



FICHT EMM/ECU Return Checklist

NOTE: The EMM/ECU Return Checklist must be filled out and included with any EMM/ECU returned for repair. Failure to provide this information could result in the unit not being repaired and not functioning correctly. All units will be charged a non-refundable analysis fee. Based on the analysis, the unit will be classified as Repairable or Non-repairable. Non-repairable units will not be processed for repair, all other units will be repaired with the analysis fee applied to the repair fee.

Date: _____

RMA Number: _____

CDI Part Number: _____

CUSTOMER Information

Dealer Name: _____

Dealer Account Number: _____

Dealer Phone Number: _____

Contact Name: _____

Contact Phone Number: _____

Contact Email: _____

EMM/ECU Information

Engine Model: _____

Year: _____

Engine Hours: _____

Engine Serial Number: _____

EMM/ECU Part Number: _____ EMM/ECU Serial Number: _____

Description of Problem (include engine codes and active faults): _____

Code	Fault

BATTERY Information

Brand: _____ Part Number: _____

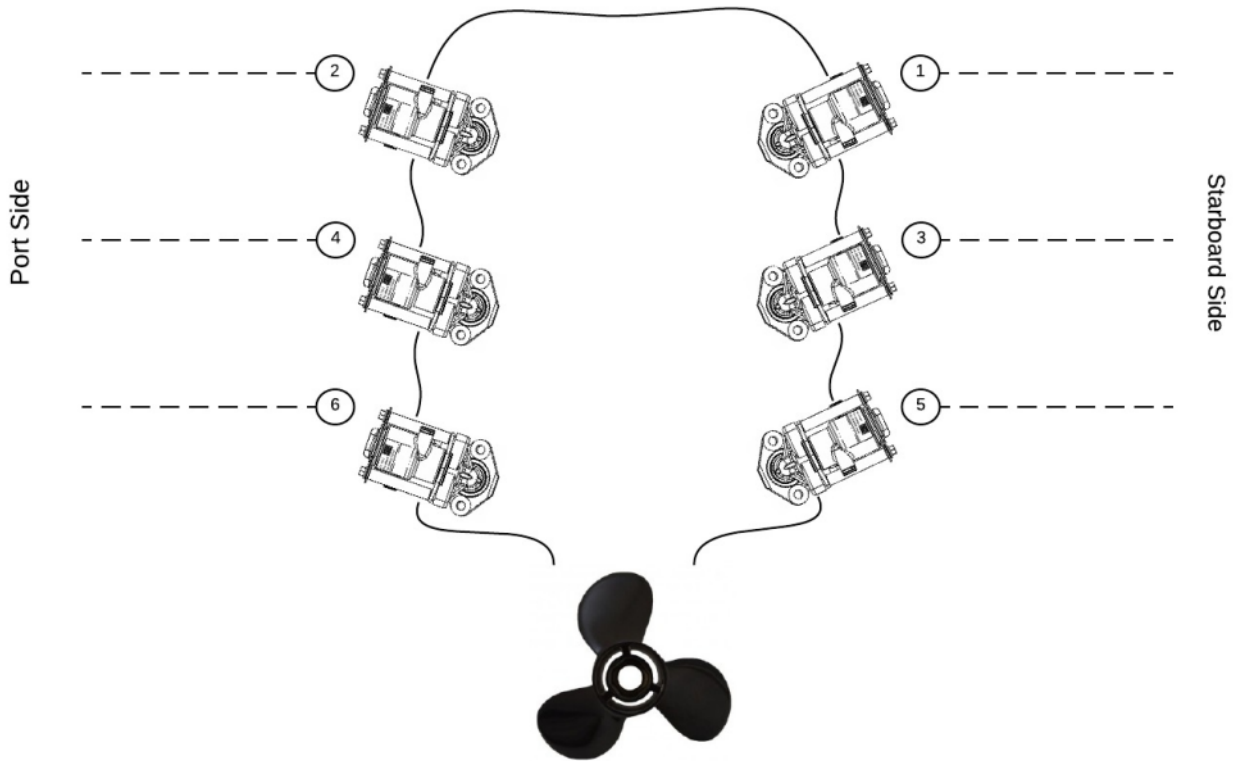
Flooded Acid AGM Other (list) _____ How old is the Battery? _____

INJECTOR Information

Cyl	Injector S/N
1	
2	
3	
4	
5	
6	



FICHT Fuel Injector
Cylinder Location



Please fill in the Fuel Injector Serial Numbers in the blank space for each cylinder.



Power Distribution Panel (PDP) DC Voltage Checks

(Please measure the PDP voltages using a digital voltmeter and appropriate probes. Probe red lead to Fuse test point located on fuse and black lead to Engine Ground. Refer to PDP Figure below for location of each fuse. Document the voltage readings on the table below.)

NOTE: Voltage readings will help determine possible EMM/ECU failure or PDP failure. The “Expected” highlighted readings are from the FICHT Service Manual.

Test		Key ON Engine not running		Cranking		Engine Running (Idle)	
		Reading	Expected	Reading	Expected	Reading	Expected
Battery Voltage	_____VDC						
F1	Oil Injector		1 Volt less than battery voltage		Approx. 20 Volts		More than 20 Volts
F2	V4 1 & 3 Injectors V6 1 & 4 Injectors		1 Volt less than battery voltage		Approx. 20 Volts		More than 20 Volts
F3	V4 Spare Fuse V6 3 & 6 Injectors		1 Volt less than battery voltage		Approx. 20 Volts		More than 20 Volts
F4	Fuel Pump		12 Volts		12 Volts		12 Volts
F5	Ignition Circuit		1 Volt less than battery voltage		Approx. 20 volts		More than 20 Volts
F6	V4 2 & 4 Injectors V6 2 & 5 Injectors		1 Volt less than battery voltage		Approx. 20 Volts		More than 20 Volts
F7	Key Switch, EMM & Accessories		12 Volts		12 Volts		13 Volts or more
	Switched B+ 12V Terminal J (Purple/White)		12 Volts		9.5 Volts or more		13 Volts or more

