

YANMAR SERVICE NEWS

Subject	Design Change of Cooling Water Pump Impeller	No.: 13-2-G-10-013-0 Oct., 2013
Engine Model	6EY18(A)L	Use Marine Aux.
		Engine Nos. _____

Concerning the engine-mount cooling water pump of 6EY18 engine, as has been informed to you previously by our Service News, (No.08-2-G-12-017-O-Rev. 1), in order to prevent the impeller collar from wear, we changed the material of impeller, (bronze → cast iron), abolished the use of collar, and increased the tightening torque. In addition to this, we changed the screw size and abolished the use of the locking nut presently for increasing tightening torque. In this relation, we would like to advise you of the details of improvements as follows. Please note that it is possible to change the status to Improvement ② below by changing a set of impeller and shaft, (with the use of the 4-prong type tightening tool). Refer to the table below upon your periodic servicing opportunities.




YANMAR CO.,LTD. LARGE POWER PRODUCTS OPERATIONS DIV. QUALITY ASSURANCE DEPT.	Approved	Checked	Prepared
			

Table: Details of improvements for Cooling Water Pump

		Original	Improvement ①	Improvement ②	
Impeller Material		Bronze	Cast Iron	Cast Iron	
Screw Size		M22×P2.5	M22×P2.5	M24×P1.5	
Tightening Torque		206~220Nm	290~310Nm	320~340Nm	
Collar		Yes	No	No	
Locking Nut		Yes	Yes	No	
Engine Nos.		0104~0473 0477~0479 0504~0509	0474~0476 0480~0503 0510~1675	1676~	
Part No.	Assy.	H.T.side	746623-42030	746623-42031	746623-42251
		L.T.side	746623-42040	746623-42041	746623-42261
	Impeller	146673-42221	146674-42220	146623-42260	
	Shaft	146673-42210	146673-42210	146623-42250	
	Tightening Tool	146673-92750 (2-prong type)	146673-92751 (4-prong type)	146673-92751 (4-prong type)	
Structure		