

YANMAR

TECHNICAL BULLETIN

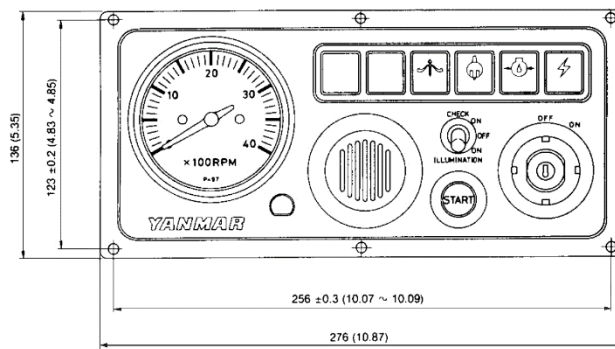
TO : All YANMAR Marine Distributors and Dealers
MODEL : 1GM10
SUBJECT : Discontinuation of supplying old type instrument panel
REF. No. : YMTQTB21-012
Classification : Enhancement News
DATE : 1st December 2021

Introduction

YANMAR Marine International would like to inform you that YANMAR will discontinue supplying of old type instrument panel (YANMAR P/N 128170-91002).

Background

The old type panel has been supplied as supplemental after originally switching panel type with 1GM10 series. However, these panels were discontinued.



Yanmar P/N
128170-91002

Countermeasure

YANMAR recommends replacing the panel (128170-91002) to B20 type (see table below) when the old panel requires replacing.

When installing the B20 panel please note these points to be reviewed:

1. Difference; Panel Size
2. How to connect / indicate
3. Check type of connector at connection point of panel in Table 1 or read the Knowledge article in CRM/ Yanmar Customer Support Portal KA-1077
4. Referring the table 1, arrange the parts, harnesses and then connect them.

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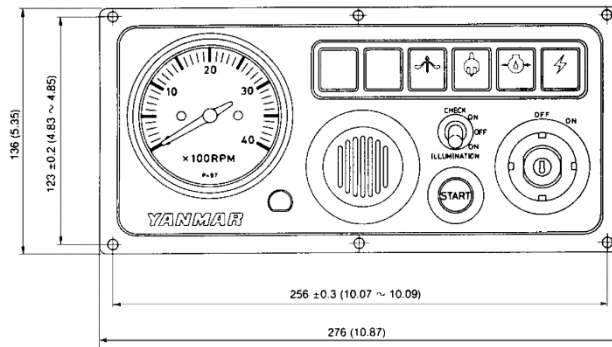
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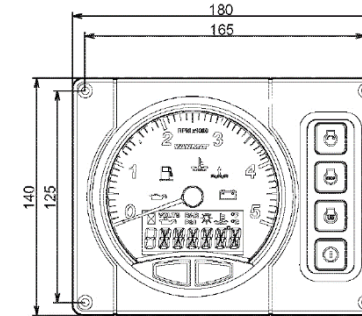
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Old type (128170-91002) H136 x W 276



B20 (164100-30105) H140 x W180

Table 1 application pattern

Current					B20 panel & starter relay						
Case	Engine harness	Extension harness	Adapter harness	Panel	Adapter harness	Conversion harness	Starter relay	Starter relay harness	B20 panel	Tie strap	Note
1	●	●	—	● 128170-91000 128170-91001	●→□ 129574-77850	□→DT 164100-23900	119575-77511	129673-77960	164100-30105	120640-09130	Sail drive seal alarm does not work ^{※1}
2	●	●	●→□ 129574-77850	□ 128170-91002	Existing	□→DT 164100-23900	119575-77511	129673-77960	164100-30105	120640-09130	Sail drive seal alarm does not work ^{※1}
3	□	□	□→● 128391-77860	● 128170-91000 128170-91001	No need	□→DT 164100-23900	119575-77511	129673-77960	164100-30105	120640-09130	—
4	□	□	—	□ 128170-91002	No need	□→DT 164100-23900	119575-77511	129673-77960	164100-30105	120640-09130	—

● : YAZAKI round connector
□ : YAZAKI square connector

※1 No problem for KM2P model.
SD20 model requires engine harness and extension harness to be replaced. In this case, 129574-77850 is not required.

Engine model	Engine harness	Extension harness
1GM10C	128171-77923	128391-77700
2GM20(F)C 3GM30(F)C	128271-77923 ^{※2}	128391-77700

※2Require harness for Hitachi alternator (revision code 3)

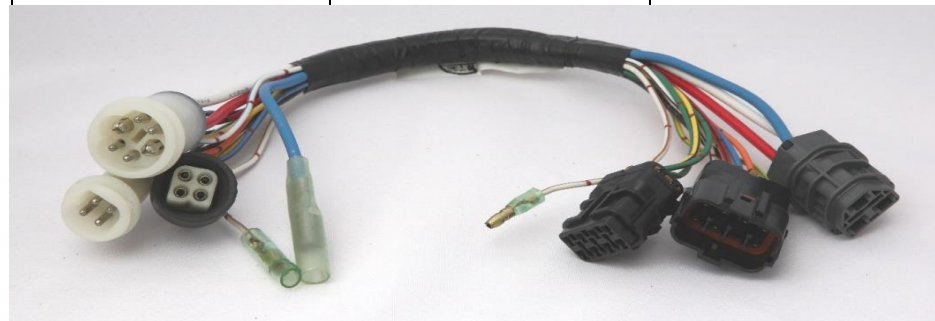


Picture of conversion cables

From Engine	To panel	Cable(s)
Square connectors	Deutsch Medallion	164100-23900



From Engine	To panel	Cable(s)
Round connectors	Square connectors	129574-77850



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INSTALLATION INSTRUCTIONS FOR STARTER RELAY



Final Style.



Connect the harness(Pn 129673-77960) to the M6 terminals on the starter relay (PN 119575-77511).



Disassemble the metal caps from the starter relay.



Disconnect the 2 connectors of the engine harness which are shown in the picture. These are the connectors connected to the neutral safety

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Red wire with female spade connector from harness 129673-77960.



Connect the red and white wires with spade connectors to the engine harness as shown in the picture.

White wire with male spade connector from the starter relay.



Connect the red wire of harness 129672-77960 with the eye terminal to the starter B+ terminal (M8 stud) as shown in the picture.



Connect the black wire with eye terminal to the engine as shown in the picture. Tighten the bolt.



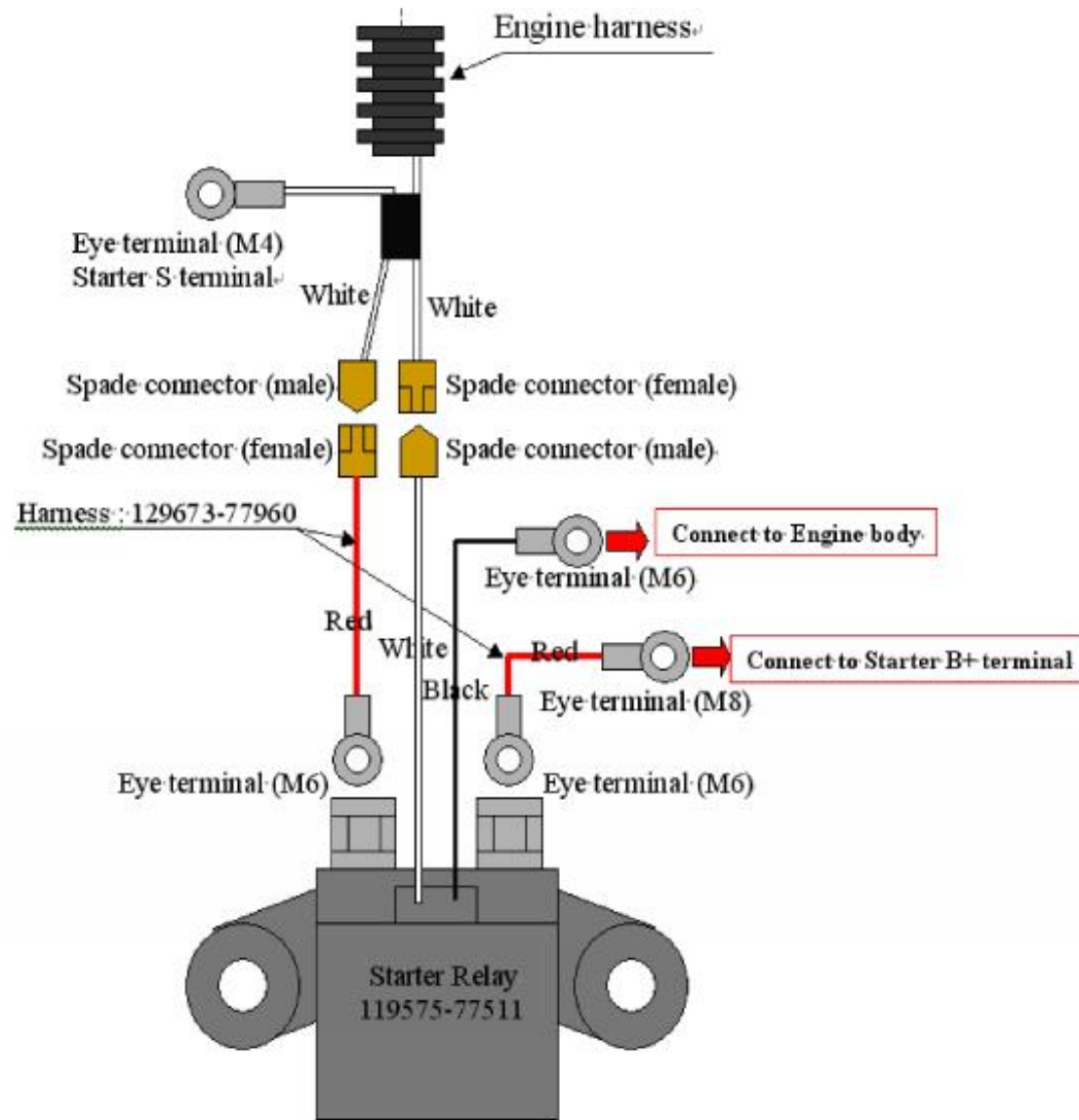
Mount the relay starter to the engine wire harness by using a tie wrap 550 (120640-09130) and cover the M6 bolts of the starter with the rubber caps.

Tie wrap 550 pn 120640-09130

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Outline



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