



MOTOR CYCLE, GENERAL PURPOSE, HARLEY - DAVIDSON MT350 TECHNICAL DESCRIPTION

Valve Clearance



This is intended as a walk through & Guide
only to the Valve Clearance
on a
MT350 / Rotax 348 engine

Approx Procedure Time 1 Hour

**This is a guide only please refer to the relevant manuals
for full details or ask professional advice if in doubt.**

**This is the writer(s) interpretation of the required steps only and
does not take any liability for the accuracy of the information
supplied in this publication and it is supplied as is.**

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Amendment Record

Amendment No.	Amendment	By	Date
DRAFT	N/A	Joth	04 March 2014
1	Bolt lengths detailed for Timing Cover	Woodruff	05 March 2014

Before carrying out the Procedure ensure you have the current amendment.

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General Tools

10mm Spanner
11mm Spanner
13mm Spanner
Flat Screwdriver

Fluids

NONE

Specialist Tools

Spark Plug Spanner
0.05mm Feeler Gauge

Required Parts

Valve cover 'O' rings (optional)

**The parts marked * are the parts that you will need for this procedure.
Other Parts were changed as general maintenance.**

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General Torque Values

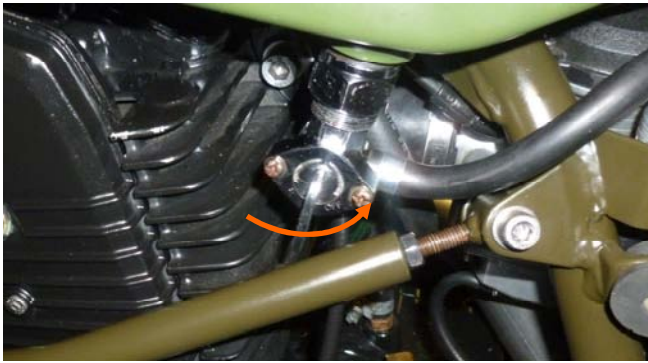
Where Torque settings are not detailed the following are a guide.

M5	7-8 Nm
M6	11-14 Nm
M8	24-27 Nm
M10	51-54 Nm

Notes

None

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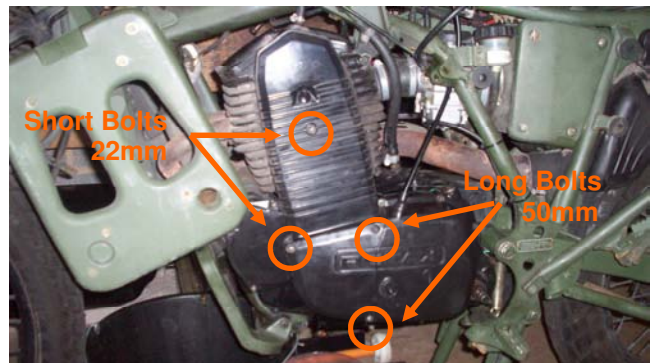
1. Switch off Fuel Tap, put the bike into Neutral and remove the Side panel.



2. Remove the Seat and Fuel Tank



3. Remove the Support Strut



4. Remove the Timing Belt Cover
(Not essential but makes it easier to turn the engine)



5. Remove the HT Lead and Spark plug.
(Not essential but makes it easier to turn the engine)



6. Remove the 3 Bolts on each of the two Valve Covers



7. Remove the valve covers.



8. Turn the engine until the front rocker is in the up most position. (Exhaust valves are in the fully closed position.)

(NOTE The engine can be turned with the Kick Start, Pulling the belt around or a spanner on the top pulley.)

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9. Using a 0.05mm Feeler Gauge check the gap.



10. If the gap is not correct loosen the nut with a 11mm spanner.



11. Using a screwdriver turn the adjuster until the feeler gauge fits in snugly and tighten the nut. (Then a final check on the gap)



12. Carry out items 9, 10 and 11 above on both the exhaust (front) Valves.



13. Turn the engine until the back rocker is in the up most position.
(Inlet valves are in the fully closed position.)



14. Carry out items 9, 10 and 11 above on both the inlet (rear) Valves.



15. Replace the Two Valve Covers.
Replace the Timing Belt Cover.
(22mm Bolts to Front and 50mm Bolts to Rear)
Replace the Support Strut.
Replace the Spark Plug and HT Lead.



16. Replace the Fuel Tank & Fuel Hose Switch on the fuel (Check for any Leaks)
Replace the Seat.
Replace the Side Panel.



END OF PROCEDURE