

Subject : TOCS(Tohatsu Onboard Communication System)

Applicable models :

MFS 25/30C : 067991AD~ MFS 40/50A: 013179AE~

MD 30/40/50B2 : 004743AE~ MD 75/90C2: 011819AE~

MD 115A2 : 011828AE~ BFT models: All

< Summary >

TOCS (Tohatsu On board Communication System) enables various engine information to be displayed by connecting the interface coupler to the NMEA 2000® compatible system. This service bulletin provides the information regarding variety of the Tohatsu genuine meters, cables and procedure.

< TOCS meters and cables >

• Tachometer Kit

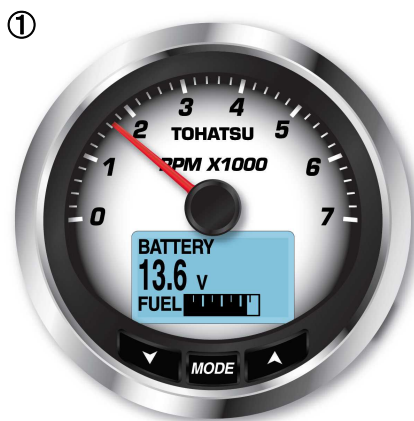
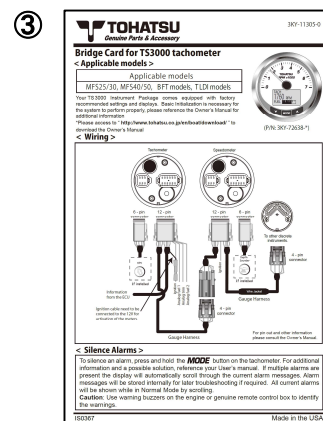


Fig. No.	Part name	Part number
	Tachometer Kit	3KY-72638-0
①	Tachometer Assy.	-
②	Tachometer Harness	-
③	Tachometer Manual	-

	A	B	C	D	
Interchangeability	<Part> <Engine> Old → Old New → New	<Part> <Engine> Old → Old New → New	<Part> <Engine> Old → Old New → New	<Part> <Engine> Old → Old New → New	Interchangeable as a set

•Speed Meter Kit



②

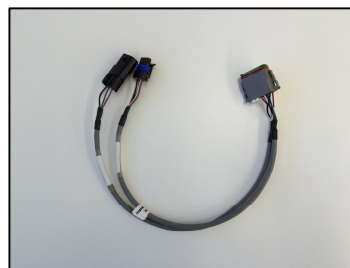


Fig. No.	Part name	Part number
①	Speed Meter Kit(60MPH)	3KY-72672-0
②	Harness (Speed)	-

•Trim Meter Kit



②

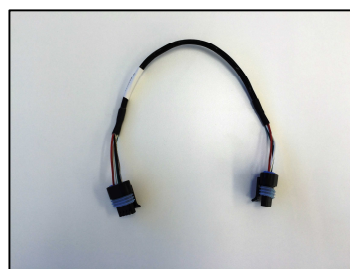


Fig. No.	Part name	Part number
①	Trim Meter Kit	3KY-72523-0
②	Harness (4 pins)	-

•Fuel Meter Kit



②

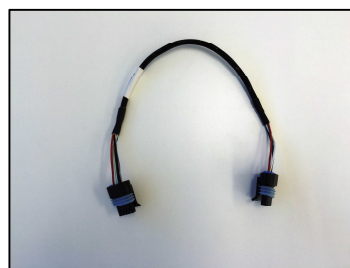


Fig. No.	Part name	Part number
①	Fuel Meter Kit	3KY-72523-0
②	Harness (4 pins)	-

• Volt Meter Kit

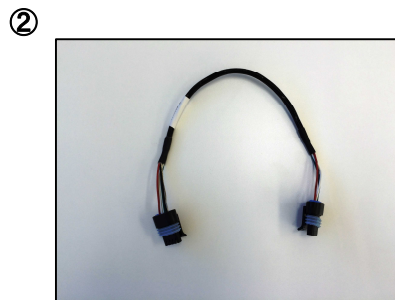


Fig. No.	Part name	Part number
①	Volt Meter Kit	3KY-72523-0
②	Harness (4 pin)	-

• TOCS Starter Kit

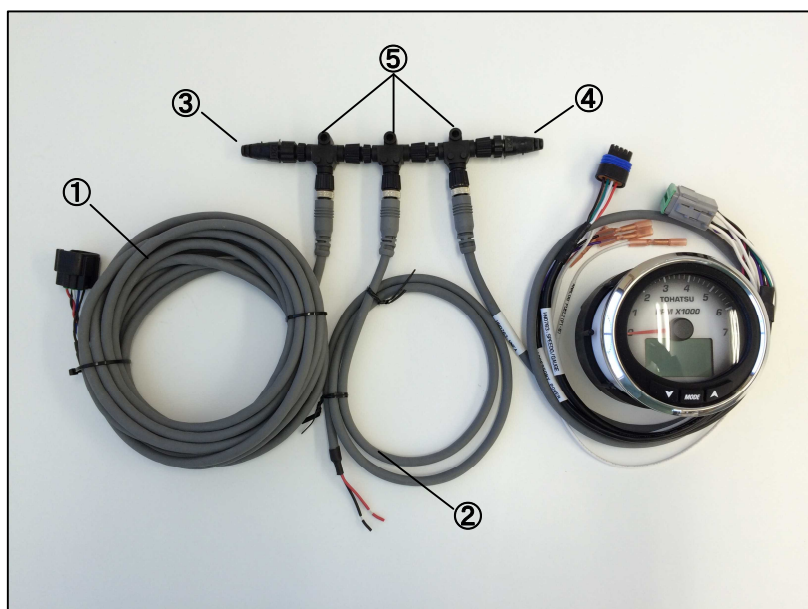
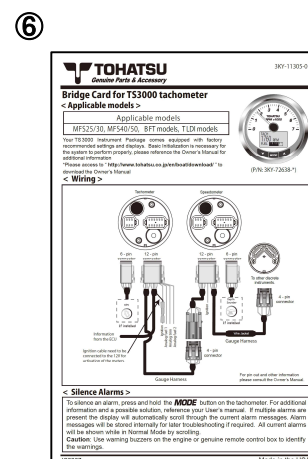


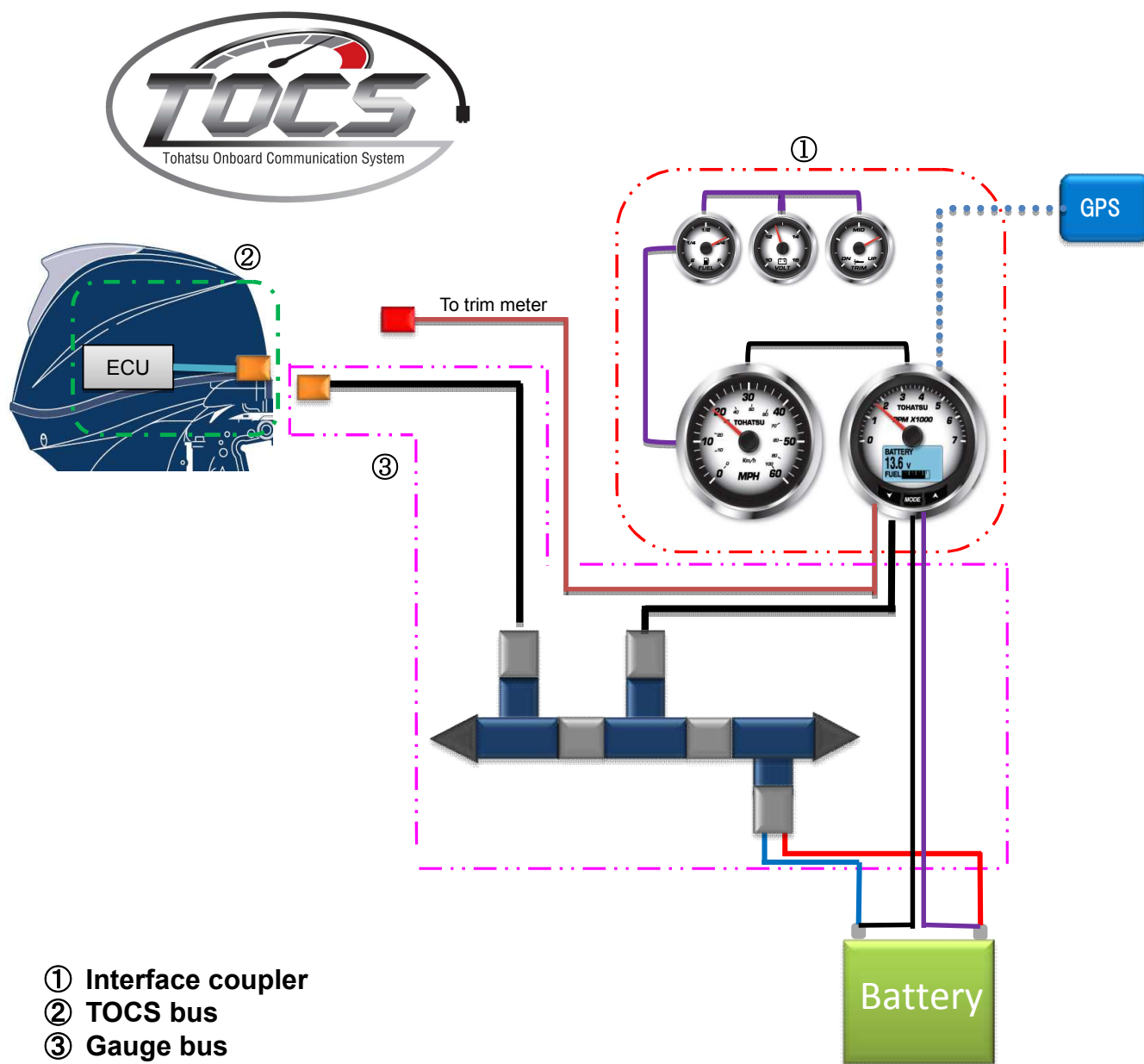
Fig. No.	Part name	Part number
—	TOCS Starter Kit	3KY-72637-0
①	Engine Drop Cable	3KY-76131-0
②	Battery Cable	3KY-76120-0
③	Terminator (Female)	3KY-76152-0
④	Terminator (Male)	3KY-76153-0
⑤	Tee Connector	3KY-76151-0
⑥	Tachometer Manual	-

▪Interface Cable, Extension Code (Trim Sensor)



Fig. No.	Part name	Part number
①	Interface Cable	3NV-76133-0
②	Extension Code (Trim Sensor)	3KY-72573-0

< TOCS wiring description >

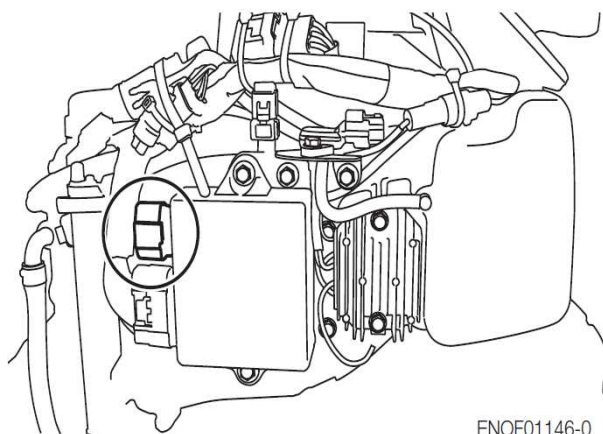


TOCS consists of Interface Coupler, TOCS bus and Gauge bus. Detail of each section is on from the next page.

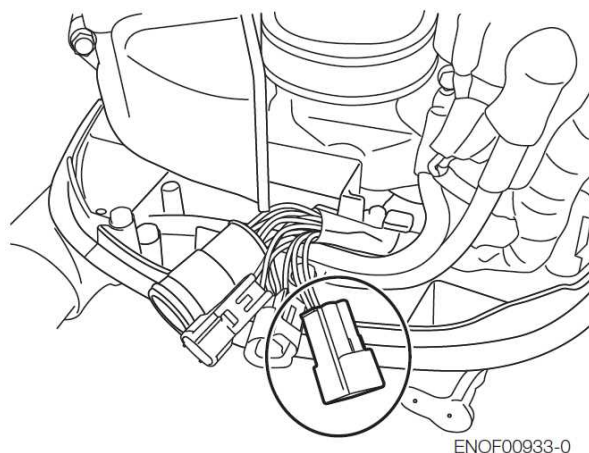
① Interface Coupler locations

Location of the Interface Coupler, which is for outputting the information from the ECU, is different from each model.

◆MFS 25/30C

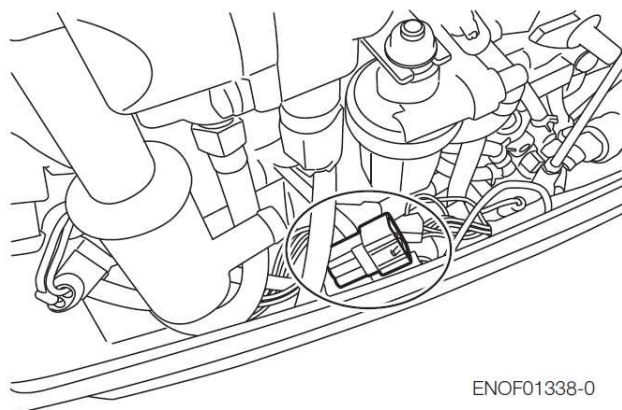


◆MFS 40/50A

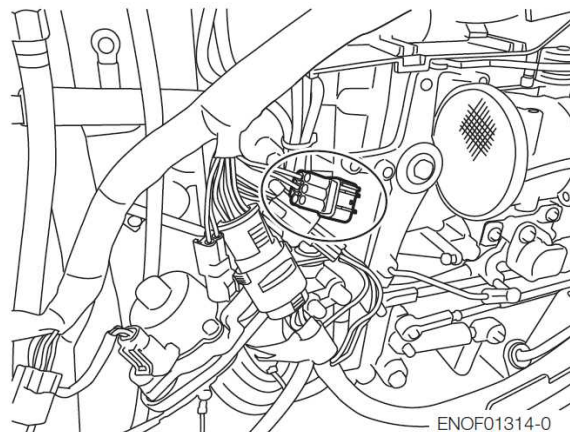


*MFS25/30C requires Interface Cable (3NV-76133-0) which bridges the ECU and TOCS bus.

◆MD 30/40/50B2



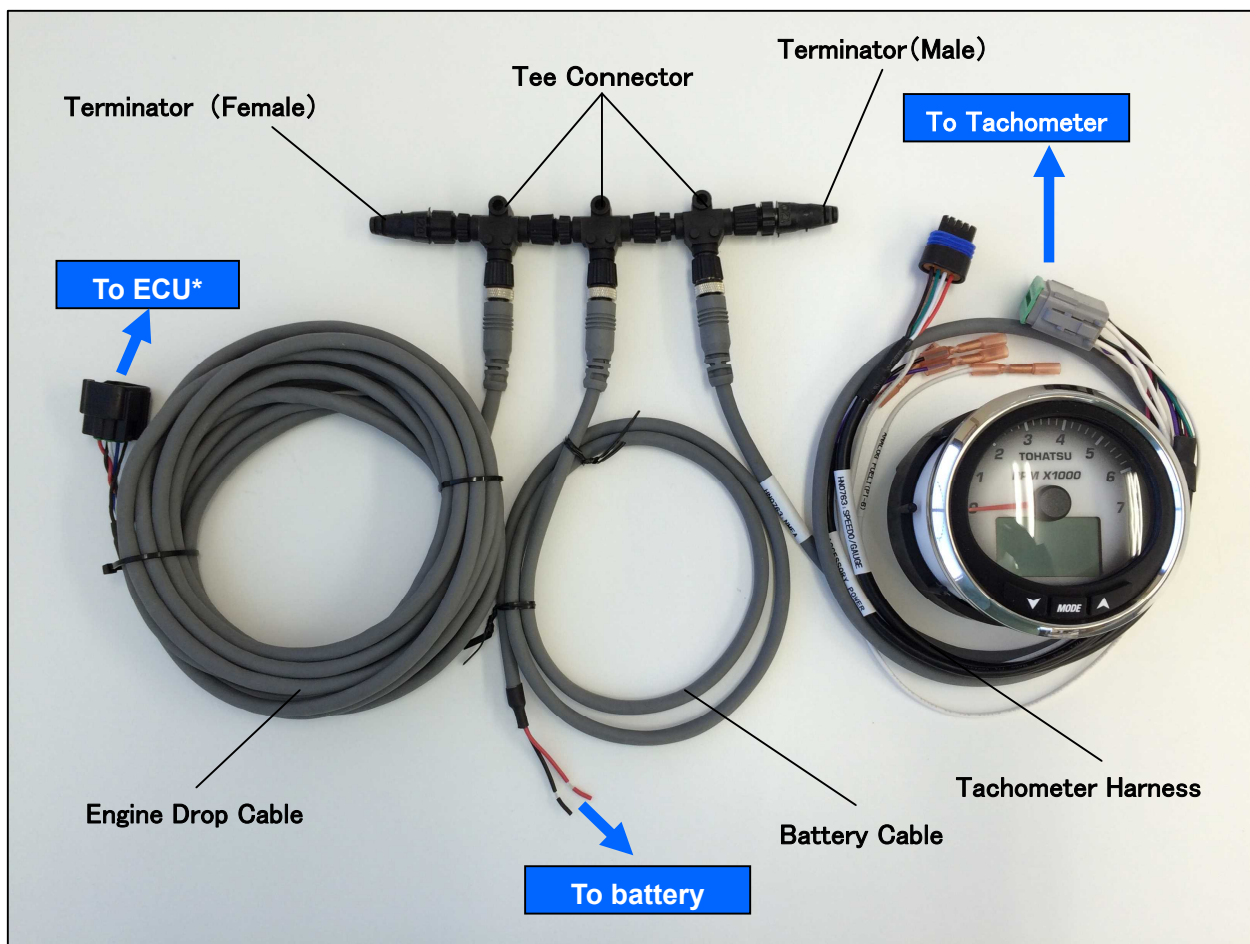
◆MD 75/90C2/115A2



◆BFT models

Please refer to the owner's manual.

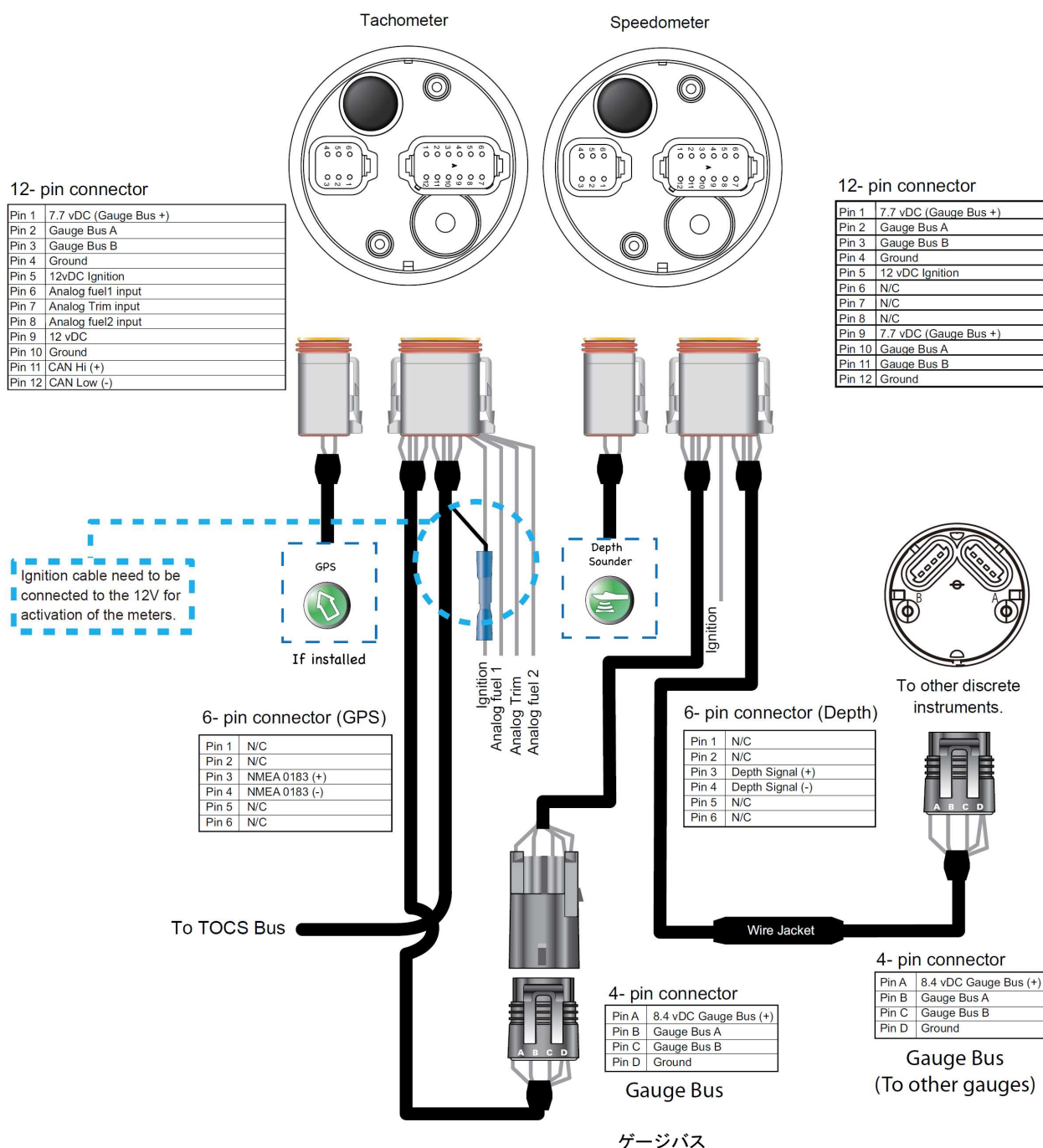
② TOCS bus



* MFS 25/30C requires additional conversion cable "Interface Cable (3NV-76133-0)" which connects to the ECU and Engine Drop Cable.

- If input or output device (display, fish finder etc.) is to be added, an additional Tee Connector is required.
- There is no particular order for the cables as long as each end has a terminator.

③ Gauge bus



- *The Tachometer is necessary to activate the other meters, because the information is transferred from the tachometer.
- *If fuel or volt meter is installed, connect each meter with the included cable.
- *If speedometer is not installed, 4 pin connector of the tachometer harness is connected to the trim meter.
- *Speedometer requires commercial available NMEA2000® compatible GPS.