



YANMAR DIESEL
SALES & SERVICE

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TO: YANMAR DEALERS and BOATBUILDERS

BLEEDING THE FUEL SYSTEM (Purging of air which causes shutdown)

This bulletin contains helpful information for bleeding the fuel system of a Yanmar Diesel and other small diesels as well. Please post where your field service personnel can review.

Since the presence of air in the fuel system anywhere between the fuel tank and the injector will cause a no start or erratic running condition, always bleed the air from the system when the fuel system is disassembled, filter changed or run out of fuel.

1. Make sure fuel tank shut off is in "on" position
2. Bleed the air from fuel filter. Loosen the air bleed screw at the top of the fuel filter body and operate the manual handle of the lift pump until the air bubbles completely expel in the fuel flowing from the filter.
3. Bleed the air from the fuel return pipe. Loosen the connector bolt of the fuel return pipe installed on the fuel injector, and bleed the air by operating the manual handle of the lift pump. (If there is more than one injector, bleed the one at the end of the line).
4. Bleeding the air from the fuel line- (line from the filter to the injector pump). Loosen the air venting screw at the injection pump and operate the manual handle of the lift pump until all the air bubbles are out.
5. On the Yanmar "Y" series engines. Loosen the nipples at both ends of the injection pipe, place throttle in half position. Then loosen the delivery valve holder in injection pump (about 1 or 1 1/2 turns), when bubble-free fuel comes out securely tighten the delivery valve holder, and then after attaching the injection pipe, securely tighten the fuel pump side nipple. Now spin engine over with key and get solid fuel stream out of line then tighten line at injector and start engine.
6. Bleed the air from the fuel injector. Loosen the nipple on the fuel injector side, set the throttle to half and the decompression lever to the decompression position and crank engine. When no more bubbles appear in the fuel flowing from the end of the injection pipe, retighten the nipple.

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