



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

### FORK SEAL CHANGE



This is intended as a walk through & Guide  
only to the Fork Seal Change on a  
MT350 Motorcycle

Approx Procedure Time 1.5 Hours

**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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# MT350 Fork Seal Change



## General Tools

30mm Socket (Removing the Fork Cap Assembly)  
8mm Allen Key (Removing the front wheel spindle)  
10mm Spanner  
Torque Wrench

## Fluids

Fork Oil (1 Litre of 15W Fork Oil)  
See Chapter 10 of the SEME Training Manual

## Specialist Tools

None

## Required Parts

2 x Fork Seals

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

# MT350 Fork Seal Change



## General Torque Values

Front Wheel Spindle 68 Nm  
Front Wheel Spindle Clamp Nuts 12 Nm  
Fork Retaining Bolt (Bottom of the Forks) 60 Nm  
Fork Oil Drain Screw 11 Nm  
Pinch Bolt Upper Yolk (4 each side) 20-27 Nm

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

<b>M5</b>	<b>7-8 Nm</b>
<b>M6</b>	<b>11-14 Nm</b>
<b>M8</b>	<b>24-27 Nm</b>
<b>M10</b>	<b>51-54 Nm</b>

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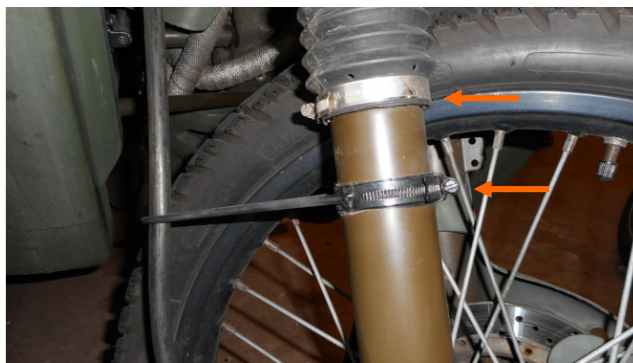
## Notes

1. Refer to the Maintenance schedule 2340-H-200-601 Table 7 for maintenance periods.
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# MT350 Fork Seal Change



1. Remove the Disk Guard bolt (10mm spanner) and remove the plastic guard from the bike



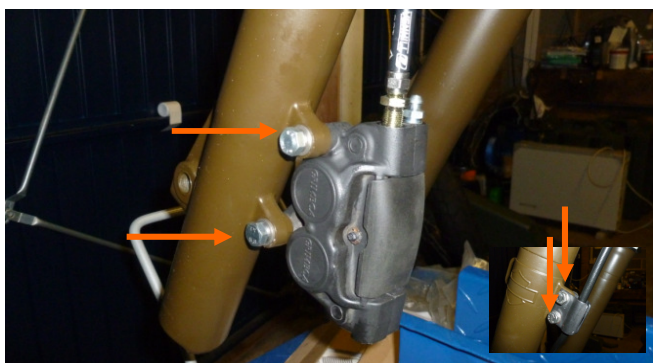
2. Remove the gaiter jubilee clips on both fork legs and the speedo cable guide



3. Loosen the Spindle clamp Nuts (Pinch Bolts) with a 10mm spanner



4. Remove the Front wheel spindle (axle) with an 8mm Allen key and remove the wheel.



5. Remove the front calliper and Loosen the brake line bracket and slip out the brake line



6. Put a bucket under the drain plug and unscrew and remove.



7. (A) Remove the fork cap assembly at the top of the fork (30mm Socket) and pull out the fork spring.

(B) The fork cap assembly should loosen with out force, loosen the yolk pinch bolts if the yolk is pinching the cap.

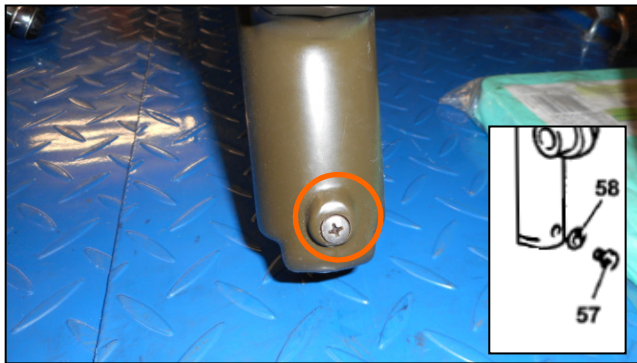


8. pump the lower part of the fork up and down the riser slowly to remove the old oil.

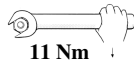
**WARNING : Oil squirts out !!!**  
Move the bucket up ad down with the lower fork.



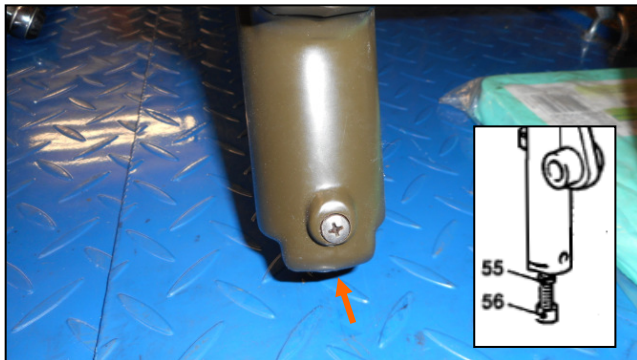
# MT350 Fork Seal Change



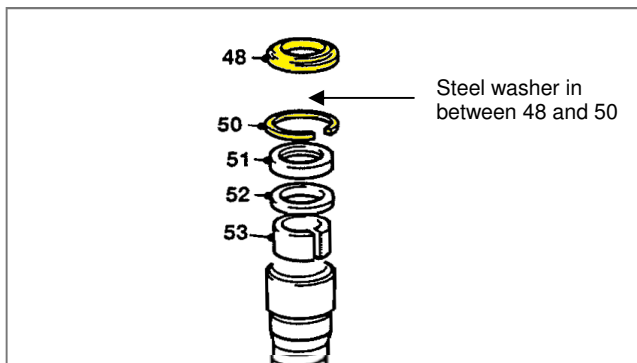
9. Replace the o ring (58) and tighten the drain screw (57).



11 Nm



11. Remove the fork main retaining screw (56) at the bottom of the fork



13. Remove the rubber Dust Cap (48), large metal washer if fitted (not shown), and Circlip (50)

*Note: One end of the circlip is cut at a angle so you can **very gently** insert a screwdriver tip and lever it out.*

*Alternatively use a small precision screw driver and slide it between the circlip and fork body.*



10. Carry out steps 6 to 9 on both forks.



12. slide the lower fork down and out until it clears the fork riser.



14. Remove the seal (51)

**WARNING:** The documentation shows a screw driver prising the seal out, if you put too much pressure on the side wall of the fork body it will deform or crack.

**!** The seals can be tight and difficult to remove ! Protect the lip of the forks with a Thin piece of wood to spread the force of the screwdriver on the fork edge.



**TIP**  
If they won't come out you can use a pair of side cutters to slowly nibble away at the rubber and twist the steel banding.  
Be careful not to damaging the fork.

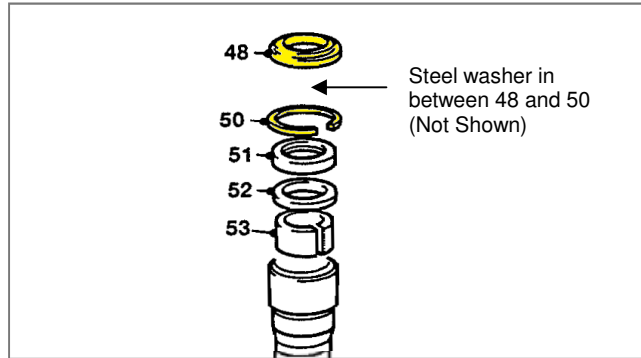
Under the seal there is a large steel washer (52) and the upper bushing (spacer 53) Which are left in position.

# MT350 Fork Seal Change



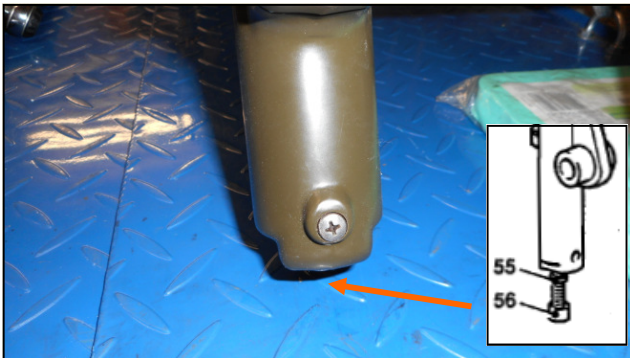
15. Place the seal in to the top of the fork with the flat part of the seal facing upwards.

Placing the steel washer on top of the seal and use a drift to knock the seal in place. The washer will give the seal support. Remove the washer after the seal is in place.

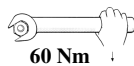


16. Replace the following in order

Circlip (50)  
Large steel washer (if fitted)  
Rubber Dust Cap (48)



17. Slide the lower fork onto the riser and re-fit the retaining Washer (55) & Bolt (56).



18. Fill forks with 500ml (if dry) or 475ml (if Wet) each of 15W Fork Oil



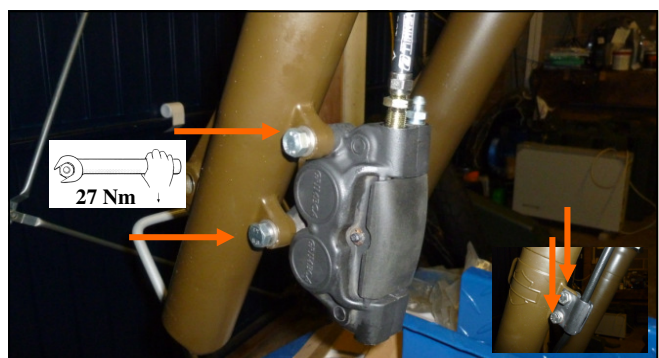
19. Insert the spring and pre loader If fitted.



20. Replace the fork cap assembly.



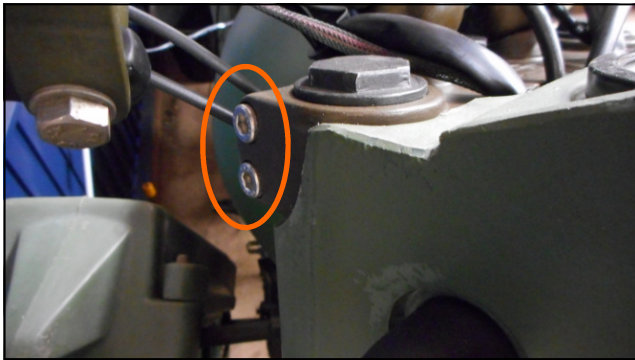
21. Carry out steps 11 to 20 on both forks.



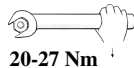
22. Replace Calliper and brake line bracket



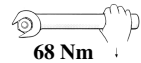
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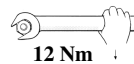
23. Tighten the Yolk Pinch bolts.  
If they were loosened to  
remove the cap



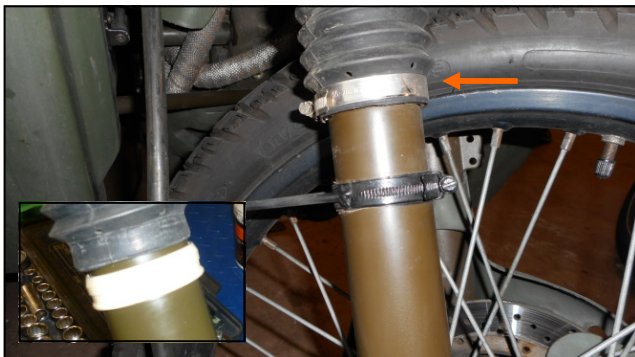
24. Insert wheel, spacer (left side)  
and front wheel Spindle.



25. Tighten Spindle clamp Nuts  
(Pinch Bolts) to 12 Nm.



26. Replace the speedo cable guide  
(this may be fitted higher up and doubles up as  
the gaiter jubilee clip)



27. Replace the gaiter jubilee clips on both forks  
over the rubber gaiters and plastic retainers.



28. Replace the Disk Guard and retaining bolt

## END OF PROCEDURE