

DIACOM ® Diagnostic Status Report

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1. VEHICLE CONFIGURATION

Engine Make: jeff port
Engine Serial No: N/A
Model Year: N/A
System Type: MerCruiser PCM555

2. PERFORMANCE DATA

<u>Parameter Description</u>	<u>Value</u>
<u>Unit</u>	
Engine Speed	650
RPM	
Available Power	100
%	
Coolant Temperature	168.80
°F	
Fuel Flow Rate	1.53
GPH	
Port Exhst Cool Temp	125.60
°F	
Sea Pump Pressure	2.73
PSI	
Starb Exhst Cool Temp	114.80
°F	
IAC Duty Cycle	32.81
%	
Manifold Absolute Pressure	9.77
PSI	
Trim Position	484
#	
Baro Pressure	14.13
PSI	
Trim Volts	2.42
VDC	
Manifold Air Temperature	107.60
°F	
Pitot ADC	0
#	
Oil Pressure	30.65
PSI	

Paddle Wheel	0
Hz	
Throttle Position	0.00
%	
Sensor Power	5.01
VDC	
Throttle Sensor Voltage	0.58
VDC	
Lake/Sea Temp	431.60
°F	
Spark Advance	-3.75
DEG	
Fuel Level	1022
#	
Battery Voltage	12.81
VDC	

3. TROUBLE CODE STATUS

Current ECM Codes

Freeze Frame Data:

0 PRT EMCT OVRHT

FF Baro Pressure	14.16
PSI	
FF Battery Volts	13.89
VDC	
FF Sea Pump Pressure	2.77
PSI	
FF Boat Speed	19.00
#	
FF Manifold Air Temp	84.20
°F	
FF Coolant Temp	145.40
°F	
FF Demand	0.00
%	
FF Engine Speed	718
RPM	
FF Engine State	Running
FF FPC Total	28.6
Counts	

FF Frequency Count	0
FF Fuel Level	0.00
%	
FF Gear Position	In Gear
FF Lake Temp	431.60
°F	
FF Engine Load	9.92
%	
FF Main Pwr Relay Requests	33812.0
FF Manifold Air Pressure	9.41
PSI	
FF Oil Level	0.00
%	
FF Port Tab Pos	0.00
%	
FF Available Power	6
%	
FF Run Time	223.62
hrs	
FF Starboard Tab Pos	0.00
%	
FF TPS Percent	0.00
%	
FF Trim Position	11.74
%	

1 PITOT CKT LO

FF Baro Pressure	14.13
PSI	
FF Battery Volts	13.06
VDC	
FF Sea Pump Pressure	3.59
PSI	
FF Boat Speed	0.00
#	
FF Manifold Air Temp	107.60
°F	
FF Coolant Temp	172.40
°F	
FF Demand	0.00
%	
FF Engine Speed	1535

RPM	
FF Engine State	Running
FF FPC Total	17.8
Counts	
FF Frequency Count	1611
FF Fuel Level	0.00
%	
FF Gear Position	In Gear
FF Lake Temp	431.60
°F	
FF Engine Load	4.44
%	
FF Main Pwr Relay Requests	33812.0
FF Manifold Air Pressure	5.14
PSI	
FF Oil Level	0.00
%	
FF Port Tab Pos	0.00
%	
FF Available Power	33
%	
FF Run Time	225.02
hrs	
FF Starboard Tab Pos	0.00
%	
FF TPS Percent	0.00
%	
FF Trim Position	65.55
%	

2 OVERSPEED

FF Baro Pressure	14.18
PSI	
FF Battery Volts	13.76
VDC	
FF Sea Pump Pressure	15.71
PSI	
FF Boat Speed	252.00
#	
FF Manifold Air Temp	118.40
°F	

FF Coolant Temp	165.20
°F	
FF Demand	74.17
%	
FF Engine Speed	5147
RPM	
FF Engine State	Running
FF FPC Total	72.6
Counts	
FF Frequency Count	17337
FF Fuel Level	0.00
%	
FF Gear Position	In Gear
FF Lake Temp	431.60
°F	
FF Engine Load	32.89
%	
FF Main Pwr Relay Requests	33812.0
FF Manifold Air Pressure	13.02
PSI	
FF Oil Level	0.00
%	
FF Port Tab Pos	0.00
%	
FF Available Power	100
%	
FF Run Time	222.48
hrs	
FF Starboard Tab Pos	0.00
%	
FF TPS Percent	74.17
%	
FF Trim Position	10.63
%	
3 BAT VOLTS LO	

FF Baro Pressure	14.22
PSI	
FF Battery Volts	10.98
VDC	
FF Sea Pump Pressure	11.95

PSI	
FF Boat Speed	0.00
#	
FF Manifold Air Temp	57.20
°F	
FF Coolant Temp	55.40
°F	
FF Demand	0.00
%	
FF Engine Speed	408
RPM	
FF Engine State	Running
FF FPC Total	47.1
Counts	
FF Frequency Count	0
FF Fuel Level	0.00
%	
FF Gear Position	In Gear
FF Lake Temp	429.80
°F	
FF Engine Load	13.61
%	
FF Main Pwr Relay Requests	33812.0
FF Manifold Air Pressure	12.39
PSI	
FF Oil Level	0.00
%	
FF Port Tab Pos	0.00
%	
FF Available Power	56
%	
FF Run Time	215.77
hrs	
FF Starboard Tab Pos	0.00
%	
FF TPS Percent	0.00
%	
FF Trim Position	13.65
%	

4 FUEL LVL2 CKT H

FF Baro Pressure	14.13
PSI	
FF Battery Volts	9.36
VDC	
FF Sea Pump Pressure	0.59
PSI	
FF Boat Speed	0.00
#	
FF Manifold Air Temp	107.60
°F	
FF Coolant Temp	172.40
°F	
FF Demand	0.12
%	
FF Engine Speed	149
RPM	
FF Engine State	Crank
FF FPC Total	0.0
Counts	
FF Frequency Count	1716
FF Fuel Level	0.00
%	
FF Gear Position	In Gear
FF Lake Temp	431.60
°F	
FF Engine Load	0.00
%	
FF Main Pwr Relay Requests	33812.0
FF Manifold Air Pressure	13.80
PSI	
FF Oil Level	0.00
%	
FF Port Tab Pos	0.00
%	
FF Available Power	50
%	
FF Run Time	225.02
hrs	
FF Starboard Tab Pos	0.00
%	
FF TPS Percent	0.12
%	
FF Trim Position	65.39

%

5 STEER CKT HI

FF Baro Pressure	14.13
PSI	
FF Battery Volts	9.36
VDC	
FF Sea Pump Pressure	0.61
PSI	
FF Boat Speed	0.00
#	
FF Manifold Air Temp	107.60
°F	
FF Coolant Temp	172.40
°F	
FF Demand	0.12
%	
FF Engine Speed	149
RPM	
FF Engine State	Crank
FF FPC Total	0.0
Counts	
FF Frequency Count	1736
FF Fuel Level	0.00
%	
FF Gear Position	In Gear
FF Lake Temp	431.60
°F	
FF Engine Load	0.00
%	
FF Main Pwr Relay Requests	33812.0
FF Manifold Air Pressure	13.80
PSI	
FF Oil Level	0.00
%	
FF Port Tab Pos	0.00
%	
FF Available Power	50
%	
FF Run Time	225.02
hrs	

FF Starboard Tab Pos	0.00
%	
FF TPS Percent	0.12
%	
FF Trim Position	65.55
%	

6 CAM SNSR

FF Baro Pressure	14.22
PSI	
FF Battery Volts	10.33
VDC	
FF Sea Pump Pressure	11.93
PSI	
FF Boat Speed	0.00
#	
FF Manifold Air Temp	57.20
°F	
FF Coolant Temp	55.40
°F	
FF Demand	0.12
%	
FF Engine Speed	204
RPM	
FF Engine State	Running
FF FPC Total	66.5
Counts	
FF Frequency Count	0
FF Fuel Level	0.00
%	
FF Gear Position	In Gear
FF Lake Temp	431.60
°F	
FF Engine Load	21.30
%	
FF Main Pwr Relay Requests	33812.0
FF Manifold Air Pressure	13.91
PSI	
FF Oil Level	0.00
%	
FF Port Tab Pos	0.00

%		
FF Available Power		66
%		
FF Run Time		215.77
hrs		
FF Starboard Tab Pos		0.00
%		
FF TPS Percent		0.12
%		
FF Trim Position		13.49
%		

7 CRANK SNSR

FF Baro Pressure		14.22
PSI		
FF Battery Volts		10.33
VDC		
FF Sea Pump Pressure		11.93
PSI		
FF Boat Speed		0.00
#		
FF Manifold Air Temp		57.20
°F		
FF Coolant Temp		55.40
°F		
FF Demand		0.12
%		
FF Engine Speed		204
RPM		
FF Engine State		Running
FF FPC Total		66.5
Counts		
FF Frequency Count		4
FF Fuel Level		0.00
%		
FF Gear Position		In Gear
FF Lake Temp		431.60
°F		
FF Engine Load		21.30
%		
FF Main Pwr Relay Requests		33812.0

FF Manifold Air Pressure PSI	13.91
FF Oil Level %	0.00
FF Port Tab Pos %	0.00
FF Available Power %	66
FF Run Time hrs	215.77
FF Starboard Tab Pos %	0.00
FF TPS Percent %	0.12
FF Trim Position %	13.49

8 FUEL LVL CKT HI

FF Baro Pressure PSI	14.13
FF Battery Volts VDC	13.14
FF Sea Pump Pressure PSI	3.39
FF Boat Speed #	0.00
FF Manifold Air Temp °F	107.60
FF Coolant Temp °F	172.40
FF Demand %	0.00
FF Engine Speed RPM	1575
FF Engine State	Running
FF FPC Total Counts	18.1
FF Frequency Count	1605
FF Fuel Level %	0.00
FF Gear Position	In Gear
FF Lake Temp	431.60

°F	
FF Engine Load	4.63
%	
FF Main Pwr Relay Requests	33812.0
FF Manifold Air Pressure	5.22
PSI	
FF Oil Level	0.00
%	
FF Port Tab Pos	0.00
%	
FF Available Power	27
%	
FF Run Time	225.02
hrs	
FF Starboard Tab Pos	0.00
%	
FF TPS Percent	0.00
%	
FF Trim Position	65.55
%	

9 STB EMCT OVRHT

FF Baro Pressure	14.16
PSI	
FF Battery Volts	13.60
VDC	
FF Sea Pump Pressure	2.77
PSI	
FF Boat Speed	19.00
#	
FF Manifold Air Temp	84.20
°F	
FF Coolant Temp	147.20
°F	
FF Demand	0.00
%	
FF Engine Speed	663
RPM	
FF Engine State	Running
FF FPC Total	26.6
Counts	
FF Frequency Count	0

FF Fuel Level	0.00
%	
FF Gear Position	In Gear
FF Lake Temp	431.60
°F	
FF Engine Load	8.89
%	
FF Main Pwr Relay Requests	33812.0
FF Manifold Air Pressure	9.28
PSI	
FF Oil Level	0.00
%	
FF Port Tab Pos	0.00
%	
FF Available Power	6
%	
FF Run Time	223.62
hrs	
FF Starboard Tab Pos	0.00
%	
FF TPS Percent	0.00
%	
FF Trim Position	11.74
%	
 Fault Log Data	
Fault Descriptions	Seconds
 Battery Range High:	0
Battery Range Low:	2
Block Pressure is Low:	16
Compressor Temp Overheat:	0
ETC Motor Open:	0
ETC Motor Short:	0
Fuel Pressure Sensor Input High:	0
Fuel Pressure Sensor Input Low:	0
Guardian Strategy:	1653
Knock Sensor 1:	0
Knock Sensor 2:	0
Low Oil Pressure Strategy:	0
Low Oil Remote Strategy:	0
Low Oil Reserve Strategy:	0
MAP Sensor 1 Input High:	0
MAP Sensor 1 Input Low:	0
MAP Sensor 1 Idle Rational:	0

Oil Pump Output:	0
Overspeed:	1195
Port Clnt Overheat:	0
Starboard Clnt Overheat:	0
Warning Horn Output:	0
Water In Fuel:	0

Engine Run Time History:

Total engine run time:	225.15	Hours
0 - 749 RPM:	124.12	Hours
750 - 1499 RPM:	32.70	Hours
1500 - 2999 RPM:	20.07	Hours
3000 - 3499 RPM:	14.10	Hours
3500 - 3999 RPM:	13.27	Hours
4000 - 4499 RPM:	9.07	Hours
4500 - 4999 RPM:	9.98	Hours
5000 - 5499 RPM:	1.85	Hours
Over 5499 RPM:	0.00	Hours