

# 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. This easy to set up and install system can be used with nearly any boat and DF9.9B thru DF300 Suzuki Outboard. Connected to the NMEA 2000® 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).



990C0-88162  
4" Multi-Function Gauge



990C0-88150  
2" Multi-Function Gauge

Fuel Gauge Display

Trim Gauge Display

Dual Engine Tachometer Display

990C0-88025-6PK  
Chrome Bezel 2"

990C0-88027-6PK  
White Bezel 2"

## SMIS Multi-Function Gauges

### 4" 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, Speedometer, Tachometer, GPS\* and many others.

**990C0-88164-KIT 4" multi-function gauge kit includes:**

990C0-88162	4" Multi-Function Gauge	1
990C0-88113	Female Terminator	1
990C0-88114	Male Terminator	1
990C0-88110	NMEA "T"	3
990C0-88112	Power Cable	1
990C0-88149	Interface Cable	1
990C0-88162	4" Multi-Function Gauge (Gauge Only)	

\*GPS requires additional hardware.

### 2" Multi-Function Gauge

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 can be programmed to monitor all other functions.

**990C0-88154-KIT 2" multi-function gauge kit includes:**

990C0-88150	2" Multi-Function Gauge	1
990C0-88113	Female Terminator	1
990C0-88114	Male Terminator	1
990C0-88110	NMEA "T"	3
990C0-88112	Power Cable	1
990C0-88149	Interface Cable	1
990C0-88108	25' Backbone Cable	1
990C0-88136	SMIS Adaptor	1
990C0-88150	2" Multi-Function Gauge (Gauge Only)	

## GPS Receiver Module

GPS receiver module interface for display of accurate location and speed on Multi-Function Gauges.

990C0-88120	GPS Module
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990C0-88120  
GPS Module

## Optional Instrument Trims

Change the standard black bezel to suit your application. 4 different bezel finishes to choose from for 2" or 4" Multi-Function gauges.

990C0-88021-6PK	Chrome Bezel 4" (not shown)
990C0-88023-6PK	White Bezel 4" (not shown)
990C0-88025-6PK	Chrome Bezel 2"
990C0-88027-6PK	White Bezel 2"

## Engine Interface Cable and Power Cables

### Suzuki Modular Instrument System Engine Interface Cable (not shown)

The most important part of the SMIS data system. DF9.9B thru DF300 Suzuki Outboards can connect to the system using the exclusive SMIS Engine Interface. (Adaptor Cable also needed for DF150G/175G/200AP/250AP/300AP applications.)

990C0-88149	Engine Interface Cable
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### SMIS Adapters (not shown)

Special Adaptor must be used with SMIS Engine Interface to connect the DF150G/175G/200AP/250AP/300AP Outboard to the system.

990C0-88131	Single Engine Adapter
990C0-88132	Dual Engine Adapter
990C0-88133	Triple Engine Adapter
990C0-88132 x2	Quad Engine Adapter
990C0-88136	SMIS Adaptor - to connect at engine SDS connector

### Connection Cable (not shown)

The Extension Cable is the mainline of the Suzuki Modular Instrument System. Data communication runs the length of the boat, capped at each end with a 120 ohm Terminating Resistor. NMEA 2000 compatible sensors or other devices can be added by the use of T-Connectors throughout the system.

990C0-88104	2' Connection cable
990C0-88105	6' Connection cable
990C0-88107	15' Connection cable
990C0-88108	25' Connection cable

### SMIS Power Cable (not shown)

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

990C0-88112	Single Power Cable
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### Quad Power Node (not shown)

Allows network to be powered from multiple power sources (key switch, accessory switch, etc...).

990C0-88130	Quad Power Node
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990C0-88136  
Adapter Interface to SDS Port on Engine

### K8 Adapter (not shown)

Required in order to put new style 990C0-88149 Interface cable on older system with blue connector.

990C0-88141
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### NMEA Adaptor Harness (not shown)

Allows connection to other NMEA devices (Device NET).

990C0-88137	NMEA Device to Blue "T"
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990C0-88029	Blue Device to NMEA "T"
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## Connection Hardware

### T-Connector

T-Connectors link all compatible cable, data and sensor devices and can be easily secured.

990C0-88110	T-Connector
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### Terminating Resistors

120 ohm Terminating Resistors are required for any open cable ends in the system.

990C0-88113	Terminator - Female
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990C0-88114	Terminator - Male
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## Sensors

### Fluid Level Sensor (not shown)

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

990C0-88116	Fluid Level Sensor
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### Speed Sensor (not shown)

Paddle wheel-type speed sensor. 10ft cable.

990C0-88117	Speed Wheel
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### Temperature Sensor (not shown)

Surface Water Temperature sensor. 10ft cable.

990C0-88118	Temperature Sensor
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990C0-88119	Temperature Sensor - Thru Hull
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### Pressure Sensor (not shown)

990C0-88139	Pressure Sensor
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34970-98J02	Water Pressure Kit	DF70A/90A/300
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990C0-88110  
T-connector



990C0-88113  
Terminating Register - Female



990C0-88114  
Terminating Register - Male