			7				6	
D6i Note			Temp Sensc	<b>or P/N 22746 -</b> F(	or monitoring hydro	fluid temp. Allow	s MCU to determine if co	ooler fa
1. At KEY ON position; all indicator lam engine Gov actuator and EGR will com			should be ON	or OFF and for	CSM. SW versior		r allows the hydraulic t	
charge fail lamp will remain on after if e 2. To check FPS command signal, with	ngine not running.		be read on t	ne WST down	to 21 degrees F	Uhadaa	with them	
listen for the pitch dump valve to deactiv			Temp/Resista $122f = 810 o$			Factory Setting		
			176f = 283 of	hms		Fan Speed - 22 Fan ON - 140	.00 RPM	
			The temp ser	nder is a neg coe	efficient type.	Fan OFF- 135		
Yanmar Engine Info Engine Speeds - MCU controlled	Relay Part Numb Engine Main/Accumulator		Stroke Sense	or - contained wi	thin the stroke		nsor - Sends command	
Low Idle - 1000 RPM	Engine Starter/Preheat. 32	2094		uires calibration of the speed has be	on new set up and	signal to MCU f	to drive stroke valve/stro	ke
High Idle - 1750 RPM High Speed - 2800 RPM	Cooler Fan/Lights. 12	2017	Stroke reset.	te speed has be	en auj or zero	•	ration. Preset to 20% +	
<b>S</b> .				1	Hyd Temp	Pedal Sensor	Pitch BI	RH
Electrical Harness P/N 22318 ECU Side - Engine	Cold Start Mode No	tes Harne	ss Part Numb	Stroke Sensor	Sensor	P/N 22764	Dump Pitch Pitch Valve UP DN	Pitch UP
22792 MCU Side - Whiteman Side	The cold start temperature		e, LH, RH pitch	J1	P2	P3	P4 P5 P6	P7
	settable with the service t factory defaults for HTX -S	•	er sensors	1 3 2	1 2	A C B	1     2     1     2     1     2	1
WST Information	are:		ss 22681		¥48	— w50 — w49	-w52	
Service Tool Application File for both	Engine temp off: 160 °F			w47 w46	8			
hardware versions: 22708RevE	Hydraulic temp off: 130 °F Hydraulic temp on: 125 °F							
MCU P/N - 22706	J 1							
FW File for MCU 22706: 22707103		NEG			NEG			
Parameter File for MCU 22706		Z1	w44					
HTX - 32584101 STX - 32585101	Sensor power ground - P9 💿	w1						$-\uparrow$
	5 VDC Sensor Power + - P8	—w2Z2 w2POS	w45					<u> </u>
MCU P/N 42072	Pump Stroke Position Feedback - P25	—w3—w4—						
FW File for MCU 42072: 30441100	Foot Pedal Position/ POT Signal - P32	w5						
Parameter File for MCU 42072	LH Pitch Position Feedback - P23 응							
HTX - 32799100 STX - 32800100	RH Pitch Position Feedback - P23							-+
	Output - Pitch Dump Valve - P40							
	Output - LH Pitch Up - P43 Output - LH Pitch Down - P44	—_w9 —_w10—						
	Output - RH Pitch Up - P38							
	Output - RH Pitch Down - P39	W12						
	Itput Signal to Hydro Cooler Relay - P33	—w14——						
	Opertor Input - Light Sw ON Signal - P7	W13						
	Engie Fail Lamp <flash codes?=""> P12 유</flash>	—w17—						
	Canbus - High - P3 ∞ Canbus - Low - P4 ▼	w18 w19						
MCU	Canbus - Low - P4 Can Shield - P5	w19 w20						
1. Do Not HOT PLUG disconnect battery power when making ECU	Ш К							
connections.	CONTROLLER							
Output		w21						
	t to Lofa Module; Aux 2, Figer Ind - P46	—_w22— —_w23—						
	o Lofa Module; Aux 1 Lamp, CSM - P45 약 ofa Module; Engine Coolant Temp -P42 작	—w25—— —w26———						
		w27						
		—w28 —W137 <del></del>						
	5 							
	8	-00139						
	Output to AMBER Warning Lamp - P35 8 Output to RED STOP Lamp - P34 8	—w29—— —w30———						
	Output to Cruise SW Light - P37	—w31—						
	put signal from Cruise Sw, + Batt - P11 Eng Speed Sw, Momentary Signal - P27 &	—w32— —w33———						
	put signal to Pitch Mode Sw Light - P36	—w33——w34——						
	from Pitch Mode SW, Latching B+ - P10	—w35———						
	Operator Input from Left Pitch SW - P19 😤 🚽	—w36—— —w37———						
ч -	<u> </u>							
	P50,P49,P48,P47,P2	—w39——— —w40————						
	Fused/ Switched Power	w40 w41	]					
					<b>Z20</b>	-W92		/ 
	P1 - Machine Ground	—w43———	6			-vv93		]
			ZI					$\bigwedge$
						—W95		
			-W89		-W90 W91		66M66M	-W100
		TAD OND				:		5 7 2
		T12 GND(					1 3 2 1 3 2 D10 D10	
RED Fault Lamp Condition:			T13		T14 T15		P18 P19	P2
<ol> <li>Fault in Foot pedal Sensor</li> <li>Red Stop Lamp signal detected via</li> </ol>	CAN-Rue from onging	r	_			т	win Pitch LH Pitch SW SW	Pitch I SV
2. Red Stop Lamp signal detected via Fault Indicator Lamps are direct output	-	4	FUSE		FUSE (	Pitch Switches		
r aur muloalor Lamps are unect output			FU;		GROUND FUSE 3		Position, Center Off swite	ch
		č	5 20 A	MP	0 5 AMP	DBL Pole SW -		
AMBER WARNING Lamp Condition: 1.Amber warning detected via CAN-Bu		ssure					Pitch Mode must be in	Smart
2.Malfunction Indicator Lamp via CAN-	-Bus from engine.					Pitch position		
<ol> <li>Protect Lamp signal detected via CA</li> <li>With key on an Amber lamp will sho</li> </ol>		nsor does				Hold Twin & Lef	ft down for 10 seconds to	ס Activ
not read a valid temp in 30 seconds. 5. Fault detected in Left Pitch position						Smart Pitch L	• •	
<ol> <li>Fault detected in Eert Filter position</li> <li>Fault detected in Right Pitch position</li> <li>Fault detected in Stroke Position set</li> </ol>	n sensor.						Indicates SYNC'd Fast - indicates Sync in	proces
A FRANK GEREGIEU IN OLIOKE FUSILION SEI	HJUI.					3. Lamp On .9	sec Off .1 sec - Indicated	
						4. Lamp Off - N		
						Note: Ensure P	itch Mode Switch is in M	anual
8			7				6	



