To 0 m	Air screw Idle jet Needle Needle position Main Jet	1 T 45 N1EC 3 175	1,25 T 45 N1ED 3 172	1,5 T 42 N1ED 3 170	1,5 T 42 N1EE 3 170	1,5 T 42 N1EE 3 168	1,5 T 40 N1EE 3 168

ELECTRICAL PART

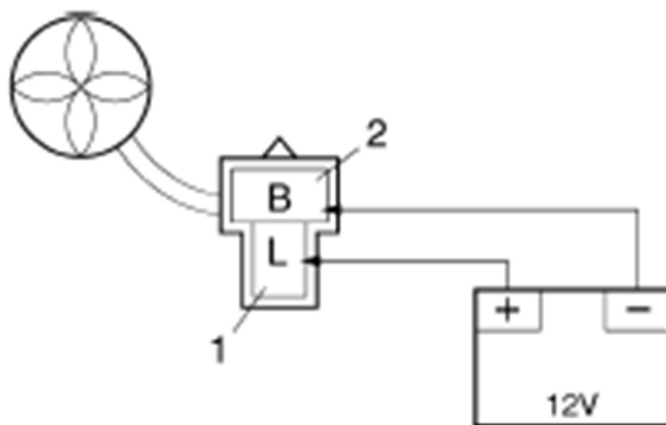
» Electrical components



Position	Designation	Position	Designation
1	Coil	7	CDI
2	Fan	8	Temperature sensor
3	ECU	9	Hall sensor
4	Battery	10	Starter
5	Regulator	11	Alternator
6	Relays	12	Valve motor

1- Fan control

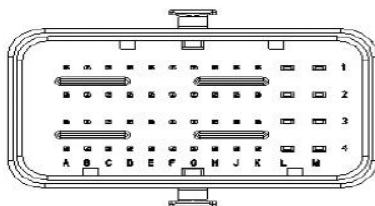
- Disconnect the fan from the harness.
- Connect a 12v battery directly to the fan as shown in the diagram.
- Check to make sure the fan run smoothly without any excessive noise.



2-CDI

1	VSENS	CAN_H	CAN_L	CPS -	CPS +	protecte d	protecte d	protecte d	protecte d	Main Relay	VBR	IGN
2	ACC_R	Rpm Gauge	Caniste r Purge	TSV	protecte d	MAP	SGND2	protecte d	Stop SW	FAN Motor (optional)	Heate R	protecte d
3	ACC_L	MIL	SGND1	STA2	ground	TIA	TPS	VEH SPEED	protecte d	protecte d	FUEL pump	PGND
4	VBK	VBD	STB2	STA1	STB1	TCO	Heate r	protecte d	Carto SW	protecte d	INJ (0)	PGND
	A	B	C	D	E	F	G	H	J	K	L	M

Grounds
Supplies
Logic or Freq inputs
VR Freq inputs
Freq outputs
Analog inputs
Logic or Analog inputs
Communications lines
1A outputs
ATM36 outputs
ignition



3-Checking voltage regulator

- Voltage regulator:

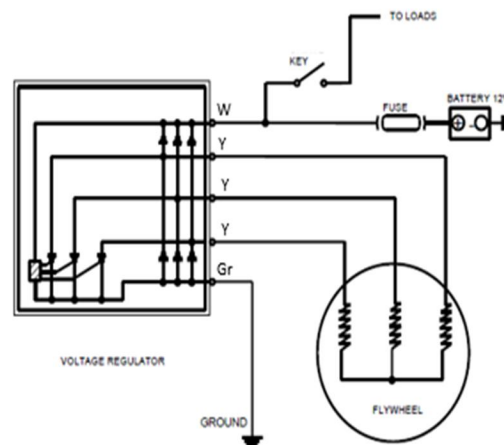
On regular output (With wire)

A 3500 RPM/min: 14.4V +/- 0.5V

- Checking diode bridge:

Connect a multimeter between the positive (With wire) and each of the phases (Yellow wire)

The resistance should only be measured in one direction.



ELECTRICAL PART

4-Battery check

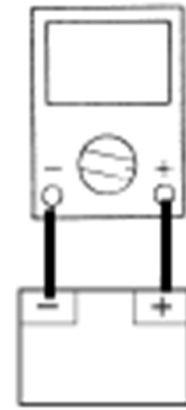
- Connect a multimeter to the + and – battery terminals and check its voltage

Value read:

12.8V → Battery charged

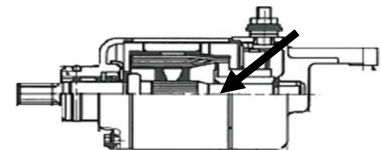
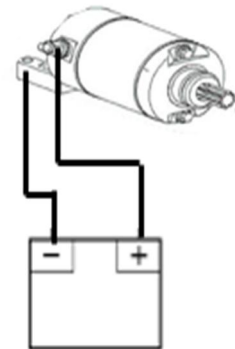
12.7V or less → Charge battery

Less than 12V → Replace battery



5-starter check

- Remove the starter and position it in a vice
- Connect a battery directly to the starter (positive on the starter terminal and the negative on the starter body) as shown in the diagram.
- In the event of abnormal operation, open the starter and clean the contacts between the starter brushes and the armature.



6-Checking the alternator

- Checking the resistance of the alternator windings.

Connect a multimeter between each phase of the alternator (Yellow wire) and measure the resistance.

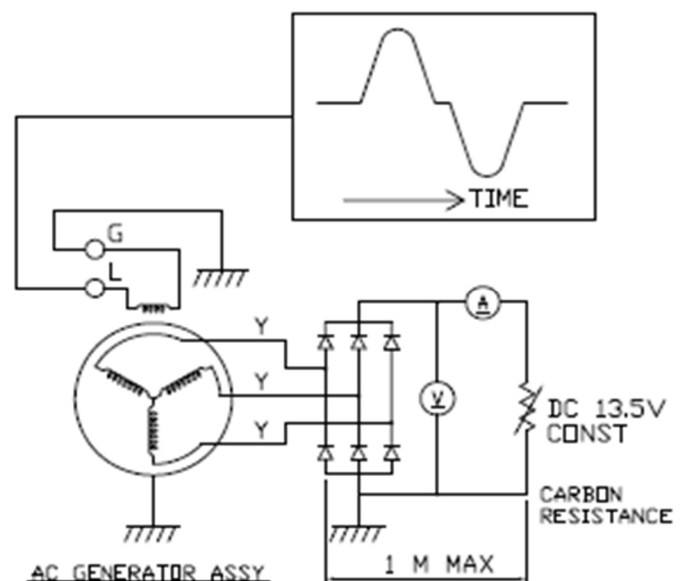
Winding resistance: $0.44\Omega \pm 15\%$

- Checking the output voltage of the alternator.

Connect the multimeter between each phase of the alternator (Yellow wire) and ground (Multimeter in alternative position) Measure the output voltage.

Idling: 22V $\pm$ 2V

At 6000 RPM: 77V $\pm$ 3V



7-Checking the (crankshaft) hall sensor

- Sensor resistance check.

Connect the multimeter between the red and green wire of the sensor and measure the resistance.

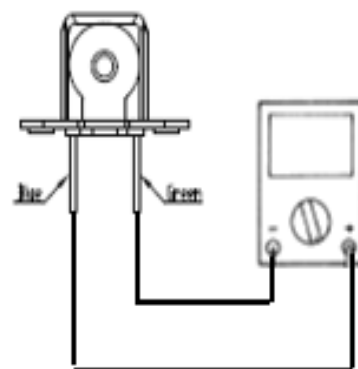
Sensor resistance: 100 Ω +/- 20%

- Checking the output voltage of the sensor.

Connect a multimeter between the blue wire and ground and measure the voltage.

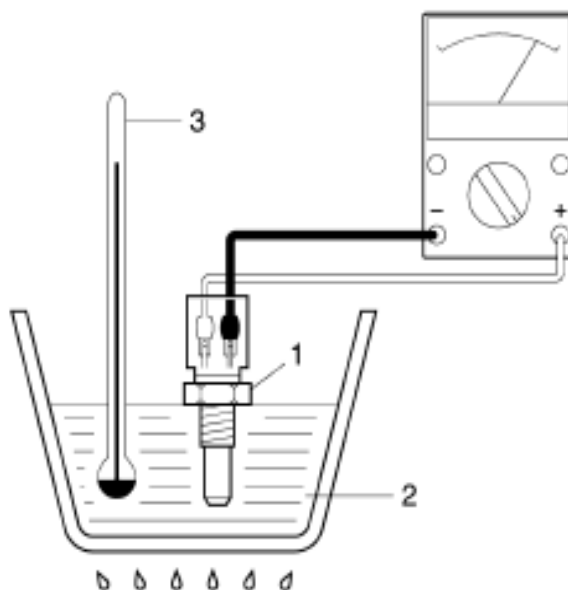
At 300 RPM: 1.7V minimum

At 10000 RPM: 120V maximum



8-Temperature sensor check

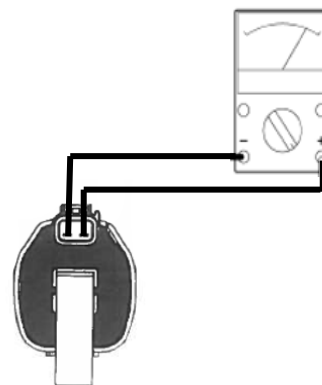
- Drain the coolant.
- Remove the temperature sensor.
- Immerse the sensor [1] in a container filled with cooling liquid [2] and leave the terminals out of the liquid.
- Immerse a thermometer [3] in the liquid to observe the temperature.
- Heat the liquid slowly and check the resistance of the sensor using a multimeter connected as shown in the diagram as a function of the liquid temperature.



TEMPS (°C)	RESISTANCE (Ω)
25	3000
30	2415
40	1620
50	1081
60	748
70	528
80	379
90	278
100	206

» 9-Checking the ignition coil

- Remove the ignition coil.
- Using a multimeter, measure the coil resistance in the following manner.
- **Coil resistance: $0.75\ \Omega \pm 10\%$ à 25°C**

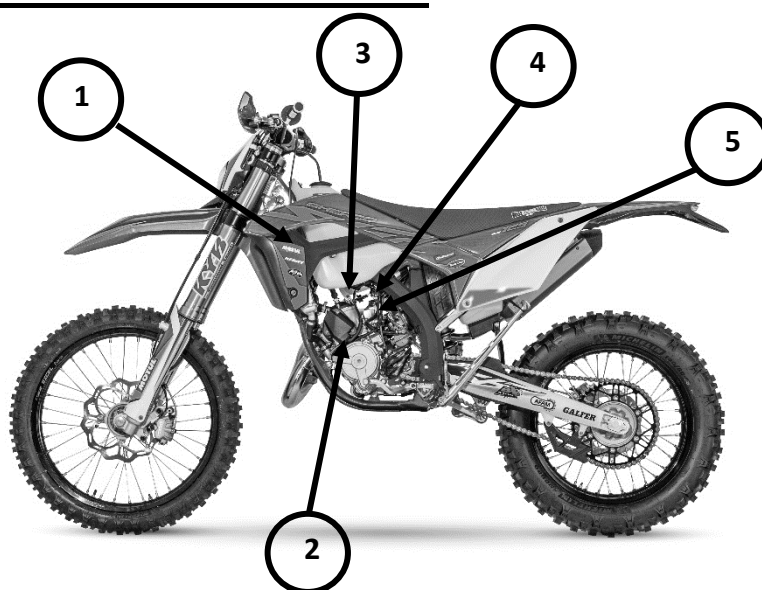


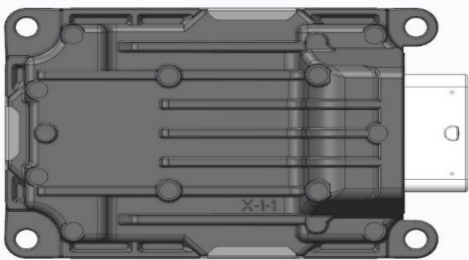
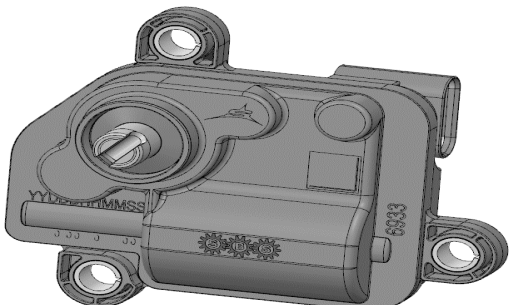
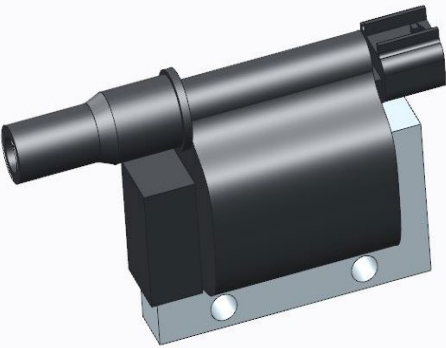
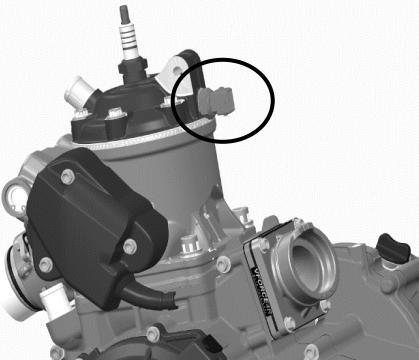
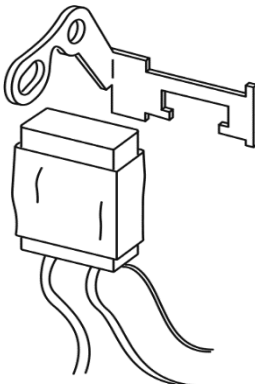
» 10-Checking the valve moto.

- In order to check the valve motor, refer to the diagnostic check: [3.4 Actuator test \(Page : 55\)](#)

SYNERJECT SYSTEM PRESENTATION

1.1- Components Identification



1 Synerject M3C : 3459	2 Valve motor : 6933	
		
3 Ignition coil: Ref 3461	4 Temperature sensor: Ref 0380	5 Additional CDI : Ref 10108
		

1.2- Description Exxodiag diagnostic Tools Ref: kit 8561

The diagnostic tool allows you to perform diagnostic operations, make updates to the injection mapping and to determine certain information (serial number, hours...)

1.3- Diagnostic tool kit contents.

The diagnostic kit (Ref : 8561) consists of a USB to MUX output cable, a MUX device, a MUX to motorcycle diagnostic connector cable, a shunt and a user manual.

http://download.annecyelectronique.com/Exxodiag/Sherco/ShercoDiag_Setup.exe

1.4- Installation of the diagnostic tool.

*In case of problem during the installation please contact EXWOTEST at
+33 (0)4 50 02 34 34 or by mail to courrierxxotest.com.*

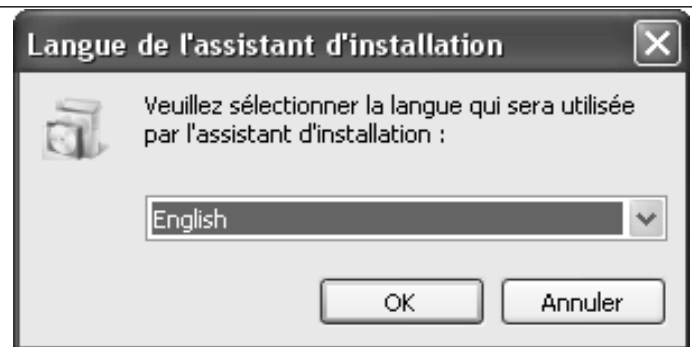
A- Installing the software and drivers

- Open the installation link on your computer

- Run “ sherco_setup”



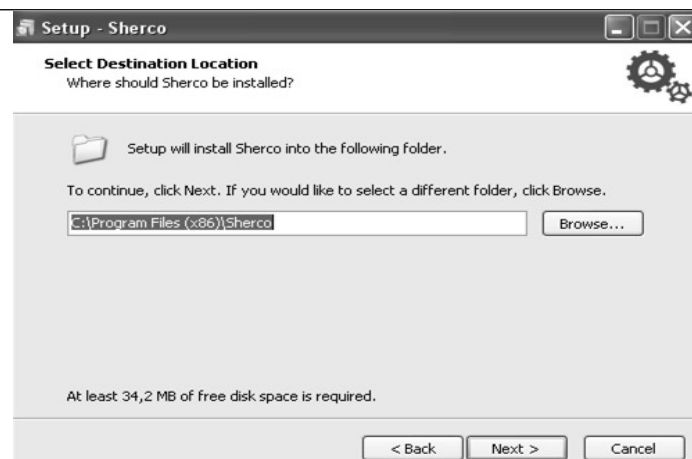
- Select the desired language.



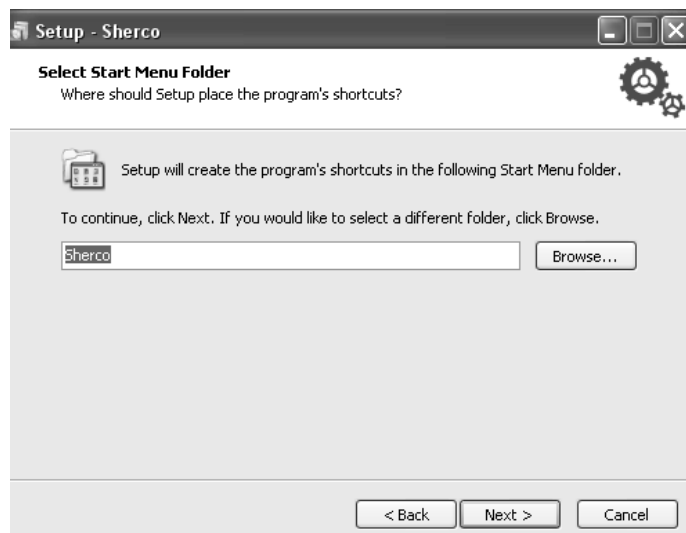
- Click on “Next”.



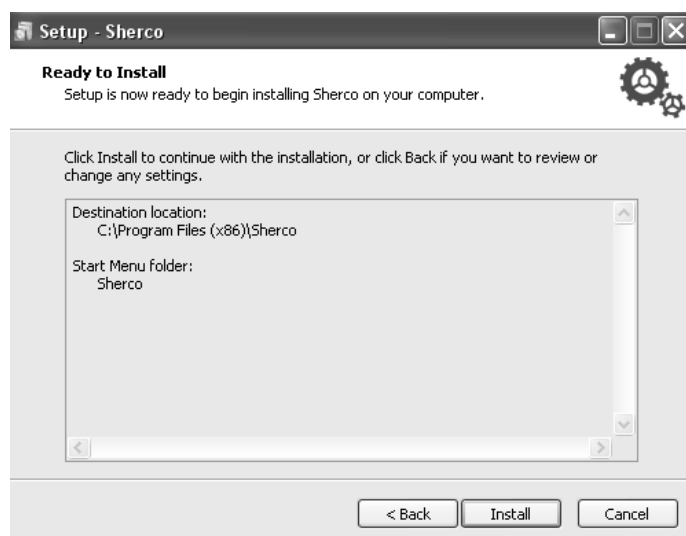
- Select the folder where you want to install the software.



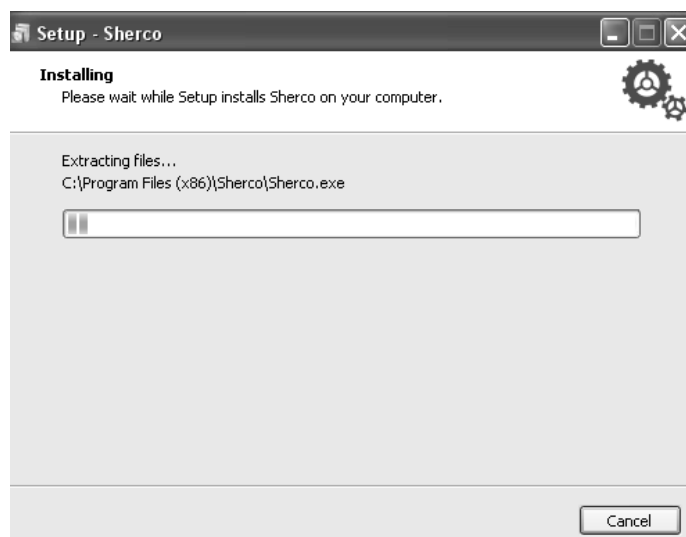
- Click on “Next”.



- Click on « Install ».



- Installation in progress.



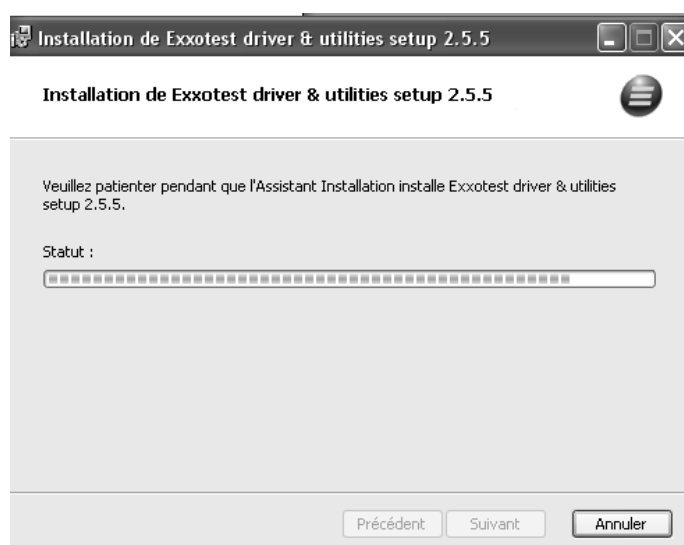
- Check the box “Start the driver installation” and click on “Finish”.



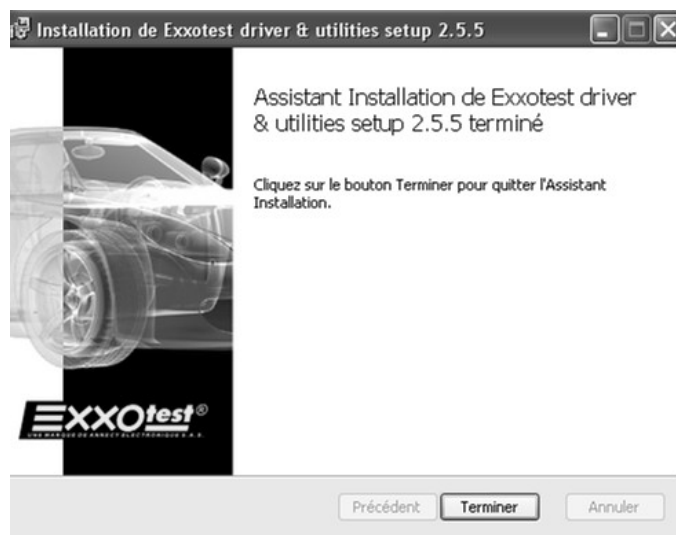
- The next window opens. Read the terms of the License Agreement Check « I accept the terms of the License Agreement » and « Install »



- Installation in progress.



- The following window will open. Click on « Finish »



Installation is now complete.

B-Connection between computer, « Muxdiag II » and motorbike

Connect the cable to the diagnostic connector of the motorcycle.

Make sure the “Muxdiag II “unit is properly powered by checking the LED:

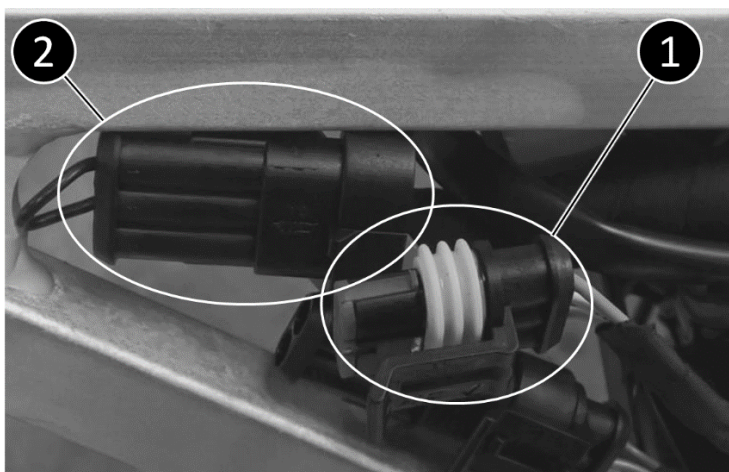
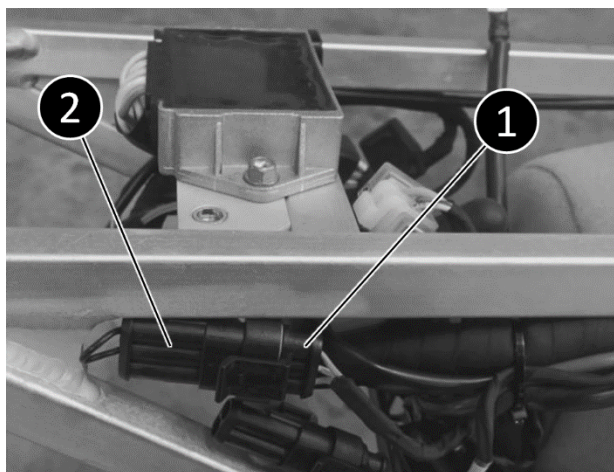
- **Fixed blue:** Computer connection properly established.
- **Flashing blue:** Computer connection in progress.
- **Blue off:** No connection with the computer, or device in standby, it can also indicate a problem with the USB connector.
- **Fixed green:** Firmware issue.
- **Flashing green (slow):** Correct execution of the firmware.
- **Flashing green (quick):** Communication with the computer in progress.
- **Green off:** No firmware.
- **Fixed red:** Correct power supply to the card.
- **All LEDs off:** The outlet is not powered on, or is off or USB is on standby mode.

PRESENTATION OF THE SOFTWARE

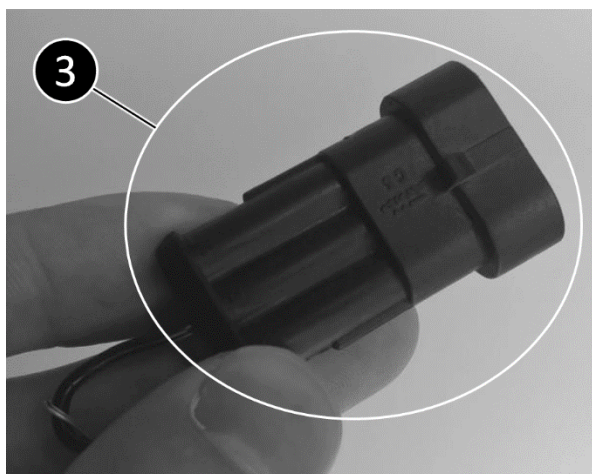
2.1- Connection with keyless system

Sherco has equipped its motorbikes with a “keyless” system that allows keyless operation and automatically turns off the ignition after 30 seconds of inactivity. This last point prevents the diagnosis from being made; which is why it is essential to follow the following step before any operations

1. Remove the plug **1** from the connector **2** (located on the rear sub frame – on the right part of the bike).



2. Take the shunt **3** (Ref: 6267) and connect the plug **1** into it.



3. You can now do the diagnostic by following the next explanations.

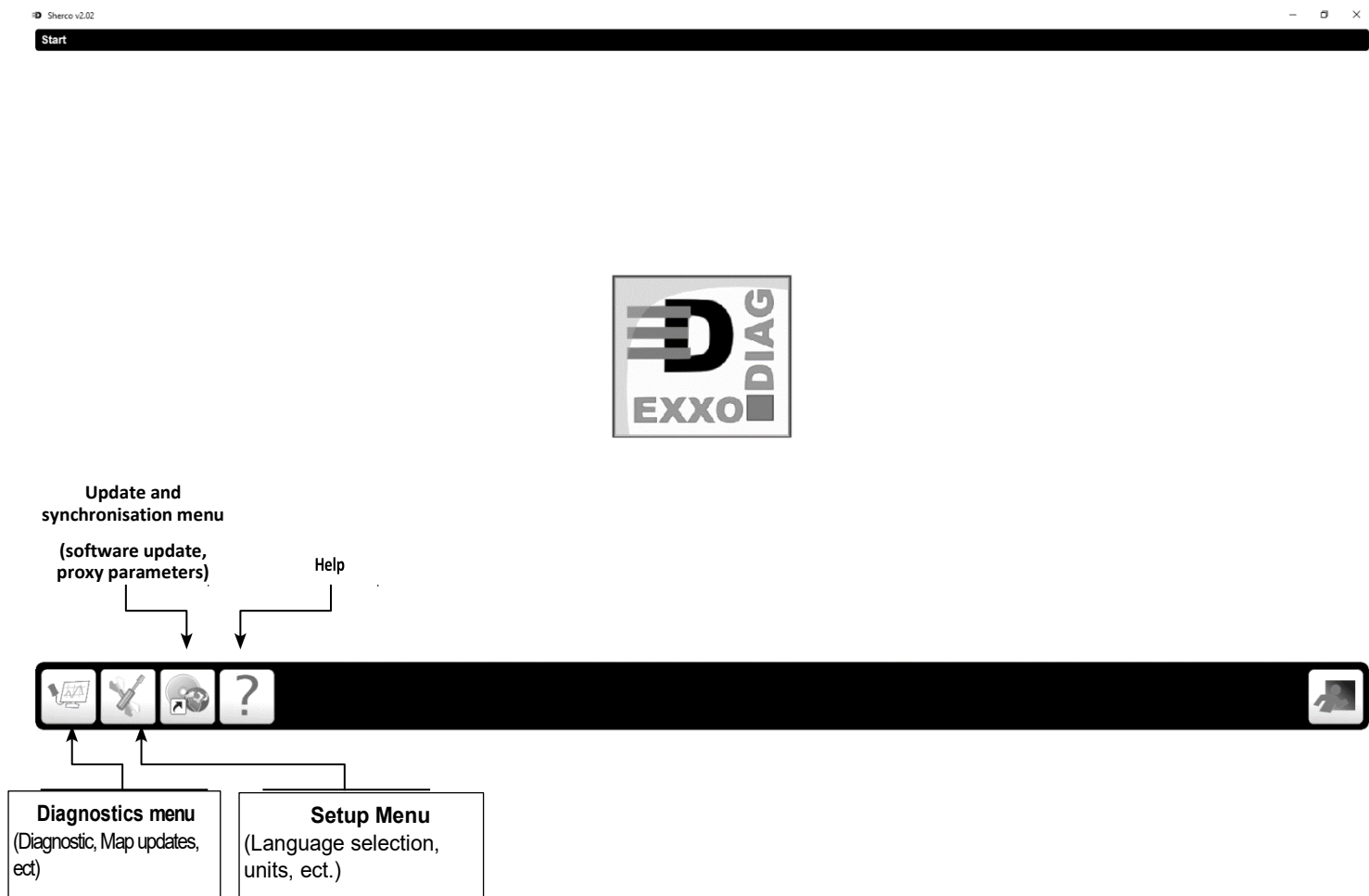
Information: To set up the connection with the motorcycle, the motorcycle must be switch on with the shunt.

To navigate through the different menus, only the USB cable with the “Muxdiag II” box must be connected to the computer.

Start the software using the icon on your desktop:



The following menu will come up:



2.2- Software settings

- Configuration menu:



In this menu, you can modify:

- The diagnostic plug. You can refresh the list by hitting the button.



The number must match the number of your « Muxidiag II » device.

- The language available in the software: French, English, Spanish, Portuguese, German, Italian.

Make a software update; see: [2.3- Update menu and synchronization \(Page 49\)](#)

- Set the units.

- Click  to return to the home screen.

- Click  to save the changes.

Configuration

	Communication peripheral	No peripheral	
	Language	English	
	Authorization level	After sales	
	Type of unit	☒ "Default" unit ☐ Equivalent unit	



Configuration

	Communication peripheral	No peripheral	
	Language	English	
	Authorization level	After sales	
	Type of unit	☒ "Default" unit ☐ Equivalent unit	

2.3- Update menu and synchronization



A- in this menu, you can update the diagnostic software tool.

- To find out if an update is available, check that you have an internet connection, then click on the following icon



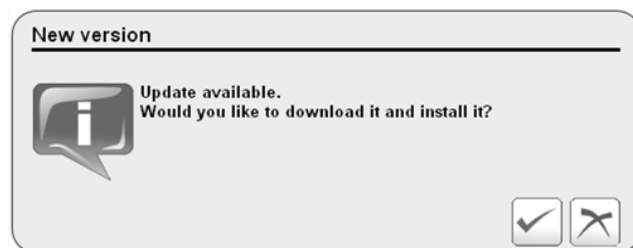
- If an update is available this window will appear :



- If no update is available, the following window will appear :



- Click on  to start downloading the update.



- The following message will come up.
- Click on  to start the installation



- Repeat the installation steps. It is not necessary to repeat the driver installation.

B- Configuration of internet access parameters

It may be necessary to set up a proxy server to access the internet.

- Click on



- Fill in the following settings necessary

Configuration of proxy settings

- ☐ None
- ☒ Use the following settings

Customized settings

Address / Port		
User		
Password		

- Click on  to save your changes.

3 - Use of the software

Diagnostic menu and injection mapping update.



General

- Click on « Sherco' ».

Choose vehicle

After sales USB MUX DIAG V2 N°5438		Sherco
---------------------------------------	----------------------	---------------------------------------

- Click on « M3C ».

Choose ECU

After sales USB MUX DIAG V2 N°5438 Sherco		M3C
---	----------------------	------------------------------------

- You reach the following menu :

Choose vehicle

After sales USB MUX DIAG V2 N°5438 Sherco M3C		Identification
		Parameter reading
		Trouble codes reading
		Trouble codes clearing
		ECU updating
		Actuator tests

3.1 Identification

Identification check (Serial number, Vehicle operating hours, calibration number....)

Reading of current setting...

Factory USB MUX DIAG V2 N°5438 Sherco M3C	VIN code	VNBS430E32B001821
	Overall engine operating hour counter	0.0 h
	ECU Board Serial Number	2011929783
	Software Version	QR010010
	Hardware Version	S180037040Z9
	Calibration	25EUS01.

3 - Use of the software

Diagnostic menu and injection mapping update.



General

- Click on « Sherco' ».

Choose vehicle

After sales USB MUX DIAG V2 N°5438		Sherco
---------------------------------------	----------------------	---------------------------------------

- Click on « M3C ».

Choose ECU

After sales USB MUX DIAG V2 N°5438 Sherco		M3C
---	----------------------	------------------------------------

- You reach the following menu :

Choose vehicle

After sales USB MUX DIAG V2 N°5438 Sherco M3C		Identification
		Parameter reading
		Trouble codes reading
		Trouble codes clearing
		ECU updating
		Actuator tests

3.1 Identification

Identification check (Serial number, Vehicle operating hours, calibration number....)

Reading of current setting...

Factory USB MUX DIAG V2 N°5438 Sherco M3C	VIN code	VNBS430E32B001821
	Overall engine operating hour counter	0.0 h
	ECU Board Serial Number	2011929783
	Software Version	QR010010
	Hardware Version	S180037040Z9
	Calibration	25EUS01.

A.Measurement of parameters:

General parameters (Speed, temperature, pressure ect....)

Choose category...



After sales



USB MUX DIAG V2
N°5438



Sherco



M3C

Engine information

Throttle Position

Misc

B.Engine information

The main values of the system appear:

Reading of current setting...



After sales



USB MUX DIAG V2
N°5453



Sherco



M3C



RPM

0 tr/mn

Engine Temperature

31 °C

Battery Voltage

11.9 V

Air temperature

28 °C

Ambient pressure

1012 mb

Stepper position

0

Throttle position

0 %

3.2 Reading trouble codes

If you click on « trouble code reading » the system start checking.

Choose vehicle



After sales



USB MUX DIAG V2
N°5438



Sherco



M3C

Identification

Parameter reading

Trouble codes reading

Trouble codes clearing

ECU updating

Actuator tests

- If no trouble codes appears exit the menu by clicking on this icon :



- If trouble codes appears :

Breakdown list...

After sales

USB MUX DIAG V2
N°5438

Sherco

M3C

Fugitive failure

Permanent failure

Throttle Position Sensor (P0122)

Electric fuel pump (P0231)

Air pressure sensor (P0107)

Intake air temperature sensor (P0113)

Stepper motor (P1508)

Cooling fan (P0485)

- You can get the details of the default by clicking on the default display :

Details of breakdown code...

After sales

USB MUX DIAG V2
N°5438

Sherco

M3C

Throttle Position Sensor (P0122)

Short circuit to ground or overload

- Number of occurrence of present failure = 59

- RPM = 0 tr/mn

- Engine Temperature = -40 °C

- Battery voltage = 4.0 V

- Air Temperature = 29 °C

- Ambient pressure = 64 mb

- Applied Ignition angle = -29 °CRK

- Injection Time = 35 ms

- Engine state = ES

- Overall engine operating counter = 0 h

- Engine operating minute counter since last engine start = 237 min

- Throttle Position in degrees = 0 °TPS

- Intake manifold air pressure = 1360 mb

- Mass air flow = 40 mg/tdc

- Adaptive value of integral term of the idle speed controler = -50.00 %

- Record the defaults and exit the by clicking on this icon
- Record the defaults and exit the menu by clicking on :



Note:

1- **Fugitive/Permanent fault:** A fugitive fault becomes permanent after variable number of engine cycles depending on the components (injector, fuel pump, etc.). For a permanent fault to disappear, it is necessary to wait 40 engine cycles without the fault appearing.

2- **Fan fault:** If there is no fan installed on the motorbike, there will always be a rise in the fan fault (P0485).



3.3 Erasing fault codes

A. If fault code appears: go to the menu "trouble code cleaning ".

Choose vehicle

 After sales	Identification
 USB MUX DIAG V2 N°5438	Parameter reading
 Sherco	Trouble codes reading
 M3C	Trouble codes clearing
	ECU updating
	Actuator tests



Clear all Diagnostic Trouble Codes ?

- Click on in order to clear all the defaults codes :



- The following window appear:

Current service in execution...

 After sales
 USB MUX DIAG V2
N°5438
 Sherco
 M3C

 Service in execution...

Information

 Erasing of trouble codes successful.



- Confirm by clicking on :



B. Return to the “trouble code reading” menu

Choose vehicle

After sales	Identification
USB MUX DIAG V2 N°5438	Parameter reading
Sherco	Trouble codes reading
M3C	Trouble codes clearing
	ECU updating
	Actuator tests

- Check and make sure that the default are the same as before. Check / Replace the defective parts.
- Check all the connections.

3.4 Actuator test

In addition to reading the trouble codes, you can also test certain system components:

Sherco v2.02

Choose actuator test...

After sales	Ignition coil
USB_MUX_DIAG_V2_LT N°1182	Injector
Sherco	Fuel pump
M3C - 2-stroke with carburettor	Cooling Fan
	Stepper motor
	Exhaust valve learning

1- Ignition coil

When you launch the ignition coil test, the following message will appear:

Warning previous to service launching...



No diag nor failure detection while engine is stopped.
Check that coil make a noise.

SHERCO





DIAGNOSTIC TOOL SYNERJECT

The system is not able to detect an ignition coil failure with the engine stopped. The test result will be the same if the coil is faulty or not. Therefore, when testing the ignition coil make sure that the engine makes the correct sound for a properly functioning ignition coil.

Sherco v2.02

— □ ×

Warning previous to service launching...



After sales



USB_MUX_DIAG_V2_LT
N°1182



Sherco



M3C - 2-stroke with
carburettor



No diag nor failure detection while engine is stopped.
Check that coil make a noise.



2- Cooling fan

For the fan, the test is “standard” and the fault or correct operation will appear as a classic default.

Sherco v2.02

— □ ×

Choose actuator test...



After sales



USB_MUX_DIAG_V2_LT
N°1182



Sherco



M3C - 2-stroke with
carburettor

Ignition coil

Injector

Fuel pump

Cooling Fan

Stepper motor

Exhaust valve learning

3- Valve motor learning

Sherco v2.02

— □ ×

Choose actuator test...



After sales



USB_MUX_DIAG_V2_LT
N°1182



Sherco



M3C - 2-stroke with
carburettor

Ignition coil

Injector

Fuel pump

Cooling Fan

Stepper motor

Exhaust valve learning

3.5 ECU update

With the diagnostic tool, it is possible to update the ignition maps (calibration). For a Racing silencer, for example, or because an update is proposed by the factory.

You must pay attention to the model, the displacement, the type of exhaust, ect...

In case of doubt, contact the technical support:

1. Download the desired update (file “.mot”)

ShercoNetwork→Information→Technical information→Injection map.

SHERCO NETWORK			
Technical information			
ALL	SPAREBOOK	OWNER'S MANUAL	WORKSHOP MANUAL
TECHNICAL NOTE	TECHNICAL SHEET	INJECTION MAP	Yes
ALL			
Date	Description	File	View
25/11/2020		302CD03 300 SE-R 2021.mot	DOWNLOAD
25/11/2020		252CD02 250 SE-R 2021.mot	DOWNLOAD
16/09/2020		255EUR02 250 SEF AKRAPOVIC 2021.mot	DOWNLOAD
14/09/2020		454EUR06 450 SEF 2021 AKRAPOVIC.mot	DOWNLOAD
14/09/2020		305EUR02 300 SEF AKRAPOVIC 2021.mot	DOWNLOAD
16/07/2020		504EUR01 500 SEF 2021 STANDARD.mot	DOWNLOAD
16/07/2020		504EUR02 500 SEF AKRAPOVIC 2021.mot	DOWNLOAD
16/07/2020		454EUR03 450 SEF 2021 STANDARD.mot	DOWNLOAD
01/07/2020		305EUR01 300 SEF STANDARD 2021.mot	DOWNLOAD
27/01/2020		304EUR05 300 SEF AKRAPOVIC 2020.mot	DOWNLOAD
18/10/2019		254EUR05 250 SEF AKRAPOVIC 2020.mot	DOWNLOAD
12/06/2019		504EUR01 500 SEF 2020 STANDARD.mot	DOWNLOAD
12/06/2019		504EUR02 500 SEF AKRAPOVIC 2020.mot	DOWNLOAD
12/06/2019		454EUR03 450 SEF 2020 STANDARD.mot	DOWNLOAD
12/06/2019		454EUR04 450 SEF 2020 AKRAPOVIC.mot	DOWNLOAD

2. Power up the motorcycle

3. Click on “ECU updating”

Choose vehicle

After sales

USB MUX DIAG V2 N°5438

Sherco

M3C

Identification

Parameter reading

Trouble codes reading

Trouble codes clearing

ECU updating

Actuator tests



Update ECU now ?

Confirm by clicking on this icon:



Select the previously downloaded calibration “.mot” and click open.

4. The file is being downloaded



Downloading ... (14.2%)

WARNING

Do not switch off the motorbike power supply during the download operation.

Do not switch off the software during the flash

Risk off irremediable damage to your ECU.

5. At the end of the updating the following message will appear:

INFORMATION: Download was successful

Confirm by clicking on:



6. Check the correct allocation of the calibration file by selecting « Identification »

Choose vehicle	
After sales USB MUX DIAG V2 N°5438 Sherco M3C	Identification
	Parameter reading
	Trouble codes reading
	Trouble codes clearing
	ECU updating
	Actuator tests

Check to make sure that the file name matches the file that was download.

Reading of current setting...

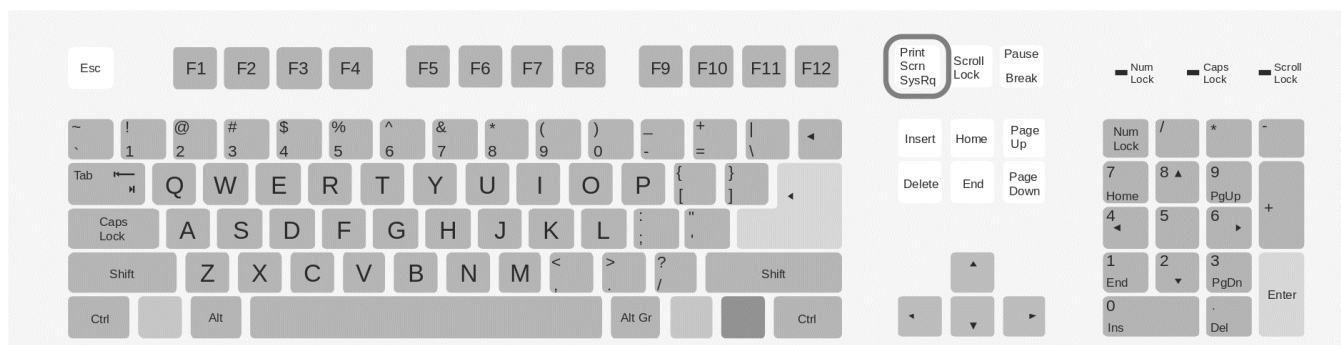
After sales	VIN code	@@@
USB_MUX_DIAG_V2_LT N°1115	Overall engine operating hour counter	151.4 h
Sherco	ECU Board Serial Number	2022042259
M3C	Software Version	QR111010
	Hardware Version	S18003704029
	Calibration	302TSC05

Information: Serial N° and operating hour's information is not rest during a calibration update.

- Put the "Shunt" back on the connector in the air box to switch back to "Keyless" mode.
- The procedure of the ECU power latch will proceed during 20 seconds.
- Wait 30 seconds for the ECU to turn off before starting the motorbike.
- Star the motorbike, switch it off and wait another 30 seconds before the next start.
- Start the motorbike and check that the engine parameters are normal.

3.6 Print screen function

In the event of communication with technical support and to enable quick identification of possible problems, you can attach screen print files to your message using the print screen key on your keyboard as shown below.



The "identification" tab is very important for good communication (serial number of the motorbike, engine hours, calibration, etc....)

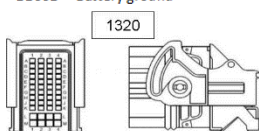
Reading of current setting...

Factory	VIN code	VNBS430E32B001821
USB_MUX_DIAG_V2 N°5438	Overall engine operating hour counter	0.0 h
Sherco	ECU Board Serial Number	2011929783
M3C	Software Version	QR010010
	Hardware Version	S18003704029
	Calibration	25EUS01.

WIRING DIAGRAM

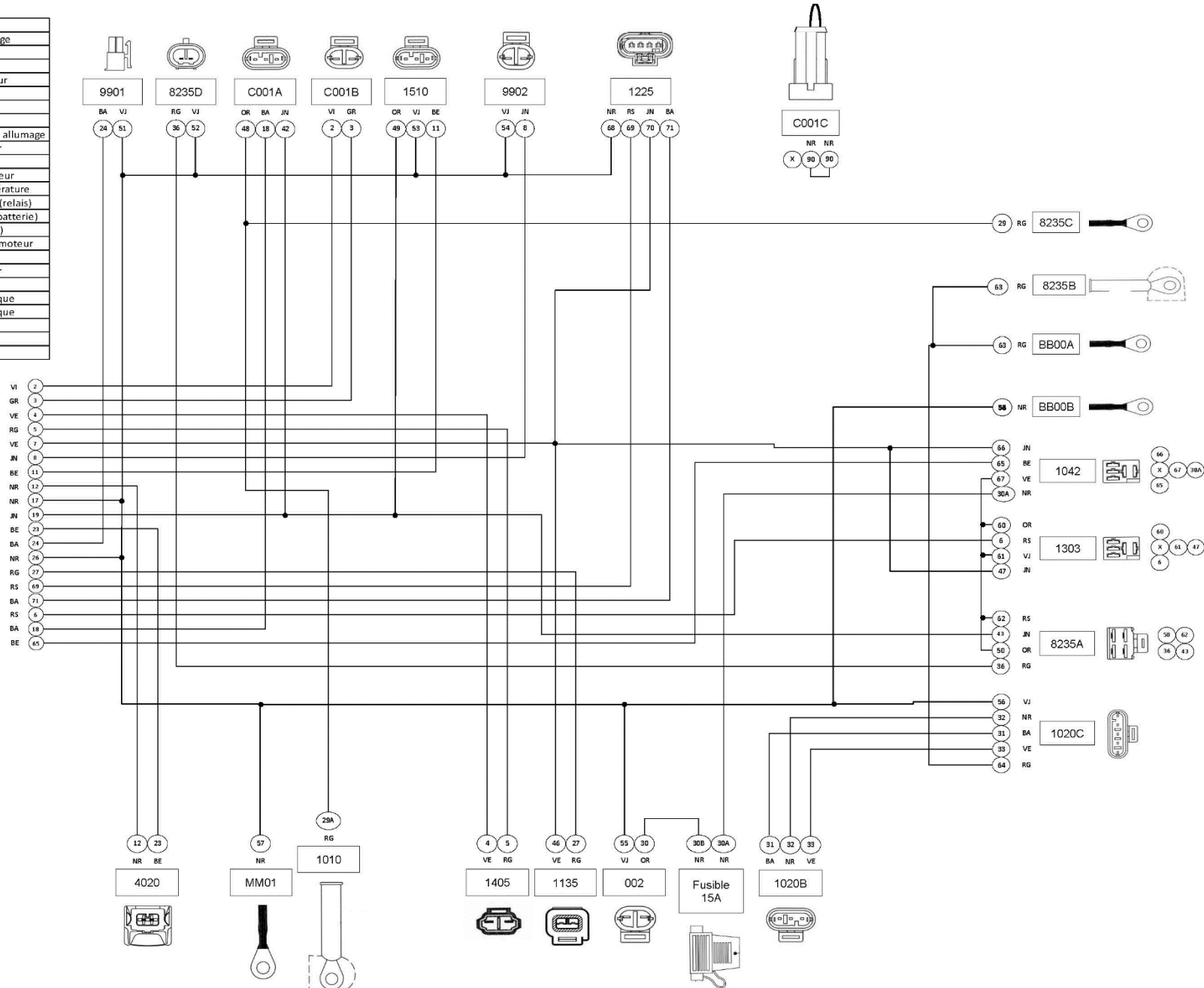
II Main harness (Ref: 7107)

Description	
002	Light switch
1010	Starter
1020B	Alternator
1020C	Regulator
1042	Main relay
1135	Ignition coil
1225	Actuator
1303	Ignition relay
1320	Engine ECU
1405	Crankshaft sensor
1510	Fan
4020	Temperature sensor
8235A	Starter switch (Relay)
8235B	Starter switch (Battery)
8235C	Starter (Engine)
8235D	Starter switch engine
9901	Map switch
9902	Kill switch
BB00A	Battery
C001A	Diagnostic plug
C001B	Diagnostic plug
FUSE	Fuse 15A
MM01	Ground
BB00B	Battery ground



		2	3	4	
A	X	69	65	11	A
B	2	X	X	19	B
C	3	X	12	X	C
D	4	X	X	X	D
E	5	X	X	X	E
F	X	X	X	23	F
G	X	X	X	X	G
H	X	X	71	X	H
J	X	8	X	24	J
K	6	11	X	X	K
L	7	X	X	X	L
M	27	X	17	26	M
	1	2	3	4	

	CODE COULEUR	
	FR	GB
BA	Blanc	White
BE	Bleu	Blue
GR	Gris	Grey
JN	Jaune	Yellow
MR	Marron	Brown
NR	Noir	Black
OR	Orange	Orange
RG	Rouge	Red
RS	Rose	Pink
VE	Vert	Green
VI	Violet	Violet
VJ	Vert/Jaune	Green/Yellow

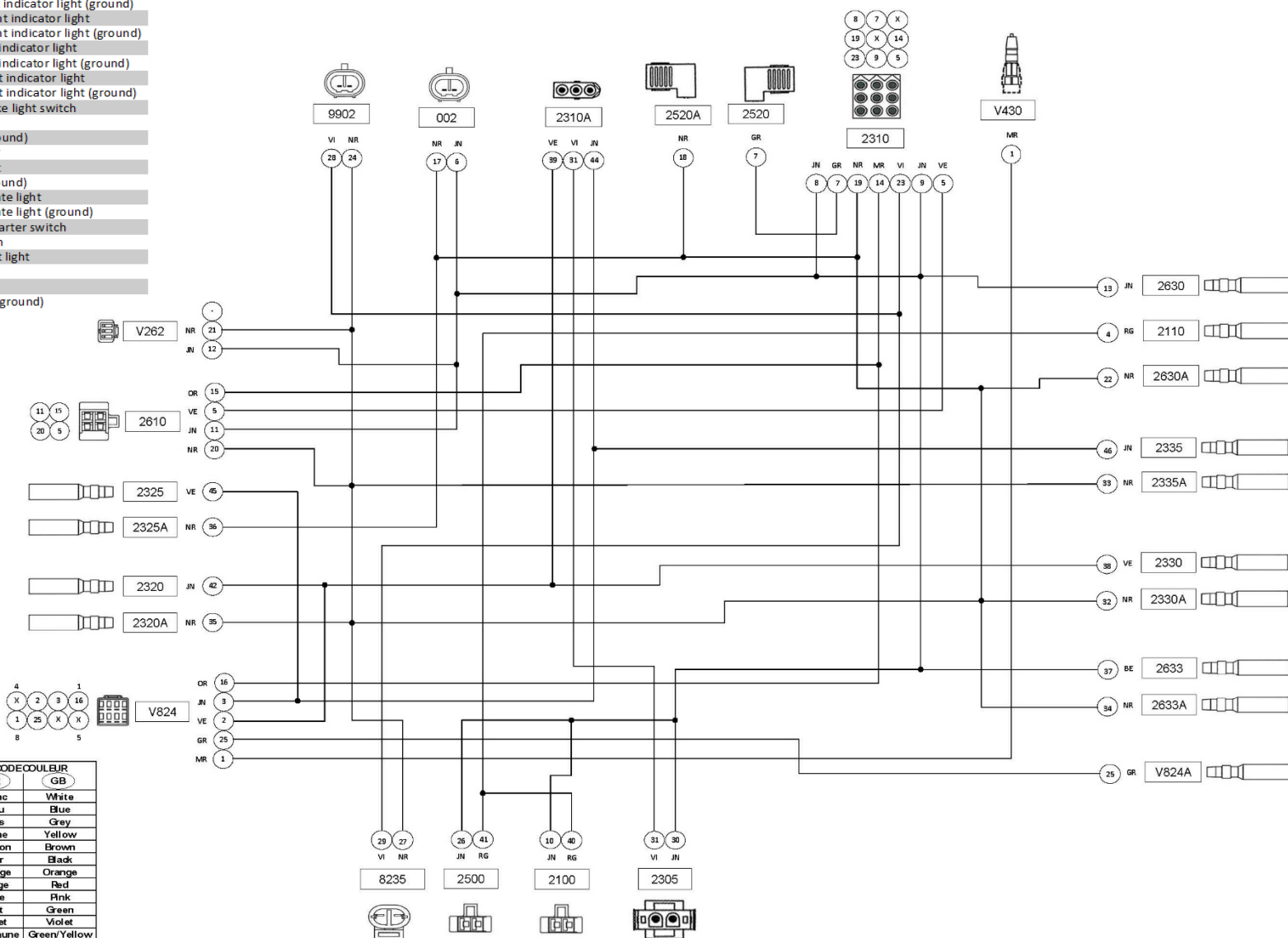


WIRING DIAGRAM

I Homologated light diagram (Ref: 8145)

description

002	Light signal switch
2100	Stop switch
2110	Brake light
2305	Indicative light relay
2310	Headlight switch
2310A	Light switch
2320	Front left indicator light
2320A	Front left indicator light (ground)
2325	Front right indicator light
2325A	Front right indicator light (ground)
2330	Rear left indicator light
2330A	Rear left indicator light (ground)
2335	Rear right indicator light
2335A	Rear right indicator light (ground)
2500	Rear brake light switch
2520	Hom
2520A	Hom (ground)
2610	Projector
2630	Rear light
2630A	Light (ground)
2633	Police plate light
2633A	Police plate light (ground)
8235	Engine starter switch
9902	Kill switch
V262	Headlight light
V430	Fuel light
V824	EFI light
V824A	EFI light (ground)

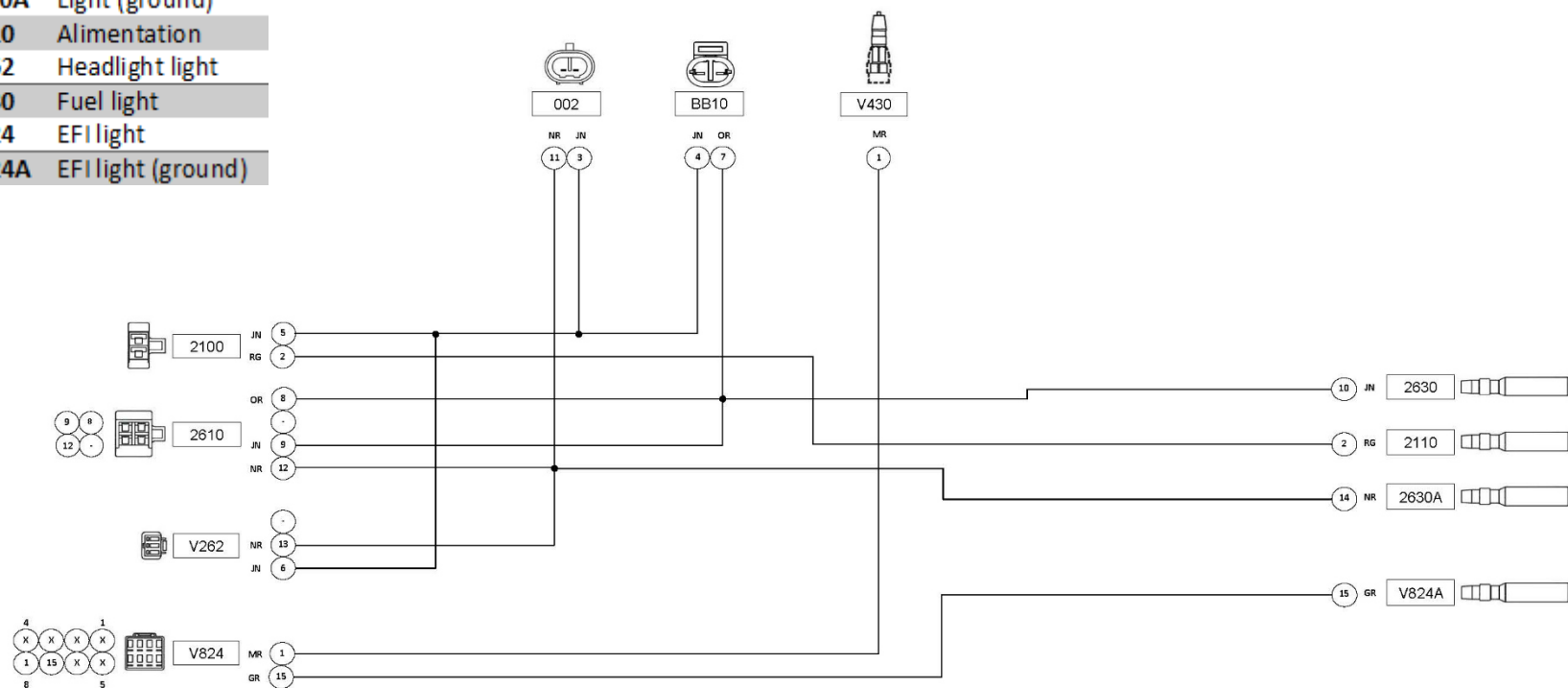


WIRING DIAGRAM

»I Racing light diagram (Ref: 6845)

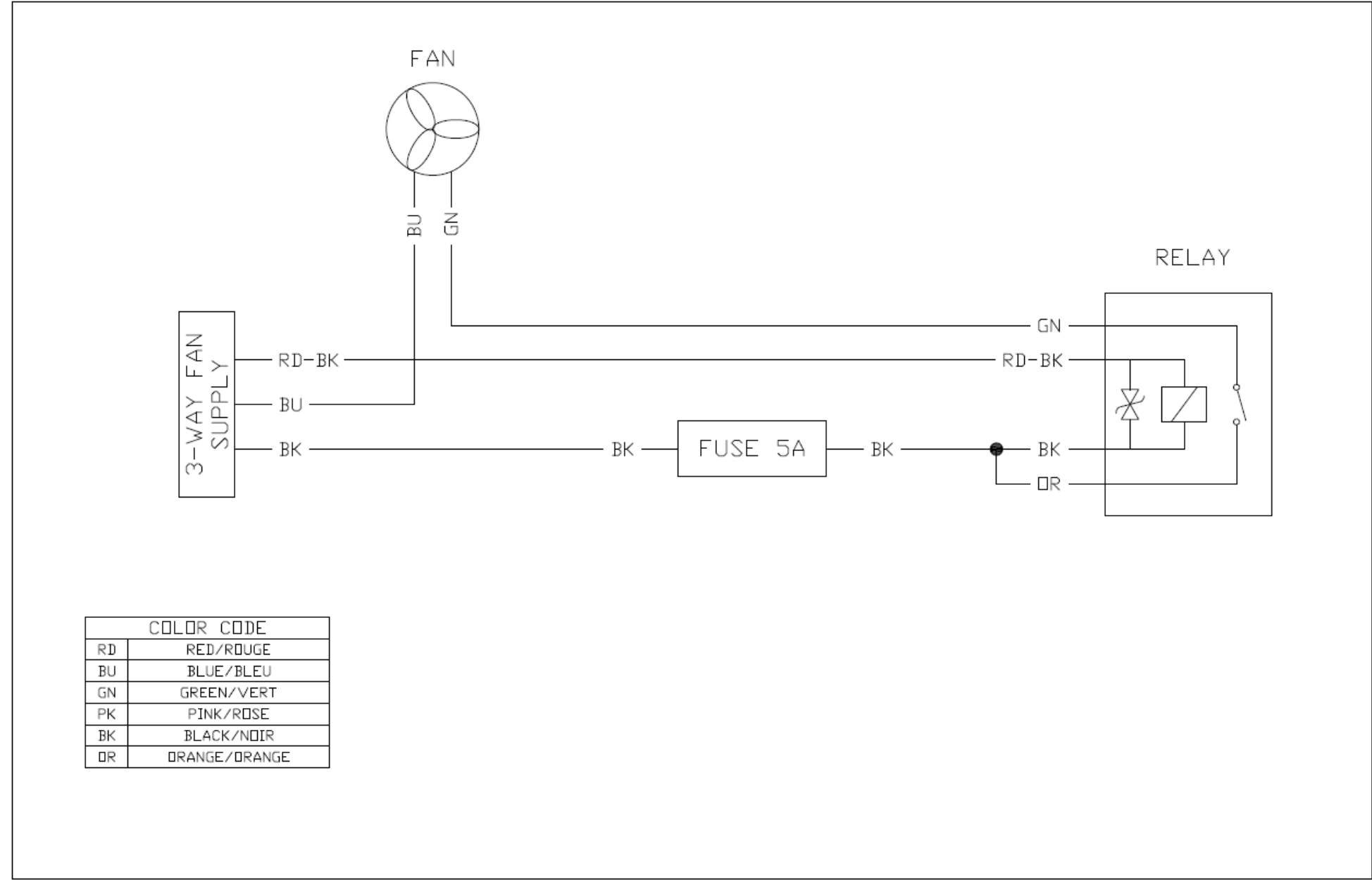
description

002	Light signal switch
2100	Stop switch
2110	Brake light
2610	Projector
2630	Rear light
2630A	Light (ground)
BB10	Alimentation
V262	Headlight light
V430	Fuel light
V824	EFI light
V824A	EFI light (ground)



CODE COULEUR		
	FR	GB
BA	Blanc	White
BE	Bleu	Blue
GR	Gris	Grey
JN	Jaune	Yellow
MR	Marron	Brown
NR	Noir	Black
OR	Orange	Orange
RG	Rouge	Red
RS	Rose	Pink
VE	Vert	Green
VI	Violet	Violet
VJ	Vert/Jaune	Green/Yellow

»I Fan harness (Ref: 3577)



WWW.SHERCO.COM



MOTUL

KENNY

Airoh
HELMET

G
GAERNE

KYB
Technical Touch

MICHELIN

Polisport
Performance Plastics

VERTEX
PISTON & POWER

FUP

GALFER

BS
BATTERY

UNIRACING

RENTHAL

AKRAPOVIC

SHERCO