

3412E MARINE ENGINE

Engine Serial Number - 9PW prefix (Build Date - 06/2008, Test Date - 06/2008, Ship Date - unknown)

ENGINE - ENTIRE GROUP (9PW prefix)

Qty.	NPR	Note	Part No.	ChangeLevel	Req. Qty	Part Name
						FEATURE CODES
		I	412DM28	F	001	3412E DITA MAR PROP-STARBOARD
		I	ELSMH2	F	001	ELEC START MTR LH 24V
		S	STSSS05	F	001	REMOTE START SWITCH
		I	GIPDT06	F	001	DIGITAL TACHOMETER
		I	PPFWS00	F	001	PRIMARY FUEL FILTER/WATER SEP
		I	ALT2417	F	001	CHARGING ALTERNATOR 24V 60 AMP
		I	VLTMG24	F	001	VOLTMETER GAUGE 24V
		S	ALCAIN0	F	001	ALARM CONTACTOR
		S	MPD0000	F	001	MARINE POWER DISPLAY SYSTEM
		S	EXCFF02	F	001	FLEXIBLE FITTING
		S	MUF0001	F	001	MUFFLER
		S	CGTPS03	F	001	ROTARY SENSOR CONTROL
		N	SPPKT05	F	001	SPARE PARTS KIT
		I	CSTHEXC	F	001	HEAT EXCHANGER COOLED
		I	ELECGOV	F	001	CAT ELECTRONIC GOVERNOR
		I	VLT0024	F	001	24 VOLT
		I	DPX0001	F	001	DOMESTIC PACK-EXPORT CONTAINER
		O	COMMCTY	F	001	COMMERCIAL CAT YELLOW
		I	MSCMA12	F	001	WORKBOAT
		I	MWCODEA	F	001	PRIMARY DRIVE
		I	HP00635	F	001	635 BHP (473.5 BKW) W/O FAN
		I	MSMARPR	F	001	MARINE PROPULSION
		I	3412HUI	F	001	3412 HYD UNIT INJ DIESEL EN
		I	FLAGNO	F	001	NON GERMAN FLAGGED VESSELS
		I	GERNONE	F	001	NO GERMAN FLAG IMO CERT
		I	MARCOMM	F	001	COMMERCIAL
		I	MARINEA	F	001	MARINE CONTINUOUS A RATING
		I	MARPROP	F	001	MARINE PROPULSION ENGINE

	I	NOTCERT	F	001	NON-CERTIFIED ENGINE
	I	STARBRD	F	001	STARBOARD SIDE
	I	STDRATG	F	001	STD RATING
	I	TWINENG	F	001	TWIN ENGINE INSTALLATION
		COMMFIN	F	001	COMMERCIAL FINISH
	I	IMONONE	F	001	NO IMO ENGINE CERTIFICATIONS
	I	TVANONE	F	001	NO TVA REPORT
					PART NUMBERS
	I	PA7458	07	001	3412E DITA MAR PROP-STARBOARD
	<u>NPR</u>	IY <u>183-3881</u>	03	001	ENGINE AR
	<u>NPR</u>	IY <u>1W-3396</u>	04	001	AIR CLEANER GP
	<u>NPR</u>	SY <u>1W-6251</u>	02	001	ELBOW GP-EXHAUST
	<u>NPR</u>	IY <u>2N-7003</u>	03	001	FILTER-SOOT
	<u>NPR</u>	SY <u>2W-7852</u>	00	001	FLANGE GP-EXHAUST
	<u>NPR</u>	SY <u>3N-6668</u>	05	001	LINES GP-FLEXIBLE FUEL
	<u>NPR</u>	NY <u>4P-0445</u>	00	001	LINES GP-SUMP
	<u>NPR</u>	IY <u>5N-3221</u>	07	001	ADAPTER GP-AIR CLEANER
		S 5P-2506	00	001	LITERATURE GP
	<u>NPR</u>	SY <u>102-9220</u>	03	001	RECOVERY GP-COOLANT
		IY <u>156-6898</u>	06	001	WIRING GP-SENSOR
		IY <u>156-6903</u>	03	001	PUMP GP-AUXILIARY SEA WATER
		IY <u>156-6910</u>	01	001	LINES GP-WATER
	<u>NPR</u>	IY <u>168-2504</u>	02	001	PANEL GP-INSTRUMENT
	<u>NPR</u>	IY <u>171-1204</u>	02	001	WIRING GP-ENGINE
	<u>NPR</u>	IY <u>191-2337</u>	00	001	PUMP GP-ENGINE OIL
	<u>NPR</u>	IY <u>197-8875</u>	00	001	FASTENER GP-FUEL JUNCTION BLK
	<u>NPR</u>	I 234-6127	00	001	PRESERVATION GP
	<u>NPR</u>	IY <u>304-6650</u>	01	001	CONTROL GP-AUTO START/STOP
	<u>NPR</u>	IY <u>4N-1062</u>	11	001	STARTING MOTOR GP-ELECTRIC
	<u>NPR</u>	SY <u>3N-8782</u>	04	001	SWITCH GP-REMOTE STARTING
	<u>NPR</u>	IY <u>171-5405</u>	00	001	TACHOMETER GP-ELECTRIC
	<u>NPR</u>	IY <u>178-0464</u>	01	001	FILTER GP-WATER SEP & FUEL
		I PA7443	00	001	CHARGING ALTERNATOR 24V 60 AMP
	<u>NPR</u>	IY <u>4N-3986</u>	16	001	ALTERNATOR GP-CHARGING
	<u>NPR</u>	IY <u>7W-4072</u>	02	001	MOUNTING GP-ALTERNATOR
	<u>NPR</u>	IY <u>141-6175</u>	03	001	CIRCUIT BREAKER GP

	<u>NPR</u>	IY	<u>155-8739</u>	00	001	MOUNTING GP-CIRCUIT BREAKER
	<u>NPR</u>	IY	<u>155-5231</u>	02	001	VOLTMETER GP
		I	PA5642	05	001	ALARM CONTACTOR
	<u>NPR</u>	SY	<u>100-3055</u>	04	002	SENSOR GP-TEMPERATURE
	<u>NPR</u>	SY	<u>118-9476</u>	03	002	ADAPTER GP-SENSOR
	<u>NPR</u>	SY	<u>161-9932</u>	05	002	SENSOR GP-PRESSURE
		S	PA7562	04	001	MARINE POWER DISPLAY SYSTEM
	<u>NPR</u>	SY	<u>165-0199</u>	01	001	WIRING GP-INSTRUMENT PANEL
	<u>NPR</u>	SY	<u>267-8623</u>	02	001	DISPLAY GP-MONITOR
	<u>NPR</u>	SY	<u>2W-7848</u>	01	001	FITTING GP-EXHAUST
		I	PL5315	20	001	MUFFLER
	<u>NPR</u>	SY	<u>2W-4073</u>	03	001	MUFFLER
	<u>NPR</u>	SY	<u>2W-7863</u>	00	002	FLANGE GP-EXHAUST
	<u>NPR</u>	SY	<u>9X-9647</u>	01	001	SENSOR GP-POSITION
	<u>NPR</u>	NY	<u>180-9587</u>	16	001	KIT-ENGINE PARTS
		I	0P-7824		001	DOMESTIC PACK-EXPORT CONTAINER
		O	PQ0353	01	001	COMMERCIAL FINISH - CAT YELLOW
		I	PP4900	01	001	635 BHP WOF 1800 RPM MAR "A"
		I	0K-2876	00	001	473.5 KW (635 BHP) @ 1800 RPM
		I	0V-1045		001	END USE: MAR PROPULSION
		S				SHIPPED LOOSE
		S		001		3406 -E324 - OEM ENG
		S	ESO	001		(PRNT ESO COPY)
		S	PXX	001		*REQUIRED DECALS
	<u>NPR</u>	S	0S-1594	004		BOLT
	<u>NPR</u>	S	1B-5357	008		NUT-FULL
	<u>NPR</u>	S	1P-4278	002		CLAMP-HOSE
	<u>NPR</u>	SY	<u>1W-6251</u>	001		ELBOW GP-EXHAUST
	<u>NPR</u>	S	1W-6252	001		ELBOW-EXHAUST
	<u>NPR</u>	S	2L-3331	002		CONNECTOR-PIPE
	<u>NPR</u>	SY	<u>2W-4073</u>	001		MUFFLER
	<u>NPR</u>	SY	<u>2W-7848</u>	001		FITTING GP-EXHAUST
	<u>NPR</u>	SY	<u>2W-7852</u>	001		FLANGE GP-EXHAUST
	<u>NPR</u>	S	2W-7853	001		FLANGE-EXHAUST
	<u>NPR</u>	SY	<u>2W-7863</u>	001		FLANGE GP-EXHAUST
	<u>NPR</u>	S	2W-7864	002		FLANGE-EXHAUST

	NPR	S	2W-7865	002	GASKET-EXHAUST
		S	2W-9999	001	BOOT
	NPR	S	3B-7259	001	ELBOW
	NPR	S	3J-5389	002	PLUG
	NPR	S	3N-6667	002	HOSE AS
	NPR	SY	<u>3N-6668</u>	001	LINES GP-FLEXIBLE FUEL
	NPR	S	3N-7294	001	HOSE AS
	NPR	SY	<u>3N-8782</u>	001	SWITCH GP-REMOTE STARTING
	NPR	SY	<u>4P-0445</u>	001	LINES GP-SUMP
	NPR	S	5B-4855	001	BUSHING-REDUCER
	NPR	S	5L-3773	001	GASKET-EXHAUST ELBOW
	NPR	S	5L-4398	016	BOLT
	NPR	S	5P-5855	008	BOLT-12 POINT HEAD
	NPR	S	5P-8245	008	WASHER-HARD
		SY	<u>6L-4502</u>	001	CHART-PLATE & FILM
	NPR	S	6N-0561	004	CLIP
	NPR	S	6V-5048	002	SEAL-O-RING
	NPR	S	6V-5049	002	SEAL-O-RING
	NPR	S	8C-3681	200	HOSE
	NPR	S	8J-4785	001	PLATE-INSTRUCTION
		S	8L-5950	001	DIAGRAM-WIRING
	NPR	S	8M-9124	004	WASHER
	NPR	S	8T-8730	002	SOCKET-CONNECTOR
	NPR	SY	<u>9W-1077</u>	001	SWITCH GP-START
	NPR	S	9X-0263	002	ADAPTER
	NPR	S	9X-3271	002	ADAPTER
	NPR	SY	<u>9X-9647</u>	001	SENSOR GP-POSITION
	NPR	S	003-2143	001	ELBOW
	NPR	SY	<u>100-3055</u>	001	SENSOR GP-TEMPERATURE
	NPR	SY	<u>102-9220</u>	001	RECOVERY GP-COOLANT
	NPR	S	102-9223	001	TANK GP-COOLANT
	NPR	SY	<u>118-9476</u>	001	ADAPTER GP-SENSOR
	NPR	S	125-7876	010	TUBE-HEAT SHRINK
	NPR	S	133-0969	001	CONNECTOR-SOCKET
	NPR	S	133-0970	001	RECEPTACLE AS-CONNECTOR
	NPR	S	133-0974	001	WEDGE-PLUG LOCK

	<u>NPR</u>	S	133-4076	001	PLUG AS
	<u>NPR</u>	S	134-2540	001	RESISTOR AS-CONNECTION
	<u>NPR</u>	SY	<u>161-9932</u>	001	SENSOR GP-PRESSURE
	<u>NPR</u>	SY	<u>165-0199</u>	001	WIRING GP-INSTRUMENT PANEL
	<u>NPR</u>	S	165-0200	001	CABLE AS
	<u>NPR</u>	S	165-0201	001	CABLE AS
	<u>NPR</u>	SY	<u>180-9587</u>	001	KIT-ENGINE PARTS
	<u>NPR</u>	S	214-6045	001	BELLOWS AS
	<u>NPR</u>	S	255-6863	001	GASKET
	<u>NPR</u>	SY	<u>267-8623</u>	001	DISPLAY GP-MONITOR
		S	LEBM0189	001	OPERN
		S	LEXM2783	001	IMO TECH FILE
		S	REHS0753	001	WARR REGISTRATION 140010D2(A)
		S	SEBU6251	001	LUBE
		S	SEBU6984	001	SUPP
		S	SEBU7178	001	OMM (A)
		S	SEBU7920	001	EMISSIONS
		S	SELF5393	001	WARRANTY
		S	SENR5002	001	DISPLAY INSTAL
		S	SERP2866	001	PARTS BOOK C.D. (A)

Key:

I Installed

S Shipped Loose

N Not Installed

O Outplant, Installed - BOM value only

Y Separate Illustration