



CJ650B/5.1.1

SERVICE BULLETIN – CJ650B Tank removal

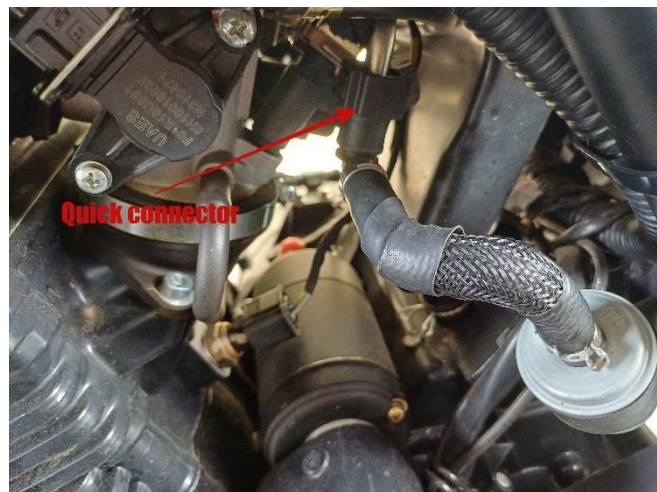
To carry out minor and major engine servicing it is necessary to first remove the fuel tank and airbox to allow access to the engine. The following describes the procedure to remove the fuel tank and airbox.

Note: The CJ650B is fitted with a main fuel tank with a capacity of 16L and a bottom reserve tank with a 4L capacity. The main tank is connected to the bottom tank by a fuel transfer hose and a fuel vent hose. The electric fuel pump is located at the bottom of the reserve tank and provides fuel under pressure to the common rail fuel injector manifold attached to the throttle body.



Steps to follow

- 1) Prior to removing the tank it is necessary to drain the fuel from the main tank to avoid spillage from the fuel transfer line. If the main tank is not fully drained fuel spillage from the fuel transfer pipe will occur when the main tank is removed. To lower the fuel level below the main tank it is recommended that use is made of a siphon pump to remove as much fuel as possible, and then the fuel quick connector at the fuel rail is disconnected.



- 2) Using a quick connector coupling (commonly used on airline connectors), connect a length of fuel hose to the quick connector and into a fuel container. Switch the ignition on and cycle the kill switch on and off. Each time the kill switch is cycled fuel will be pumped out of the bottom tank. Usually 4-5 cycles are enough to drop the fuel level below that of the main tank.





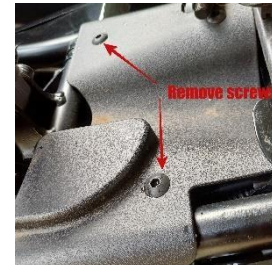
- 3) Remove the front saddle pivot bolt and secure the seat away from the tank area.



- 4) Remove the two bolts holding the bottom of the tank to the frame.



- 5) Remove the two screws holding the plastic frame shroud.



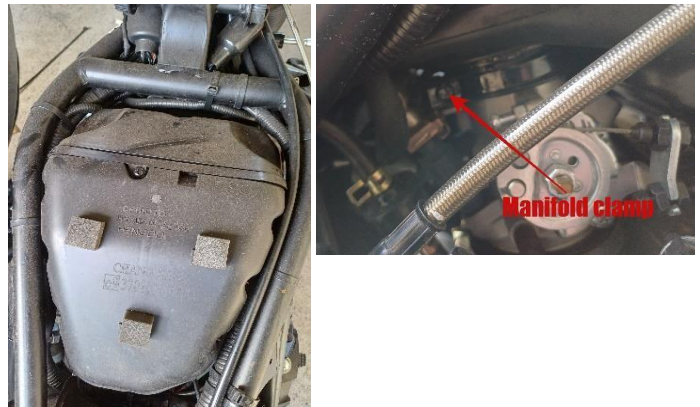
- 6) The main fuel tank is connected to the bottom fuel tank with two rubber fuel hoses. Using a long nose pliers (or similar) squeeze the clamps and slide them up the rubber pipes so they are not clamped to the bottom tank feed pipes. **Do not attempt to lift the fuel tank before the lower spring clips have been released. Doing this can stretch the hose which might lead to premature failure. Check condition of fuel feed hose and replace if there are any signs of deterioration.**



- 7) Lift the fuel tank, leveraging the fuel hose off the bottom tank connection, unclip the fuel tank sender unit electrical connector and the EVAP hose. Remove the fuel tank to expose the airbox unit.



- 8) From this point the airbox can be removed by loosening the two clamps on the left and right rubber manifolds on the throttle body, and the engine breather hoses on the top left and the bottom of the airbox.



- 9) There will now be access to continue with servicing engine components.

