
Prep Plus Bulletin

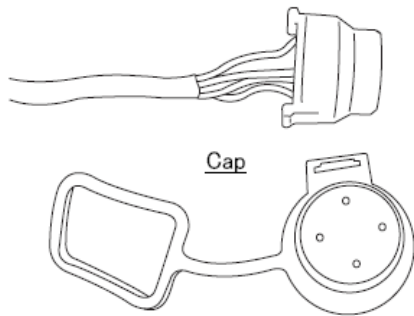
Marine Division
Bulletin No. 004
August 15, 2007

Boat Builder Bulletin

The 2008 engine model SDS communication connectors have been changed from an 8 pin round housing to a 4 pin square housing. Many of you may have noticed the new SDS version 5.0 came with the new style housing and an adapter to connect to 2007 & earlier engine models.

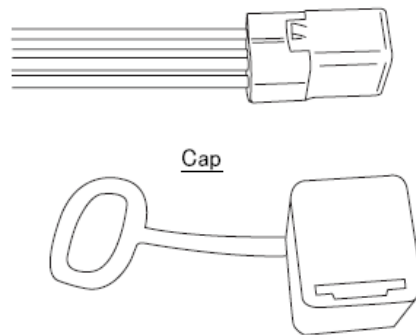
'07 Model

Communication connector



'08 Model

Communication connector



If the SMIS serial bus style gauges are used on DF40 thru DF250 engines it will be necessary to use a harness adapter to convert the existing engine interface connector to the new SDS communication housing. The 2008 SMIS interface adapter is now available and can be ordered using part number 990C0-88035.

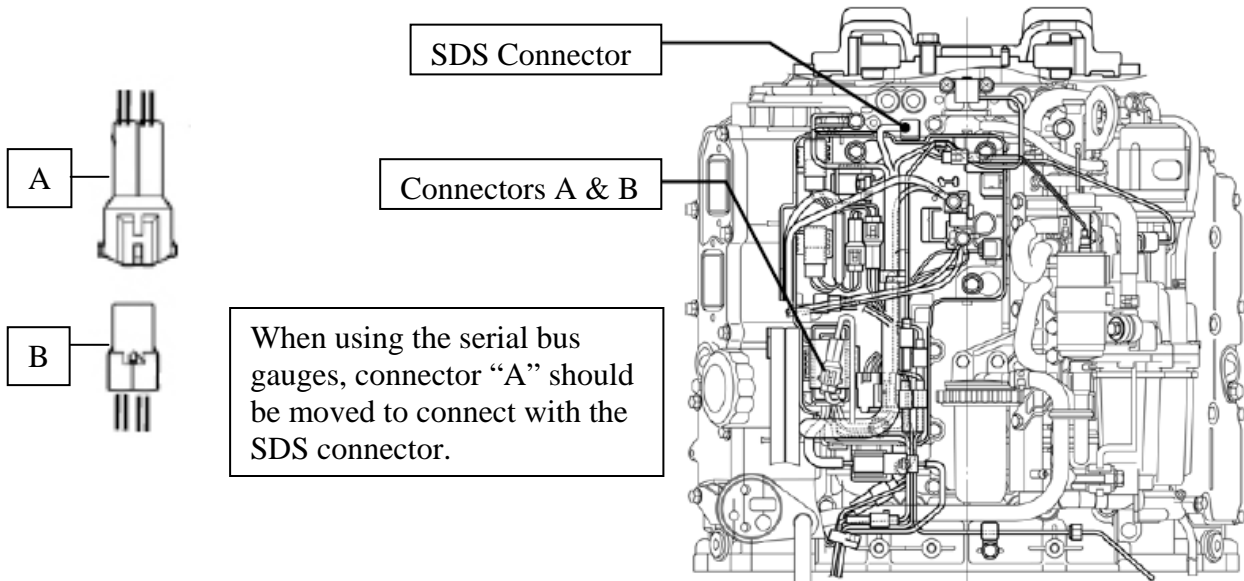
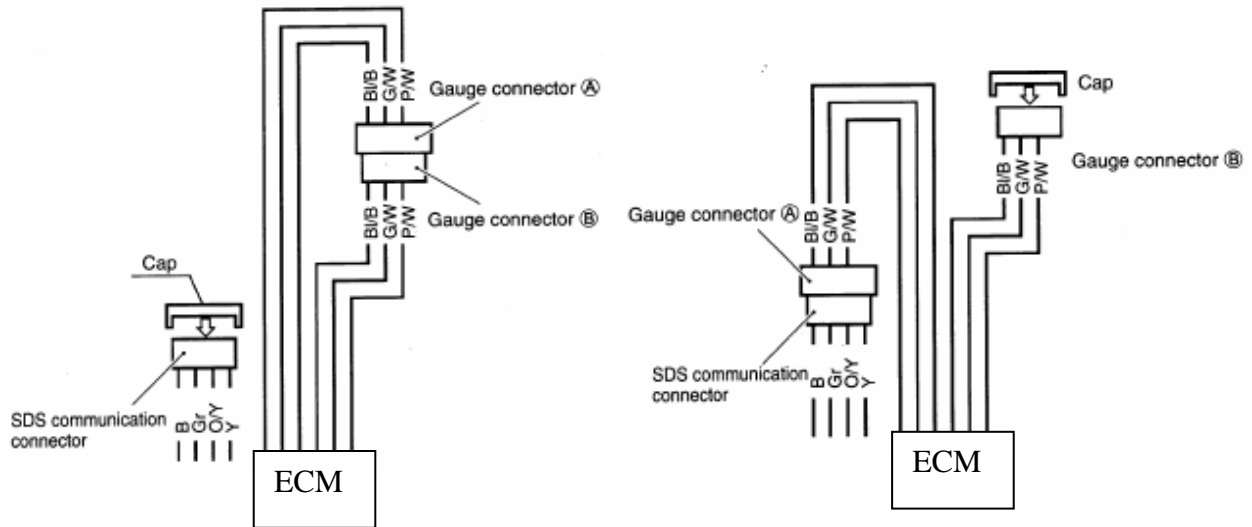


When the new serial bus style gauges are used on DF40 thru DF250 engines, the factory has incorporated the ability to use the existing harness monitor gauge wiring to make the connections at the instrument panel instead of routing a backbone cable to the engine.

At the ECM, there are now gauge connectors A & B (see below). The standard connection sends the signal from the ECM to the monitor warning gauge at the instrument panel. By separating connectors A & B and inserting the SDS communication connector into connector A, you can connect the gauge interface into the 4 pin housing originally designated for the monitor gauge.

Standard factory connection

Connection for digital gauges



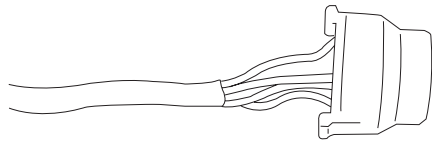
DF40TLK8 & DF50TLK8

2. WIRING HARNESS

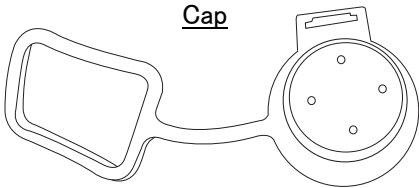
- The shape of the SDS communication connector has been changed, as shown in the figure, to connect SDS-Ver.5 without conversion harness.
- The optional digital gauge operating signal is output from the three lead wires in this connector. For this reason, when the optional gauge (Teleflex gauge) is used, the connector (A) for the standard gauge in the wiring harness in the figure should be connect with the SDS communication connector.

'07 Model

Communication connector

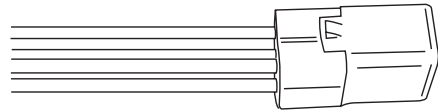


Cap

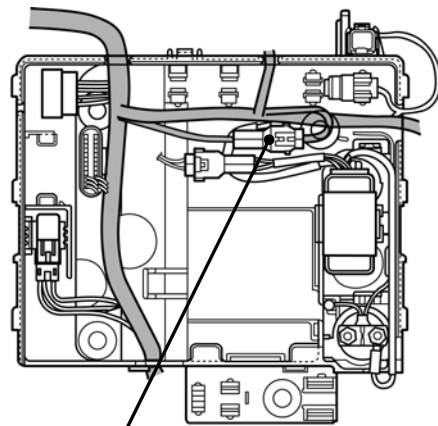
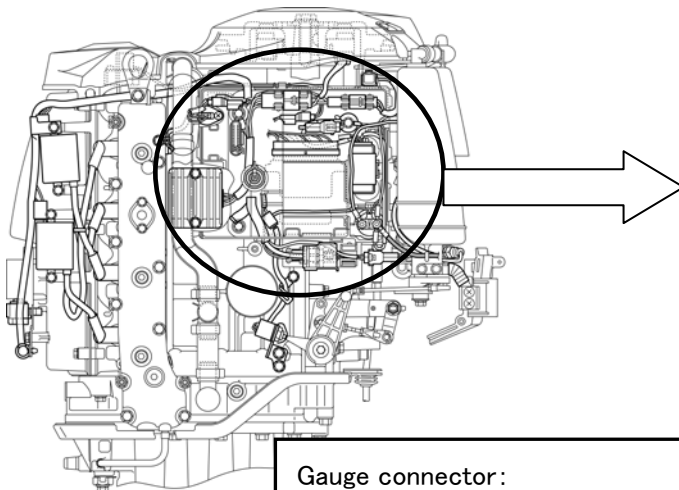
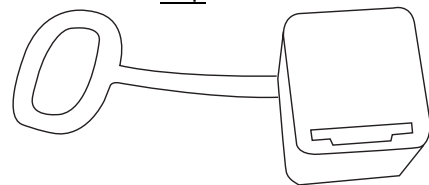


'08 Model

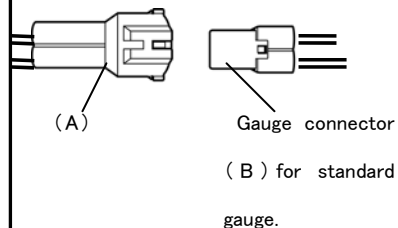
Communication connector



Cap

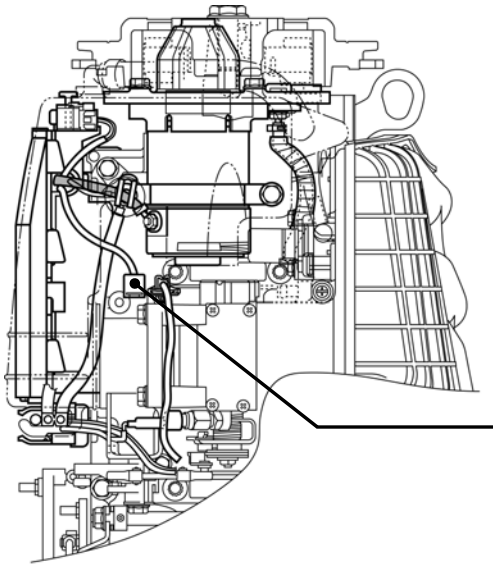


Gauge connector:



- When using the optional digital gauge, connector (A) should be connect with the SDS communication connector.

DF40TLK8 & DF50TLK8



SDS communication connector
for SDS or optional digital gauge.

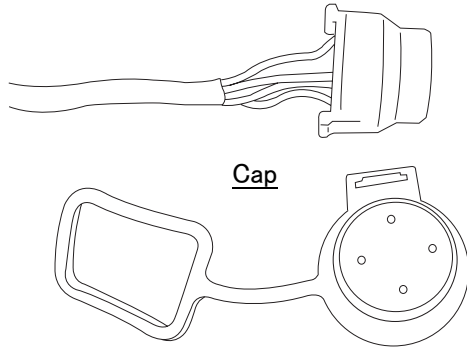
DF60TLK8 & DF70TLK8

2. WIRING HARNESS

- The shape of the SDS communication connector has been changed, as shown in the figure, to connect SDS-Ver.5 without conversion harness.
- The optional digital gauge operating signal is output from the three lead wires in this connector. For this reason, when the optional gauge (Teleflex gauge) is used, the connector (A) for the standard gauge in the wiring harness in the figure should be connect with the SDS communication connector.

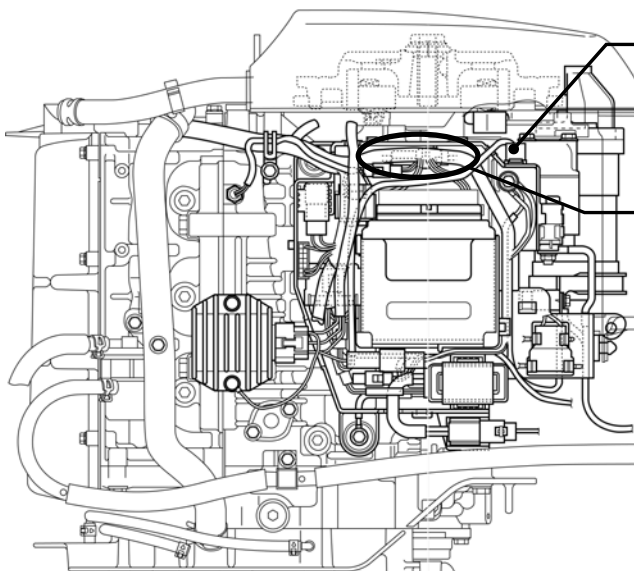
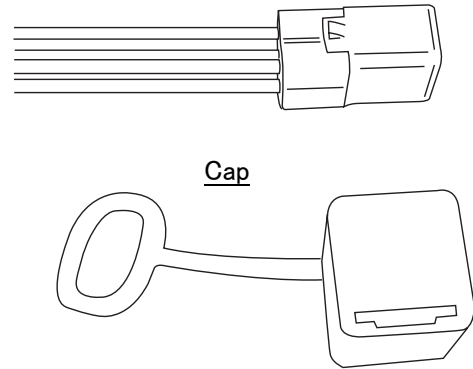
'07 Model

Communication connector



'08 Model

Communication connector



SDS Communication connector
for SDS or optional digital gauge.

The standard gauge connector is located in
the rear of main harness.



Gauge connector (A), Gauge connector (B)

- When using the optional digital gauge, connector (A) should be connect with the SDS communication connector.
- Gauge connector (B) for standard gauge.

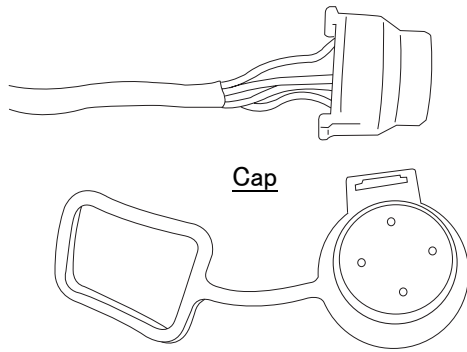
DF90T?K8, DF115T?K8 & DF140T?K8

2. WIRING HARNESS

- The shape of the SDS communication connector has been changed, as shown in the figure, to connect SDS-Ver.5 without conversion harness.
- The optional digital gauge operating signal is output from the three lead wires in this connector. For this reason, when the optional gauge (Teleflex gauge) is used, the connector (A) for the standard gauge in the wiring harness in the figure should be connect with the SDS communication connector.

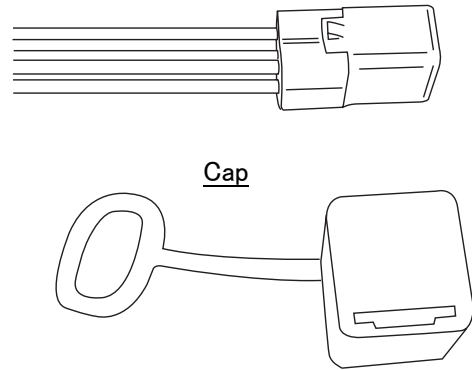
'07 Model

Communication connector

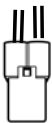


'08 Model

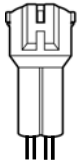
Communication connector



Bind the battery charge coil lead wire and gauge connector with cable tie as shown.

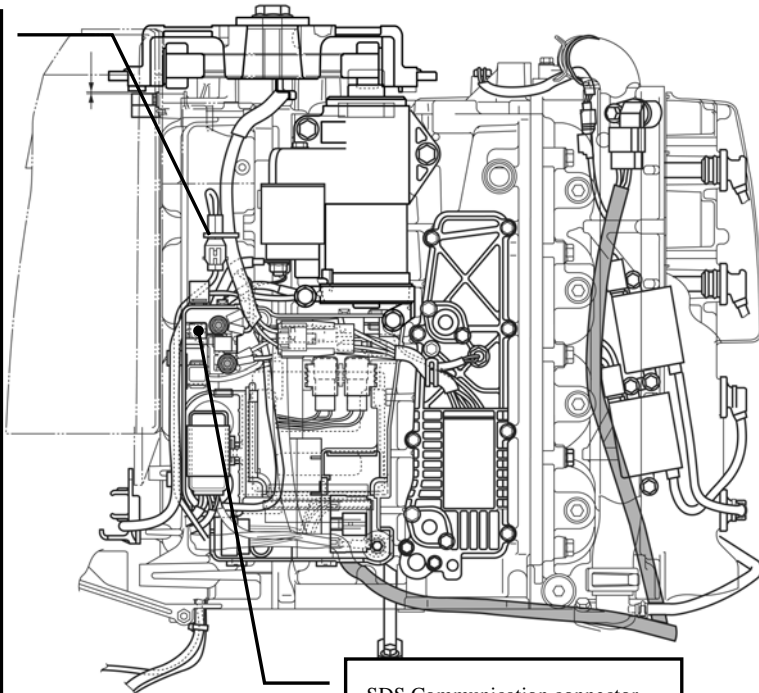


Gauge connector (B)
for standard gauge.



Gauge connector (A)

- When using the optional digital gauge, this connector should be connect with the SDS communication connector.



SDS Communication connector
for SDS or optional digital gauge.

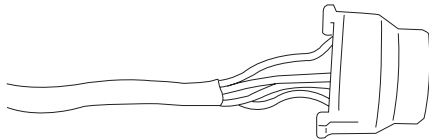
DF150T?K8 & DF175T?K8

2. WIRING HARNESS

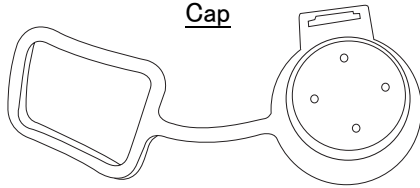
- The shape of the SDS communication connector has been changed, as shown in the figure, to connect SDS-Ver5. without conversion harness.
- The optional digital gauge operating signal is output from the three lead wires in this connector. For this reason, when the optional gauge (Teleflex gauge) is used, the connector (A) for the standard gauge in the wiring harness in the figure should be connect with the SDS communication connector.

'07 Model

Communication connector

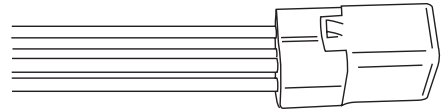


Cap

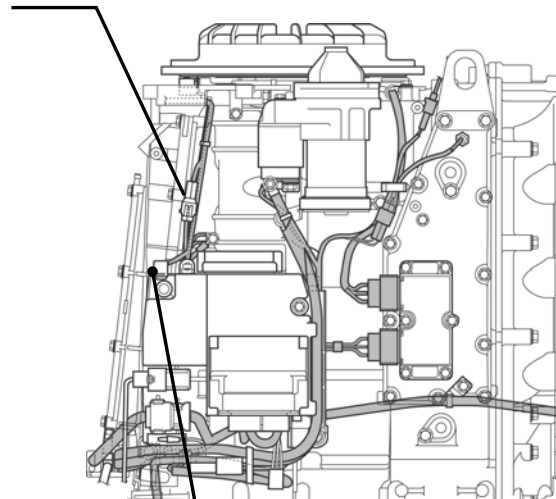
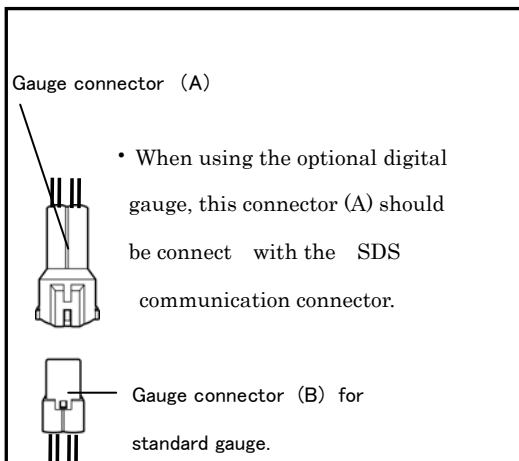
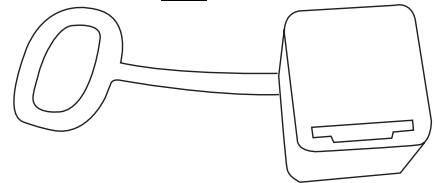


'08 Model

Communication connector



Cap



SDS communication connector for SDS or optional digital gauge.

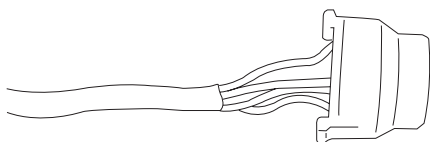
DF200T?K8 , DF225T?K8 , DF250T?K8 & /DF250SSK8

2. WIRING HARNESS

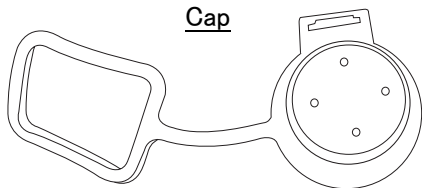
- The shape of the SDS communication connector has been changed, as shown in the figure, to connect SDS-Ver5. without conversion harness.
- The optional digital gauge operating signal is output from the three lead wires in this connector. For this reason, when the optional gauge (Teleflex gauge) is used, the connector (A) for the standard gauge in the wiring harness in the figure should be connect with the SDS communication connector.

'07 Model

Communication connector

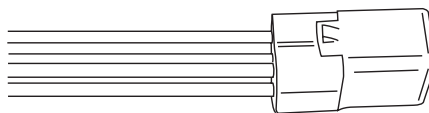


Cap

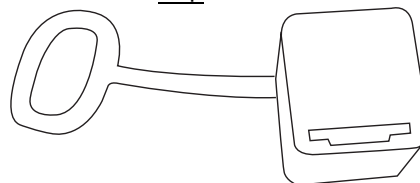


'08 Model

Communication connector

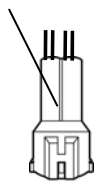


Cap

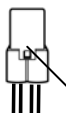


SDS communication connector
for SDS or optional digital gauge.

Gauge connector (A)



• When using the optional digital gauge, connector (A) should be connect with the SDS communication connector.



Gauge connector (B)

for standard gauge.

