

YANMAR SERVICE NEWS

Title	Spacer added to LO Temp. Control Valve (LO Thermostat), 6EY18,6EY22 Engine		Issued No.: 20-2-G-11-016-L Issued Date: 2020.11
Engine Model	6EY18, 6EY22	Use	Marine Main & Aux.; Industrial
		Engine Nos.	_____

In some of 6EY18 and 6EY22 engines, malfunctioning of the LO temp. control valve (LO thermostat) was found from time to time. Upon inspection, we found that the element inside the temp. control valve by the joint section with the piston, was worn for premature damage and that this caused the valve malfunctioning in question. To control wear of the element, we have added the Spacer (A) (150633-38310) and the Spacer (B) (150633-38320) in the New Element Assembly Item, (750633-38400). For use with the future servicing, we recommend that this new item be ordered from us.

Also, when ordering the thermostat CMP (LO), Piston (LO thermostat) and Element Assembly from us for servicing 6EY18 and 6EY22 engines in future, please specify the items having the numbers (shown in green numbers) below.

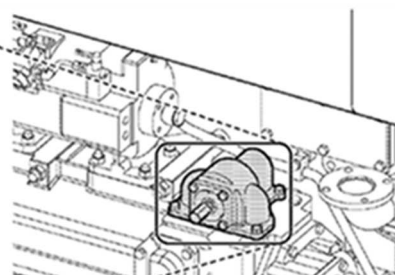
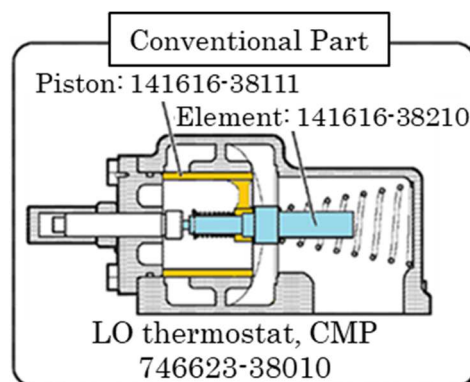
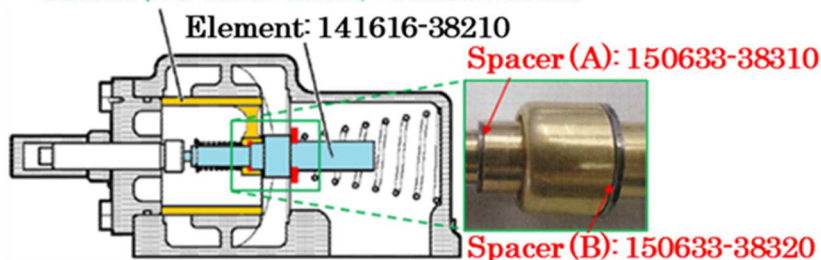


Fig. LO Temp. Control Valve Installation
Position and Structure of Conventional Item

Table. Improved Item: Structure & Part No.

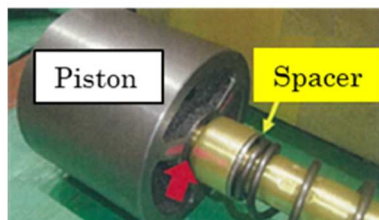
Thermostat CMP(LO) : 746623-38011

Piston (LO Thermostat): 141616-38111

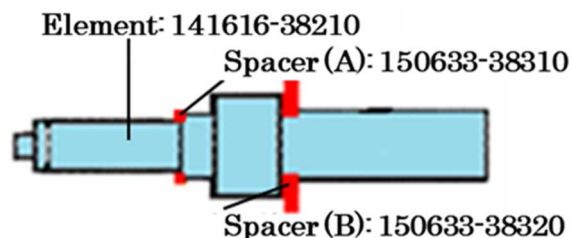


Piston (LO Thermostat) : 141616-38111

Element Assembly : 750633-38400



To control wear, surface roughness of element joint improved. ID mark on the top.



**YANMAR POWER
TECHNOLOGY CO., LTD.**

Large Power Products Business.
Customer Service Division.

Approved

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Drawing

Applicable ships for supply of free parts:

When LO temp. control valve malfunctioned within the specified period below, we will supply the part free.
(When there found no malfunctioning of the LO. temp. control valve in the ship, no supply of free parts be made.)

Supply Period :

The ship where LO temp. control valve malfunctioned within one year and within 5000 running hours after inauguration of the ship. (Period above is based on the first-time inspection specified in the operation manual.)

Supplied Quantity:

In the case of multiple engine installation, we will supply the parts for all engines even when just one engine caused malfunctioned.

Part Item Supplied :

We will supply Element Assembly (750633-38400).

If your ship is applicable for the supply of free part, please let us know through your usual Yanmar contact at Yanmar affiliated company.

Table. LO Temp. Control Valve Inspection Interval, 6EY18 and 6EY22 Engines (Excerpt from the Operation Manual)

6EY18(A)LWS0000-000-08-00										6EY22(A)LWS0000-001-08-00									
Engine information										Engine information									
Scheduled inspection										Scheduled inspection									
5/10										4/5									
Category	Part	Maintenance	Inspection and servicing frequency (in hours)					Remarks											
			3 months or 1000 to 1500	6 months or 2000 to 2500	1 year or 4000 to 5000	2 to 3 years or 8000 to 12000	5 year or 15000 to 20000												
Lubricating oil system	Lubricating oil	change (depending on the properties analysis)	○																
	Lubricating oil cooler	Disassembly and inspection Cleaning and hydraulic test				○													
	Thermostat	Disassembly, inspection and cleaning			○														
	Lubricating oil pump	Disassembly, inspection and measurement				○													
		Disassembly and inspection of the relief valve				○													
	Pressure control valve	Disassembly, inspection and cleaning				○													
	Lubricating oil strainer	Filter candle inspection					○	Every 4 years											
		Replacing the filter candle					(○)	Every 6 years											
		Rotation check			○			Worm gear, turbine, flushing arm											
	Replacing the O-ring						During overhaul												
Lubricating oil Priming Motor pump	Replacing the motor bearing				○ 1st time and after														

6EY22(A)LWS0000-001-08-00										6EY22(A)LWS0000-001-08-00									
Engine information										Engine information									
Scheduled inspection										Scheduled inspection									
4/5										4/5									
Category	Part	Maintenance	Inspection and servicing frequency (in hours)					Remarks											
			3 months or 1000 to 1500	6 months or 2000 to 2500	1 year or 4000 to 5000	2 to 3 years or 8000 to 12000	5 year or 15000 to 20000												
Lubricating oil system	Lubricating oil	(depending on the properties analysis)	○																
	Lubricating oil cooler	Disassembly, inspection, cleaning and hydraulic test				○													
	Thermostat	Disassembly, inspection and cleaning			○														
	Lubricating oil pump	Disassembly, inspection and measurement				○													
		Disassembly and inspection of the relief valve				○													
	Pressure control valve	Disassembly, inspection and cleaning				○													
		Filter candle inspection				○		Every 2 years											
	Lubricating oil strainer	Replace the filter candle				(○)		Every 4 years											
		Rotation check			○			Worm gear, turbine, flushing arm											
		Replace the O-ring						Maintenance time											