

SUZUKI MODULAR INSTRUMENT SYSTEM

SUZUKI MODULAR INSTRUMENT SYSTEM (SMIS) uses an easy to connect and expandable cable system to transmit graphic and numerical data to Multi-Function gauges. Easy to set up and install system can be used with nearly any boat and DF300 SUZUKI Outboard. Connected to the NMEA2000R compatible system, the gauges can display real-time readings from compatible electronic probes and the exclusive SMIS engine interface to monitor all engine functions. (Engine Monitor with 4" gauge only)

APPLICABLE MODELS

model	engine number	applicability
DF300T	30002F-110001~	Available
DF300Z	30002Z-110001~	Available
DF250T	25003F-110001~	Available
DF250Z	25004Z-110001~	Available
DF225T	22503F-110001~	Available
DF225Z	22503Z-110001~	Available
DF200T	20002F-110001~	Available
DF200Z	20002Z-110001~	Available
DF175T	17502F-110001~	Available
DF175Z	17502Z-110001~	Available
DF150T	15002F-110001~	Available
DF150Z	15002Z-110001~	Available
DF140T	14002F-110001~	Available
DF140Z	14002Z-110001~	Available
DF115T	11502F-110001~	Available
DF115Z	11502Z-110001~	Available

model	engine number	applicability
DF100	10002F-110001~	Available
DF90A	09003F-110001~	Available
DF80A	08002F-110001~	Available
DF70A	07003F-110001~	Available
DF60A	06002F-110001~	Available
DF50A	05003F-110001~	Available
DF40A	04003F-110001	Available
DF25	02503F-110001~	Not available
DF15	01503F-110001~	Not available
DF9.9A	00994F-110001~	Not available
DF8A	00801F-110001~	Not available
DF6	00602F-110001~	Not available
DF5	00502F-110001~	Not available
DF4	00402F-110001~	Not available
DF2.5	00252F-110001~	Not available

SMIS MULTI-FUNCTION GAUGE & OPTIONAL INSTRUMENT TRIM

SMIS MULTI-FUNCTION GAUGE

The 4" multi-function gauge uses a state-of-the-art high-contrast, dot matrix display to monitor real-time graphic and numerical digital data. When connected into the SMIS system, it can monitor all engine functions, act as a speedometer, tachometer, GPS*, and many others. (*GPS requires additional hardware.) The 2" multi-function gauge is capable of all functions of the 4" gauge except engine monitoring functions. When connected to the SMIS system, it a can be programmed to monitor all other functions.



Ouad analog page as a tachometer, a volt meter, a water-pressure gauge and a speedometer for single engine

4" SMIS Multi-Function Gauge 34200-88L00-000

Examples of display**



Engine trim page as a trim gauge for single engine



Single analog page as a tachometer for single engine



Single analog page as a speedometer



Fuel manager page as a fuel gauge



Dual digital page as a hour meter and a speedometer for single engine



Diagnostics page



Fuel manager page

Examples of display**



as a volt meter for single engine



Fuel manager page



Engine trim page as a trim gage for single engine

2" SMIS Multi-Function Gauge 34800-88L00-000

with a gray bezel + a T-connector (36664-88L00-000) +Operation & Installation Manual

** The detail instructions of display-operation are explained in the Operation & Installation Manual.

with a gray bezel + a T-connector (36664-88L00-000)

+Operation & Installation Manual

Gauge Kit (4" Gauge Kit 34011-88L00-000, 2" Gauge Kit 34011-88L10-000)

Available for your covenience. Refer to the following chart for the contents.

Contents													
		quantity											
part name	part number	4" Gauge Kit		2" Gauge Kit									
part name	part namber	34011-88L00-	000	34011-88L10-	000								
			***		***								
4" SMIS Multi-Function Gauge	34200-88L00-000	1	1	-	-								
2" SMIS Multi-Function Gauge	34800-88L00-000	-	-	1	1								
Terminator Female	36665-88L00-000	1	-	1	-								
Terminator Male	36665-88L10-000	1	-	1	-								
Extension Cable 25 feet	36662-88L00-000	1	-	1	-								
Engine Interface unit	34922-88L00-000	1	1	1	1								
Power Cable	36663-88L00-000	1	1	1	1								
Operation & Installation Manual for 4" Gauge		1	-	-	-								
Operation & Installation Manual for 2" Gauge		-	-	1	-								
***Quantity of T-connector(s) in a kit													

Change the standard gray bezel to suit your application. Two different bezel finishes are available for 2" or 4" Multi-Function gauges.









4" bezel, chrome 34193-88L00-000

4" bezel, white 34193-88L20-000

2" bezel, chrome 34193-88L40-000 2" bezel, white 34193-88L60-000

OPTIONAL INSTRUMENT TRIM

ENGINE INTERFACE & POWER CABLE & CONNECTION CABLE & CONNECTION HARDWARE

ENGINE INTERFACE

The most important part of the SMIS data system. DF300 of SUZUKI outboards can connect to the system, using Engine Interface Adapter.



Engine Interface Unit with a T-connector 34922-88L00-000



Engine Interface Adapter 36661-98J10-000

for single DF300 engine only



Engine Interface Adapter 36661-98J20-000

for dual DF300 engine only

36661-98J30-000

for triple DF300 engine only



POWER CABLE

The fused (3A) lead connects the extension cable to the power source.



SMIS Power Cable with a T-connector 36663-88L00-000

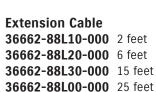


Power Node with a T-connector 36663-88L10-000

Allows network to be powered from multiple power sources (key switch, accessory switch, etc...). For multiple (2 or 3) engines of DF40-250 only

CONNECTION CABLE

The extension cable is the mainline of SMIS. Data communication runs the length of the boat, capped at each and with a 120-ohm terminator. NMEA2000 compatible sensors or other devices can be added by the use of T-connectors throughout the system.





CONNECTION HARDWARE

T-Connector 36664-88L00-000

T-connectors link all compatible cables. data and sensor devices, and can be easily secured.



Terminator Female 36665-88L00-000

120-ohm terminators are required for any open cable ends in the system.



Terminator Male 36665-88L10-000

120-ohm terminators are required for any open cable ends in the system.



Adapter Harness to N network 36666-88L00-000

(Black network to Blue devices) Allows connection to other NMEA devices (Device NET).





Adapter Harness to L network 36666-88L10-000

(Blue network to Black devices)



Fluid Level Sensor with a T-connector 34810-88L00-000

Monitors the fluid levels such as fuel, live well water level. etc. 10ft cable.



Speed Sensor with a T-connector 34190-88L00-000

Paddle wheel-type speed sensor. 10ft cable.



 Contents:
 Part Number
 Qty/Kit

 Speedometer sender
 34190-95500-000
 1

 Speedometer-hose union
 55127-87D00-000
 1

 Hose
 1

 Clamp (L: 100 mm)
 09407-10404-000
 2

Use Speedometer sender (34190-95500-000) in case that the integrated sender cannot detect a proper boat-speed.



Water Temperature Sensor with a T-connector 34455-88L00-000

Surface-water temperature sensor. 10ft cable.



Water Temperature Sensor with a T-connector 34455-88L10-000

(Thru-Hull type)



Water-pressure-sensor kit 34970-98J01-000

Applicable model: DF70A-90A/300

This kit can be installed as a water pressure sensor or as a speed sensor. The detail is described in the installation manual, which is contained in the package.

			Quantity	
Co	ntents:	in KIT	used for water-pressure sensor	used for speed sensor
1	Sensor	1	1	1
2	Connector	1	1	1
3	Bolt	1	1	1
4	Clip	4	4	1
5	3-way	1	1	-
6	Water-pressure hose (500mm)	1	1	_
7	Сар	1	-	1



Water Pressure Sensor with a T-connector 34960-88L00-000



GPS Receiver Module with a T-connector 39950-88L00-000

Displays the accurate location and speed on multi-function gauges.

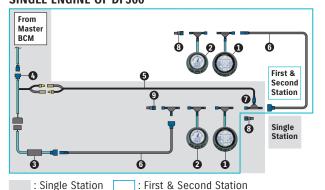
Example of Connection for DF300 with SMIS Multi-Function Gauge

(in case of equipping the same quantities of 4" and 2" gauges as engines' and stations', and all optional items)

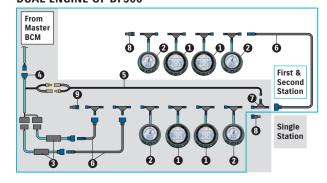
- NOTE: (*1): Quantity of T-Connector(s) 36664-88L00 in a package.
 - (*2): The required or recommended quantities are shown. Numbers in round-parentheses show the required ones if equipped.
 - (*3): While some of SMIS items have a T-connector in a package, the total of the T-connectors coming with them does not always satisfy the required quantity.

category	Ref. #	part name	(*1)			engine(s)									part number					
					tents	1	2	3		1			2			3				
					of Via	stati			station(s)						(s)					
			uduge Kit		Gauge Kit		1	1	2 total	1 04	2nd	2 total	1.04	Ond	total	1.04	2nd	4		
				4"	2"				equired					2110	totai	151	2110	+		
SMIS multi-function gauge	0	4" SMIS Multi-Function Gauge with a gray bezel	1	1		1	2	3	2	quai	1	4	2	2	6	3	3	34200-88L00-000		
Swii S marti Tunction gauge	-	4" Gauge Kit	3	KIT		_		J		_	_				_	+	Ť	34011-88L00-000		
	2	2" SMIS Multi-Function Gauge with a gray bezel	1	KII	1	1	2	3	2	1	1	4	2	2	6	3	3	34800-88L00-000		
	-	2" Gauge Kit	3		KIT	_	_					<u> </u>	Ė			<u> </u>	Ť	34011-88L10-000		
engine interface	6	Engine Interface unit	1	1	1	1	2	3	1	1		2	2		3	3		34922-88L00-000		
		Engine Interface Adapter for single DF300 engine only	0	_	_	1	_		1	1								36661-98J10-000		
	0	Engine Interface Adapter for dual DF300 engine only	0				1					1	1					36661-98J20-000		
		Engine Interface Adapter for triple DF300 engine only	0					1							1	1		36661-98J30-000		
power cable	6	Power Cable	1	1	1	1	1	1	1	1		1	1		1	1		36663-88L00-000		
connection cable	6	Extension Cable 2 feet	0															36662-88L10-000		
		Extension Cable 6 feet	0									•						36662-88L20-000		
		Extension Cable 15 feet	0			1	2	3	2	1	1	3	2	1	4	3	1	36662-88L30-000		
		Extension Cable 25 feet	0	1	1													36662-88L00-000		
connection hardware	0	T-Connector (*3)	1			4 (*3)	7 (*3)	10 (*3)	6 (*3)	4	2	11 (*3)	7	4	16 (*3)	10	6	36664-88L00-000		
	8	Terminator Female	0	1	1	1	1	1	1		1	1		1	1		1	36665-88L00-000		
	9	Terminator Male	0	1	1	1	1	1	1	1		1	1		1	1		36665-88L10-000		
		Adapter Harness to N network (Black network to Blue devices)	0															36666-88L00-000		
		Adapter Harness to L network (Blue network to Black devices)	0															36666-88L10-000		
sensor		Fluid Level Sensor	1			(1)	(1)	(1)	(1)			(1)			(1)			34810-88L00-000		
		Speed Sensor	1			(1)	(1)	(1)	(1)			(1)			(1)			34190-88L00-000		
		Water Temperature Sensor	1			(1)	(1)	(1)	(1)			(1)			(1)			34455-88L00-000		
		Water Temperature Sensor (Thru-Hull type)	1			(1)	(1)	(1)	(1)			(1)			(1)			34455-88L10-000		
		Water Pressure Sensor	1			(1)	(1)	(1)	(1)			(1)			(1)			34960-88L00-000		
		GPS Receiver Module	1			(1)	(1)	(1)	(1)			(1)			(1)		\perp	39950-88L00-000		
optional trim		4" bezel, chrome (6 pieces in one package)	0															34193-88L00-000		
		4" bezel, white (6 pieces in one package)	0															34193-88L20-000		
		2" bezel, chrome (6 pieces in one package)	0															34193-88L40-000		
		2" bezel, white (6 pieces in one package)	0															34193-88L60-000		

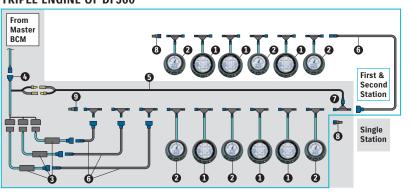
SINGLE ENGINE OF DF300



DUAL ENGINE OF DF300



TRIPLE ENGINE OF DF300



Example of Connection for DF40-250 with SMIS Multi-Function Gauge

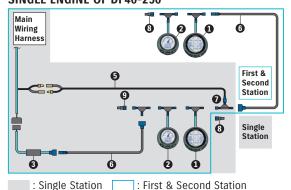
(in case of equipping the same quantities of 4" and 2" gauges as engines' and stations', and all optional items)

NOTE: (*1): Quantity of T-Connector(s) 36664-88L00 in a package.

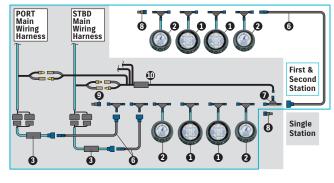
- (*2): The required or recommended quantities are shown. Numbers in round-parentheses show the required ones if equipped.
- (*3): While some of SMIS items have a T-connector in a package, the total of the T-connectors coming with them does not always satisfy the required quantity.

category	Ref. #	part name	(*1)			engine(s)									part number					
			Contents		1	2	3		1			2			3					
					of So Vit				sta	tion(s)										
			uduge Kit		dauge Kit		Gauge Kit		1	1	2 total	1et	2nd	2 total	1st	2nd	total	1st	2nd	
				4"	2"			r	equired					ZIIU	totai	130	ZIIU			
SMIS multi-function gauge	0	4" SMIS Multi-Function Gauge with a gray bezel	1	1		1	2	3	2	1	1	4	2	2	6	3	3	34200-88L00-000		
		4" Gauge Kit	3	KIT														34011-88L00-000		
	0	2" SMIS Multi-Function Gauge with a gray bezel	1		1	1	2	3	2	1	1	4	2	2	6	3	3	34800-88L00-000		
		2" Gauge Kit	3		KIT													34011-88L10-000		
engine interface	3	Engine Interface unit	1	1	1	1	2	3	1	1		2	2		3	3		34922-88L00-000		
power cable	9	Power Cable	1	1	1	1	1	1	1	1		1	1		1	1		36663-88L00-000		
	10	Power Node for multiple engine of DF40-250 only	1				1	1				1	1		1	1		36663-88L10-000		
connection cable	0	Extension Cable 2 feet	0			1 2												36662-88L10-000		
		Extension Cable 6 feet	0					3	2	1	1	3	2	1	4	3	1	36662-88L20-000		
		Extension Cable 15 feet	0				2	3		1	1	3	2	1	4	3	1	36662-88L30-000		
		Extension Cable 25 feet	0	1	1													36662-88L00-000		
connection hardware	0	T-Connector (*3)	1	3	3	4 (*3)	7 (*3)	10 (*3)	6 (*3)	4	2	11 (*3)	7	4	16 (*3)	10	6	36664-88L00-000		
	8	Terminator Female	0	1	1	1	1	1	1		1	1		1	1		1	36665-88L00-000		
	9	Terminator Male	0	1	1	1	1	1	1	1		1	1		1	1		36665-88L10-000		
		Adapter Harness to N network (Black network to Blue devices)	0															36666-88L00-000		
		Adapter Harness to L network (Blue network to Black devices)	0															36666-88L10-000		
sensor		Fluid Level Sensor	1			(1)	(1)	(1)	(1)			(1)			(1)			34810-88L00-000		
		Speed Sensor	1			(1)	(1)	(1)	(1)			(1)			(1)			34190-88L00-000		
		Water Temperature Sensor	1			(1)	(1)	(1)	(1)			(1)			(1)			34455-88L00-000		
		Water Temperature Sensor (Thru-Hull type)	1			(1)	(1)	(1)	(1)			(1)			(1)			34455-88L10-000		
		Water Pressure Sensor	1			(1)	(1)	(1)	(1)			(1)			(1)			34960-88L00-000		
		GPS Receiver Module	1			(1)	(1)	(1)	(1)			(1)			(1)			39950-88L00-000		
optional trim		4" bezel, chrome (6 pieces in one package)	0															34193-88L00-000		
		4" bezel, white (6 pieces in one package)	0															34193-88L20-000		
		2" bezel, chrome (6 pieces in one package)	0															34193-88L40-000		
		2" bezel, white (6 pieces in one package)	0															34193-88L60-000		

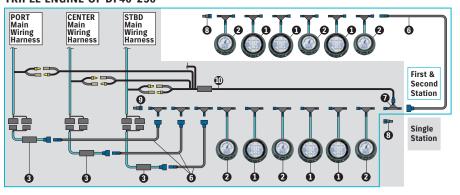
SINGLE ENGINE OF DF40-250



DUAL ENGINE OF DF40-250



TRIPLE ENGINE OF DF40-250



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