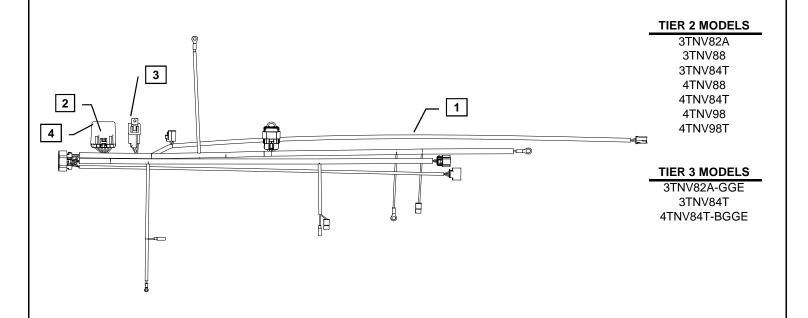




Item	Part No.	Description	Quantity	Remarks
1	129687-91100	Wiring Harness (DI)3	1	(A)
2	119749-91420	Control Module Timer	1	. ,
3	119749-91460	Relay 70A 12V Sealed	1	
4	119749-91440	Control Module Housing	1	
5	1908-00	Switch Retainer	2	
6	119749-91500	60" Harness Extension	1	(B)



Remarks: (A) 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.

(B) 119749-91500 is an extension used to connect harness, 129687-91100, to customer specified control panel.



## **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. Connect harness terminals to appropriate locations. See engine wiring harness diagram and schematics provided with panel kit.
- NOTE: The spare ring terminal in the kit is for the S-Terminal on the Denso starter. The spade connector, for the Hitachi starter, will have to be replaced with the ring terminal if Denso Starter is equipped.
  - 2. Use the Switch Retainer (5) to mount the Relay (3) to an open thread bore on the cylinder head.
  - 3. 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
- 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.

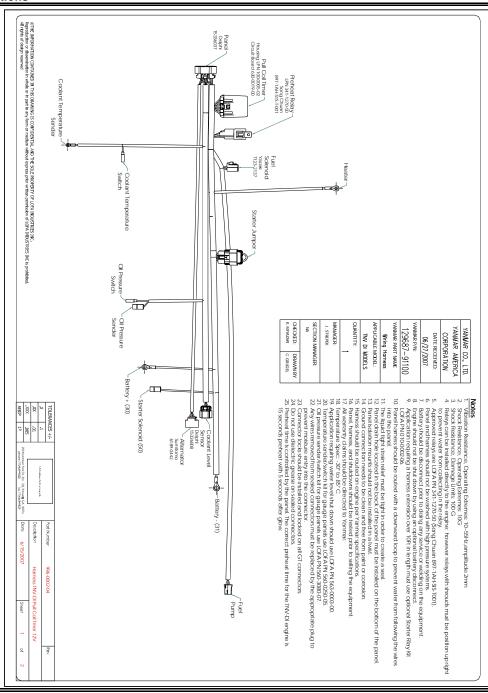
Refer to harness drawing for additional design requirements for consideration of application. A troubleshooting guide is available through Yanmar's Distributor Website or by contacting Yanmar America's Service Department.

NOTE: Comply with torque standards in the table to avoid unexpected damage during installation or in the future.

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
M12 x 1.75	8.0 ~ 10.0	57.8 ~ 72.3	78.4 ~ 98.0



## **Installation Instructions**





## **Installation Instructions**

