

1. **FUEL:** Check for fuel capacity in the tank and for any fuel leaks.
2. **ENGINE OIL LEVEL:** Check the engine oil level. This is undertaken when the oil is at its normal operating temperature by standing the bike upright on 2 wheels on level ground and inspecting the oil window on the bike's engine. The oil level should be between the upper and lower-level markings. If required, remove the oil filler cap and top up with Honda SAE API Service 10W-30 motorcycle engine oil which meets specification API SH (or higher) and JASO 903 Standard MA. **WARNING:** Do not use energy conserving or resource conserving oils.
3. **COOLANT:** Make sure the radiator cap is in place and do not remove. Check the coolant expansion tank with the motorcycle in an upright position on 2 wheels on level ground. The expansion tank must have its top cap in place and the coolant level should be between **minimum** and **maximum**. Only use Honda's own coolant Honda Pro HP Coolant to top up the expansion tank as it contains the proper inhibitors to prevent rust and sludge building up in the coolant system.
4. **BRAKE FLUID:** Check for brake fluid leakage and that the front and rear brake fluid reservoir levels are sitting between minimum and maximum when the motorcycle is upright on level ground, off its stand and on 2 wheels. If any of the levels are low, check for brake pad wear and if okay, refer the bike to the dealership for a brake system check.
5. **CHAIN:** Check the chain for proper oil lubrication and chain linkage free movement. Check the rear sprocket for any wear and tear on the teeth. Check the chain slack which should be between 30mm and 40mm. This is done with the bike off its stand and standing upright on level ground on 2 wheels. The measurement is taken by moving the bike until the chain tightens on its sprockets and take the play measurement midway between the sprockets by using a ruler to measure the lowest part of the chain droop from the ground and then move the chain upwards as far as it will go with your finger and measure the movement distance on the ruler.
6. **TYRES:** Check the tyres for cuts/abrasions and for tyre pressure when cold (36psi rear – 29psi front) and using a tyre gauge check for depth of tread – minimum front 1.5mm, minimum rear 2mm) The tyres also have wear ridge markings between the treads that you can use for a visible check and the tyre is replaced when the tread is worn down to any of the ridge marks.
7. **LIGHTS/INDICATORS/HORN:** Check all the lights, indicators and brake stop light work. Check the brake stop light, using the front and rear brakes independently. Check the horn switch works the horn.
8. **STEERING/FRONT FORKS:** Check the steering and front forks for smooth action with no fouling of cables and the front forks for oil leaks from the seals.
9. **BRAKES:** Check the front and rear brakes for smooth operation of the brake levers and braking effectiveness.
10. **THROTTLE:** Check the throttle grip at all steering angles for correct 2-6mm play and that the throttle grip returns to its normal position when let go. If the throttle is sticking or the free play cannot be achieved, refer the bike to the Honda dealership.
11. **CLUTCH:** Check the clutch for smooth operation at all steering angles and also ensure the correct slack play of 10-20mm on the clutch lever at all steering angles, when the lever is released. Make sure the clutch lever locknut is tightened. If this play cannot be achieved, refer the bike to the Honda dealership.
12. **FIXTURES:** Visibly check the steering, suspension, axles, controls and all nuts/bolts/fasteners are properly tightened.
13. **BRAKE PADS:** There should **be more** than 1.0mm brake material on the front brake pads and 1.5mm on the rear.
14. **STAND:** Check the motorcycle side stand & centre stand (if fitted) properly swing up and are fully retained against the bodywork by the return spring.
15. **ENGINE STOP SWITCH:** Check the engine stop switch, stops the engine.

For any Adjustments + Full Maintenance Checks – Refer to the NX500 User Manual Maintenance Section