



## **MOUNTING INSTRUCTIONS FOR PREMIUM DIGITAL DIRECT 11 / 31**

### **Mounting on:**

**SENDA SM, SMX, R, RR, SR, X-TREM, DRD, X-RACE.**

**GILERA RCR SMT (without starter)**

**DERBI VARIANT START 5**

**Digital Direct Ignition timing should be at 0,4mm before TDC (Top Dead Center) with a 40mm original crankshaft stroke .**

**Ignition timing for crankshafts with a stroke higher than 40mm or a cylinder bore higher than 50cc is 0,35mm before TDC.**



**OPEN THE GASOLINE COVER.**



**REMOVE THE COVER MOUNTING BOLT.**



**REMOVE THE LOWER MOUNTING BOLTS OF THE FRONT FAIRINGS .**



**REMOVE THE UPPER MOUNTING BOLTS OF THE FRONT FAIRINGS.**



**REMOVE THE ORIGINAL HV WIRE FROM HV COIL AND DISCONNECT THE SOCKET.**



**UNMOUNT THE ORIGINAL HV COIL.**



**REMOVE THE GEAR SELECTOR USING A 10MM WRENCH.**



**REMOVE THE IGNITION COVER USING AN 8MM WRENCH.**



**INSERT A PISTON STOP INSTEAD OF THE SPARK PLUG IF IMPACT PISTOL IS NOT AVAILABLE.**



**TURN THE ROTOR ON ANTICLOCKWISE POSITION TO MATCH PISTON STOP WITH THE PISTON AND UNTIGHT THE ROTOR NUT USING A 15MM WRENCH.**



**SETUP DERBI ROTOR EXTRACTING TOOL AND REMOVE THE ORIGINAL ROTOR FROM THE CRANKSHAFT WITHOUT FORGETTING THE KEY ON THE KEYSEAT.**



**UNTIGHT THE 3 CROSS HEAD SCREWS WITH AN IMPACT SCREW DRIVER.**



**CAUTION!** BASE PLATE SCREWS ARE VERY TIGHT! UNTIGHT THE 3 SCREWS WITH AN IMPACT SCREW DRIVER.



**DERBI E4 :MAKE A 5MM THREAD BEFORE MOUNTING THE BASE PLATE.**

INSERT MVT BASE PLATE ON THE ENGINE AND ADJUST THE WIRE EXIT CONDUCT ON THE RIGHT POSITION.



TIGHT MVT STATOR ON HIS BASE PLATE SETTING BOTH 5x30MM SCREWS AT THE MIDDLE OF THE ADJUSTMENTS RANGE.



TO FIND OUT YOUR TOP DEAD CENTER, INSERT AN IGNITION TIMING GAUGE FOR A PRECISE MANEUVER. ONCE YOUR CRANKSHAFT IS AT TDC SET YOUR IGNITION TIMING AT 0,40MM OR 0,35MM BEFORE TDC DEPENDING OF YOUR ENGINE SETUP THEN MATCH THE ROTOR RED MARK WITH STATOR ROTATION MARK. TIGHTEN THE ROTOR NUT AND CHECK RIGHT AFTER IF IT STILL AT THE DESIRED POSITION.



INSTAL BACK THE ORIGINAL RUBBER GASKET ON MVT STATOR ELECTRICAL HARNESS.

**THE CORRECT ROTATION MARK ON THE STATOR IS THE ONE SHOWING ROTATION MOVEMENT OF YOUR ENGINE. CLOCKWISE FOR SCOOTERS AND ANTICLOCKWISE FOR GEARBOX ENGINES.**

### **DERBI E5:**

**Connect MVT stator Yellow wire to electrical harness White wire. On this model Black/white wire is not used.**



SCREW IN THE HV WIRE WITHOUT FORGETTING HIS RUBBER COVER.



### **DERBI E3**

TIGHTEN MVT HV COIL AT THE ORIGINAL LOCATION WITH STATOR GREEN/YELLOW AND MVT DIAGRAM BLACK GROUND WIRE.

MVT DIAGRAM ORANGE WIRE TO MVT HV COIL INPUT.



MATCH MVT DIAGRAM RED/BLACK WIRE WITH STATOR RED/BLACK WIRE. MATCH MVT DIAGRAM BLACK/WHITE WIRE WITH STATOR SOCKET BLACK/WHITE WIRE.



CONNECT MVT STATOR YELLOW WIRE TO ORIGINAL ELECTRICAL HARNESS.

### **DERBI E4:**

Connect delivered red wires to MVT Diagram & MVT stator to Key Lock green & orange wires to find engine stop.



REMOVE PISTON STOP  
AND INSTAL BACK THE  
SPARK PLUG.

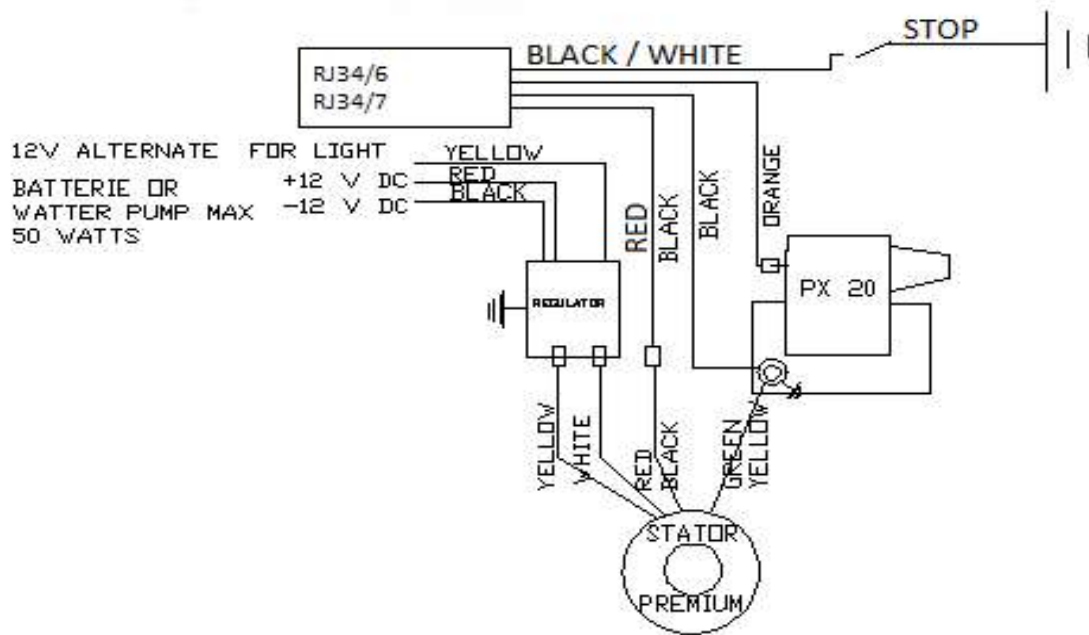


INSTAL BACK ORIGINAL  
IGNITION COVER  
WITHOUT FORGETTING  
PERFORATION FOR  
IGNITION COOLING.



INSTAL BACK THE GEAR  
SELECTOR.

**MVT Premium & DD ignitions should be ventilated and never enclosed with ignition cover.**  
**Please perforate holes on the cover or remove it for a proper use.**



## **BEFORE MOUNTING YOUR MVT IGNITION**

**REMOVE THE SPARK PLUG TO CHECK ELECTRODE COLOR.**

**IF THE ELECTRODE COLOR IS BLACK SET UP 5 MORE POINTS TO THE MAIN JET.**

**IF THE ELECTRODE COLOR IS BROWN SET UP 10 TO 15 POINTS TO THE MAIN JET.**

**-All MVT ignitions have 6 months warranty.**

**-MVT warranty is no longer available once the ignition is modified.**

**-MVT repair convention is not available if the ignition or some parts are deliberately damaged.**

**-MVT warranty request conditions:**

**-Return the complete product in his original packaging.**

**-Modified products are no longer subject to warranty.**

**-Bill of delivery or Bill.**

**-Hand written note indicating all customer details as email address, phone number, physical address and a description of encountered issues.**

**-All damaged products during shippment due to a lack of protection from the sender or non respect of the first warranty point are returned in the same condition.**

**MVT Repair Convention (Charte) :**

**-Hand written note indicating all customer details as email address, phone number, physical address and a description of encountered issues.**

**-Fullfil a 100€ bank draft with CAPO FASTO S.L as holder or mention Bank transfer on your hand written note.**

**-Return the complete product.**

**-MVT repair convention is not available if the ignition or some parts are deliberately damaged.**

**-All damaged products during shippment due to a lack of protection from the sender or non respect of the first warranty point are returned in the same condition.**

**-MVT Repair Convention doesn't inclue the replacement of the complete ignition, otherwise checking and replacement of damaged items.**

**MVT WARRANTY RETURN:  
CALBERSON P/C CAPO FASTO  
ZI DU GRAND SAINT CHARLES  
RUE DE TURIN  
66000 PERPIGNAN  
+34 972 53 42 12**