

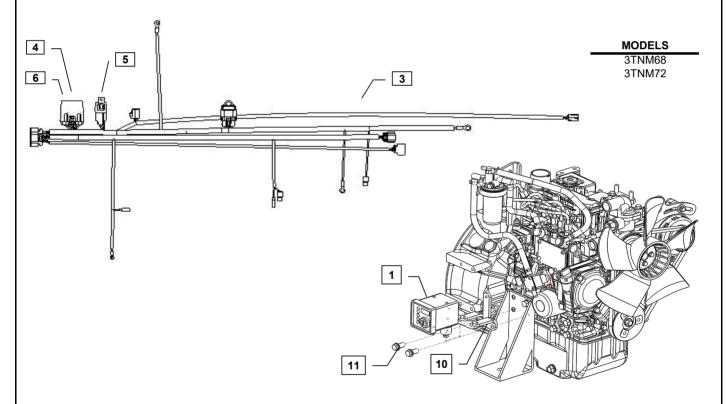
Supplement to Yanmar Kit Installation Instructions

SAFETY

This product is designed and intended only for use with a YANMAR engine. All safety and warning information contained in the Yanmar Operation Manual and Service Manual is adopted and incorporated to apply to the components, accessories, and parts that are utilized with Yanmar engines. Follow all instructions and precautions before installing this product, before operating, during operation, and during periodic maintenance procedures for your safety, the safety of others, and to protect the performance of your engine.



Item	Part No.	Description	Quantity	Remarks
1	119749-91111*	Control Panel (IDI)	1	
2	119749-91050*	Ignition Key, Engine Control Panel	2	
3	119749-91091*	Wiring Harness - MINIMAX	1 (B)
4	119749-91420*	Control Module Timer	1	
5	119749-91460*	Relay 70A 12V Sealed	1	
6	119749-91440*	Control Module Housing	1	
7	129689-92100*	Isolator Mount M6 x 1.0	3	
8	129689-91180	Washer, M6 (Star)	3 (A	.)
9	26366-060002*	Nut, M6 x 1.0 (Flanged hex head)	4	
10	119749-91140*	Panel Mounting Bracket	1	
11	26106-100252*	Bolt, M10 x 1.5 - 25 (Flanged hex head)	2	



Remarks: (A) 129689-91180 is not a service part and does not need to be replaced.

(B) When utilizing the Yanmar harness to a control panel that has 10 ft. or more of wiring between them, you must install a relay, 119749-91400.

Note: Service parts are denoted by an asterisk. To replace non-service parts, the entire kit will need to be purchased.

KP6 - PANEL KIT INS-KP6-0013



Installation Instructions

Hand tighten all bolts and nuts until assembly is completed, then torque according to specifications in Table 1. The numbers in () represent the item numbers.

1. Fasten Control Panel (1) to the Mounting Bracket (10) using Isolators (7), Star Washers (8) and Lock Nuts (9). Star washers should be installed between isolators and bracket.

NOTE: Make sure isolators are not twisted during installation to avoid premature failure of components.

- 2. Assemble Control Panel (1) and Mounting Bracket (10) assembly to injection pump side rear engine mounting pad using M10x1.5 25 Bolts (11).
- 3. Connect harness terminals to appropriate locations. See engine wiring harness diagram and schematics provided with panel kit.
- 5. After connecting all terminals to appropriate locations, check the following:
 - a) Make sure the wires do not contact the exhaust manifold or muffler.
 - b) Make sure the wires do not contact any sharp or abrasive surfaces.
 - c) Use wire ties to secure the wire harness to the engine.
 - d) Cover all harness terminals not used after assembly is completed
 - e) Make sure that the control module timer is mounted in a vertical fashion to prevent water intrusion.

WARNING: Be sure battery cables are connected correctly before operation. If at any time during operation, the battery cables are removed, the harness could fail prematurely.

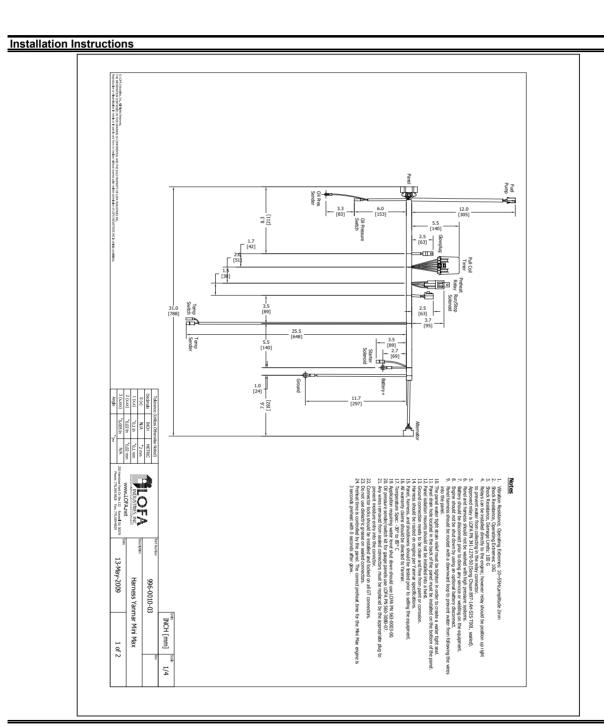
NOTE: Application requiring a harness extension to a control panel over 10Ft in length must use the starter relay at the connector labeled Starter Jumper, 119749-91400.

Refer to harness drawing for additional design requirements for consideration of application. A troubleshooting guide is available through Yanmar's Distributor Website or by contacting Yanmar America's Service Department.

Table 1: Proper torque specifications for bolts and nuts.

Diameter x Pitch	Kgf-m	Foot-lbf	N-m
M8 x 1.25	1.5 ~ 2.9	10.6 ~ 20.9	14.4 ~ 28.3
M10 x 1.50	4.5 ~ 5.5	32.5 ~ 39.8	44.0 ~ 54.0







Installation Instructions AL AND THE SOLE PROPERTY OF LOFA INDUSTRIES, INC. medium, without express prior written permission is strictly trademarks of LOFA Industries, Inc. CP600, 07750, EL240, 101 IG Oil Pres Sw 112 16 AWG Yellow/Blue 111 Temp Sw 10 AWG Tan 131 Preheat < % % 16 AWG Black SP2 14 AWG Purple 133 Hold 14 AWG Red/Wht 128 Pull SP3 125 FILOFA INDUSTRIES, INC 127 130 16 AWG Purple 14 AWG Red/Wht 128 Pull 13-May-2009 Harness 12 AWG Red/Blk 114 12 AWG Black 996-0010-03 s Yanmar 131 Glowplug 313 8 mm Faston 125 Mini Max N A 2 of 2 N/A