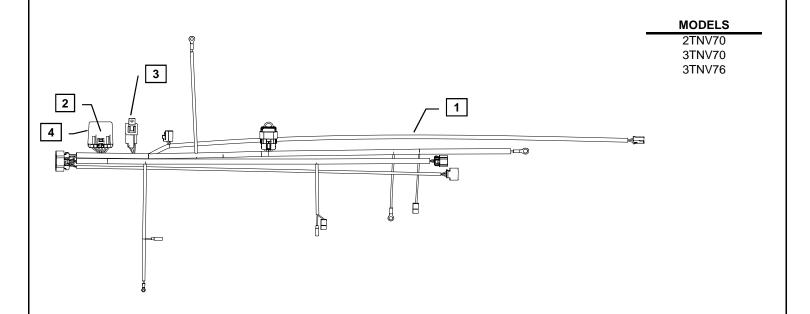


## YANMAR CO., LTD. YANMAR AMERICA CORP.

| Item | Part No.     | Description              | Quantity | Remarks |
|------|--------------|--------------------------|----------|---------|
| 1    | 119749-91100 | Wiring Harness (IDI)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        |         |



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, 119749-91100, to customer specified control panel.

**KPH2 - ENGINE HARNESS KIT** 

PAGE 1 OF 4

INS-KPH2-0011



## **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.

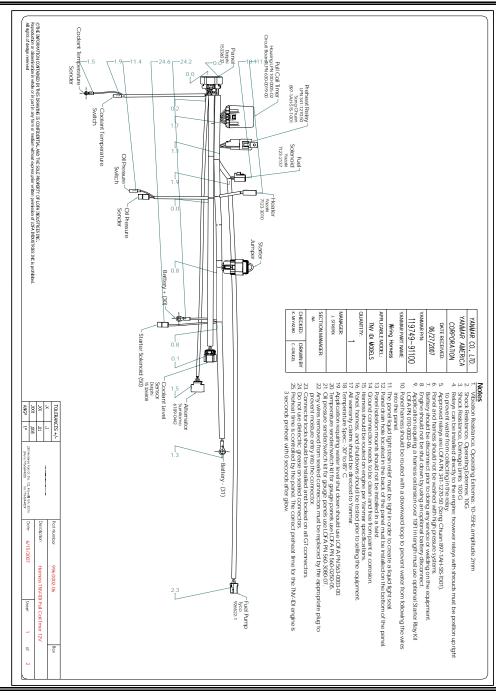
Refer to harness drawing for additional design requirements for consideration of application. A troubleshooting guide is available through Yanmar's Distributor Website or by contacting Yanmar America's Service Department.

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**

