

**MERCURY**

**MARINER**

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Sport Jet

**FORCE**  
Outboards

# service information

ADVISORY

BULLETIN

No. 99-13

Circulate to:  Sales Manager  Accounting  Service Manager  Technician  Parts Manager

## DDT Data Worksheet 90-858879

### Models Affected

The DDT data worksheet was developed for OptiMax products, to aid technicians in communicating run history and fault history data to Outboard Technical Service Department personnel thus better enabling them to assist technicians with the troubleshooting process. Even though it was developed for OptiMax product, this sheet can also be used for other models that are compatible with the DDT.

The top section of the sheet provides dealer information, product identification, and ECM and DDT information. The next section is for entering the data and trouble codes from the DDT. Run time, ignition errors, sensor errors, and so on, can all be filled in. The bottom of the sheet also has a space for writing in a description of the actual problem. On the backside, there are two tables for recording real-time information during on-the-water runs at varying engine loads. The data sheets are now available in pad form of 50 sheets **P/N 90-858879**, and can be ordered through Quicksilver parts.

Technical and Warranty Service will soon be requiring the data sheet to be filled out when calling for technical help, warranty approval and major component replacements. Please remember, the purpose of this form is to speed up your call with Mercury Technical Service and reduce the amount of telephone time and calls sometimes associated with engine diagnostics via the telephone.

Please , help us help you!



# OptiMax

## DDT Data Worksheet

Dealer Name:	Engine S/N:
Dealer Number:	Engine Type:
Technician Name:	ECM Part Number
Date:	DDT Software Version:

<b>Total Run Time</b>		
0000-0999		
1000-1499		
1500-2999		
3000-3999		
4000-4999		
5000-5999		
6000+		
RPM LIM CNT		
BREAL LN Min.		
OVER TMP Sec		
<b>Ignition Err</b>		
Cyl 1		
Cyl 2		
Cyl 3		
Cyl 4		
Cyl 5		
Cyl 6		
<b>Injector Err</b>		
Cyl 1		
Cyl 2		
Cyl 3		
Cyl 4		
Cyl 5		
Cyl 6		
<b>Pump Err</b>		
OIL PMP		

<b>Sensor Err</b>		
CTS		
CTP		
ACT		
MAP		
TPI1		
TPI2		
AIR		
TRIG		
BPSI		
<b>Switches Err</b>		
LOW OIL		
H <sub>2</sub> O		
<b>Misc. Err</b>		
BAT		
PWR1		
PWR2		
PRLY		
LAMP		
HORN		

<b>WOT RPM</b>	
Propeller Type	
Propeller Size	
Boat Type	
Boat Length	
Weather Condition	

Description of Problem:



# OptiMax



## DDT Data Worksheet

Dealer Name:	Technician Name:
Dealer Number:	Engine S/N:

#1 Data Monitor	NOW:	Min:	Max:	Notes
ENGINE RPM				
TPI 1 VOLTS				
TPI 2 VOLTS				
BATTERY VOLTS				
PWR 1 VOLTS				
PWR 2 VOLTS				
COOL TMP STB				
COOL TMP PRT				
MAP PSI				
AIR TMP				
TRIGGER ERR				
TIME TO OIL				
OIL INJ CNT				
AIR COMP TMP				
BLOCK PSI				

#2 Data Monitor	NOW:	Min:	Max:	Notes
ENGINE RPM				
TPI 1 VOLTS				
TPI 2 VOLTS				
BATTERY VOLTS				
PWR 1 VOLTS				
PWR 2 VOLTS				
COOL TMP STB				
COOL TMP PRT				
MAP PSI				
AIR TMP				
TRIGGER ERR				
TIME TO OIL				
OIL INJ CNT				
AIR COMP TMP				
BLOCK PSI				