

- 5 998765691 DISPLAY UNIT
- 6 144238871 GENERATEUR,ULTRAVIO

TUZLA SINIFI KARAKOL GEMİLERİ



- 10 00US77918 TOOLS SPECIAL,MAIN FUEL PUMP

S9234-AB-MMD-050/LM2500

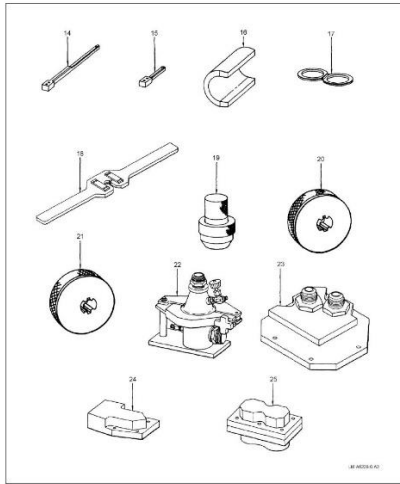


Figure 26-2. Special Tools

26-4

S9234-AB-MMD-050/LM2500

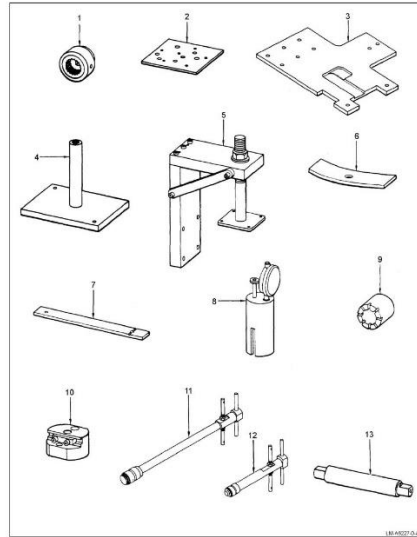


Figure 26-1. Special Tools

26-3

CHAPTER 26

FUEL PUMP OVERHAUL AND REPAIR

26.1 INTRODUCTION.

26.2 SCOPE.

This chapter contains overhaul instructions for GTC No. 12 and 45 compliant Fuel Pump, VINs 9255-03A6 (GE P/N 9039M45P03), 9255-04A6 (GE P/N 9039M45P04) and 9255-06A6 (GE P/N 9039M45P09), manufactured by Goodrich Corporation, W Hartford, CT 06133-0651. All Fuel Pumps prior to VINs 9255-03A6 (GE P/N 9039M45P03) are to be modified to comply with GTC No. 12 and 45.

26.3 PURPOSE.

The overhaul process involves the disassembly, cleaning, inspection, repair, assembly, and final testing of fuel pump units with known operating abnormalities. Where the serviceability of units returned to depot is unknown, it is recommended that the unit undergo a performance test, per para. 26.14 to determine the necessity for overhaul of the unit. GTC No. 12 and 45 compliant Fuel Pumps, VINs 9255-03A6 (GE P/N 9039M45P03), 9255-04A6 (GE P/N 9039M45P04) or 9255-06A6 (GE P/N 9039M45P09) which pass the performance test may be returned to stock for immediate use.

26.4 LEADING PARTICULARS.

Refer to Table 26-1, for a listing of fuel pump leading particulars.

Table 26-1. Fuel Pump Leading Particulars

Rotation	Counterclockwise when viewed from drive end
Shaft shear section failure	2,000-2,500 in-lb torque
Pump discharge pressure	295-1,300 psig normal, 295-1,400 psig extreme
Power extractions	81 hp max. at 160% speed and 1300 psig discharge pressure
Rated speed (100%)	6,088 rpm
Boost pressure rise	120 psi max. at 100% speed

Table 26-1. Fuel Pump Leading Particulars - Continued

Fuel operating temperature	295° F
Boost flow range	3.9-6.5 gpm at 10% speed, 6.0-62.5 gpm at 100% speed
Fuel control drive pad	On rear face of fuel pump
High pressure element flow (100% speed)	78 gpm max. with inlet pressure of 64 psig, 140° F fuel temp.
395 psia discharge pressure	
315 psia discharge pressure	67.0 gpm min with in-6 let pressure of 12-14 psia, 140° F temp.

26.5 OVERHAUL INSTRUCTIONS.

26.6 SPECIAL TOOLS.

Refer to Table 26-2, for a listing of tools contained in **Tool Set P/N 1C6814C01**. (See Figure 26-1)

26.7 DISASSEMBLY.

(See Figure 26-3)

- Mount the pump on pump assembly holding adapter (P/N STD 67153) attached to a Wilton PowRarm **Wilton Tool Mfg. Co.**, 9525 Irving Park Road, Shiller Park, IL 60176, or equivalent.



Protect reusable parts against damage or contamination during disassembly. Be careful in handling parts so as not to fingermark lapped or polished metal surfaces. Body acids will cause progressive corrosion.

- Remove shipping protectors. Remove two plugs (1) and O-rings (2). Discard O-rings.

11 00US77920 TOOLS SPECIAL,MAIN FUEL CONTRO

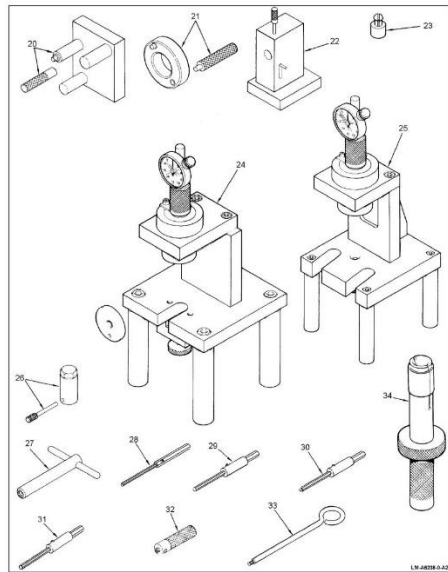


Figure 24-2. Special Tools P/N 1C6813

Table 24-2. Main Fuel Control Specifications Data

Power lever range (angular)	-6 to 0 degrees mechanical stop adjustment
	0-13 degrees min speed full
	13-130 degrees min to max speed modulation
	130-133 degrees mechanical stop adjustment
	113.5 degrees rig position
100% speed rating	5,998 rpm
Operating fluid	MIL-F-24397 (Navy distillate)
	MIL-F-16884 (Marine diesel)
	MIL-T-5624 (turbine fuel, aviation grade JP-4 and JP-5)
Lubrication	Operating fluid provides required lubrication
Rotation	Counterclockwise (CCW) when viewed from drive end
Bypass pressure (P _b)	25-135 psia
Inlet pressure	1,185 psi above P _b (normal max.), 1,345 psi above P _b (extreme max.)
Discharge pressure	185-1,175 psia
Case pressure (P _c) and pressurizing valve reference	100-120 psia
Servo pressure (P _s) and CIT system supply	200-240 psi above P _b
Ambient air pressure	12-18 psia
Compressor discharge air pressure	14-300 psia
Bypass flow	32,500 pph max.
Inlet flow	32,500 pph max.
Discharge flow	350-15,925 pph
Internal (valves) leakage and servo flows:	
Start (max. including P _s min.)	550 pph
Operating (max.)	1,500 pph
Overboard leakage flow	1 cc/min. to max.
CIT sensor supply flow	120 pph max.

Table 24-3. Special Tools Tool Set P/N 1C6815

Part No.	Nomenclature	Figure & Index No.
WT-27553	Assembly Tool	Figure 24-1, -1
WT-40638	Insertor	Figure 24-1, -2
WT-40639	Insertor	Figure 24-1, -3
WT-41290	Punch	Figure 24-1, -4
WT-41486	Puller	Figure 24-1, -5

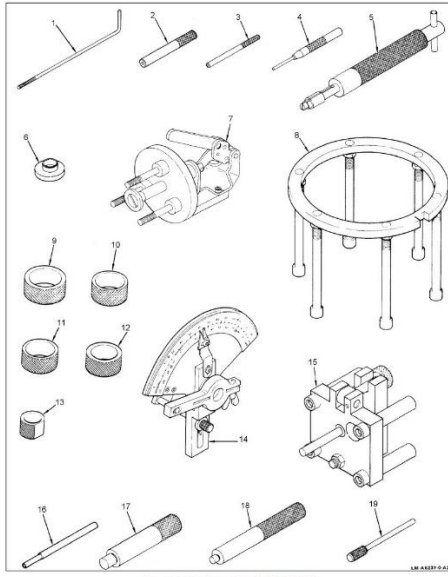
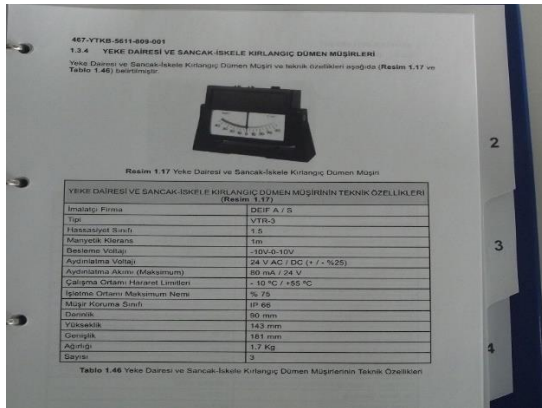


Figure 24-1. Special Tools P/N 1C6815

24-9

13 226075791 INDICATOR,ANGLE

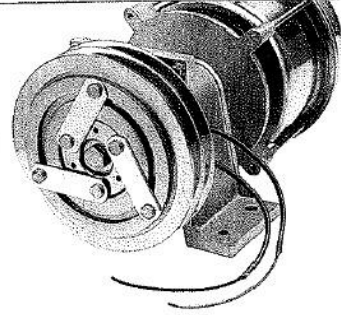


22 144798869 PUMP UNIT,CENTRIFUG

TIP TELLARINI POMPE

Elektromanyetik kavramalı su pompaları

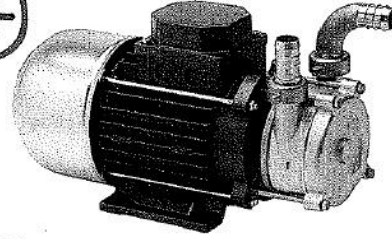
Motor V kayış tahrikli ve bronz gövdelidir. Basit bir kumanda ile çalıştırılır ve durdurulur. Pompa kısmı paslanmaz olup, acil durum, yangın ve sintine pompası gibi pek çok amaç için uygundur.



Kod	Seri	1400 devirde 5 metre yüksekliğe kapasite	Uygun Hortum Ø	Volt	Kasnak Ø
1707031	ALFE 25	28 litre/dakika	25 mm	12V	1A / 72
1707032	ALFE 25	28 litre/dakika	25 mm	24V	1A / 72
1707033	ALFE 40	112 litre/dakika	38 mm	12V	2A / 72
1707034	ALFE 40	112 litre/dakika	38 mm	24V	2A / 72
1707035	ALFE 50	176 litre/dakika	50 mm	12V	2A / 72
1707036	ALFE 50	176 litre/dakika	50 mm	24V	2A / 72

Ağır hizmet tipi su pompası

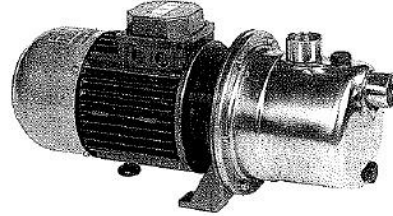
Gövdesi bronz, şaftı AISI 316 paslanmaz çeliktir. 6 m derinlikten 12-15 m yükseğe basabilir.



Kod	Seri	Kapasite (1 m)	Uygun Hortum Ø	Kasnak Ø
1707041	ECC 12/20	23 litre/dakika	19 mm	12V
1707042	ECC 24/20	26 litre/dakika	19 mm	24V
1707043	ECC 12/25	62 litre/dakika	25 mm	12V
1707044	ECC 24/25	67 litre/dakika	25 mm	24V
1707045	ECC 24/40	166 litre/dakika	38 mm	24V

Yüksek basınçlı ağır hizmet tipi su pompası

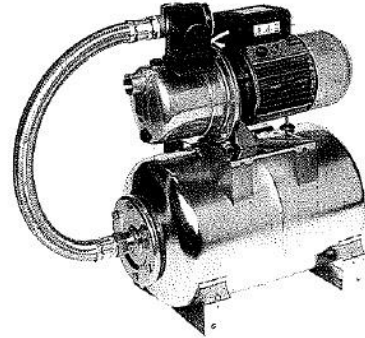
AISI 304 paslanmaz çelik gövde, AISI 304 paslanmaz çelik şaft. 8 m derinlikten 32-36 m yükseğe basabilir.



Kod	Seri	Kapasite (1 m)	Uygun Hortum Ø	Kasnak Ø
1707051	ECC 12 Jet	61 litre/dakika	25 mm	12V
1707052	ECC 24 Jet	61 litre/dakika	25 mm	24V

Hidrofor

AISI 304 paslanmaz çelik gövde ve şaft. ECC jet serisi pompa ve 20 L'lik AISI 304 paslanmaz çelik tank ile birlikte.



Kod	Seri	Kapasite (1 m)	Uygun Hortum Ø	Kasnak Ø
1707062	GAX 12 Jet	61 litre/dakika	25 mm	12V
1707064	GAX 24 Jet	61 litre/dakika	25 mm	24V



35 99K026145 TRANSPONDER USBL

495-KURYED-4692-003-809

1.1.24 Akustik Pozisyonlama Transponderi



Şekil 1.26 Akustik Pozisyonlama Transponderi

Akustik Pozisyonlama Transponderi Özellikleri	
Firma	APPLIED ACOUSTICS ENGINEERING LTD
Adres	MARINE HOUSE, MARINE PARK, CAPTON HALL ROAD, GREAT YARMOUTH, NORFOLK, ENGLAND
Parça No	MINI BEACON 1022
Marka / Model / Tip	Mini Beacon 1022
Çalışma Derinliği	4000 m
Boyutlar (Uzunluk x Çap)	418 x 95 mm
Ağırlık	5.03 kg (havada) / 2.75 kg (suda)
Frekans	Rx: 17 kHz ile 31 kHz, Tx: 24 kHz ile 33.5 kHz
Beam Pateni	± 20°
SPL (Sound Pressure Level- Ses Basıncı Seviyesi)	202 dB
Çalışma Ömrü	60 gün
Çalışma Süresi	100 saat

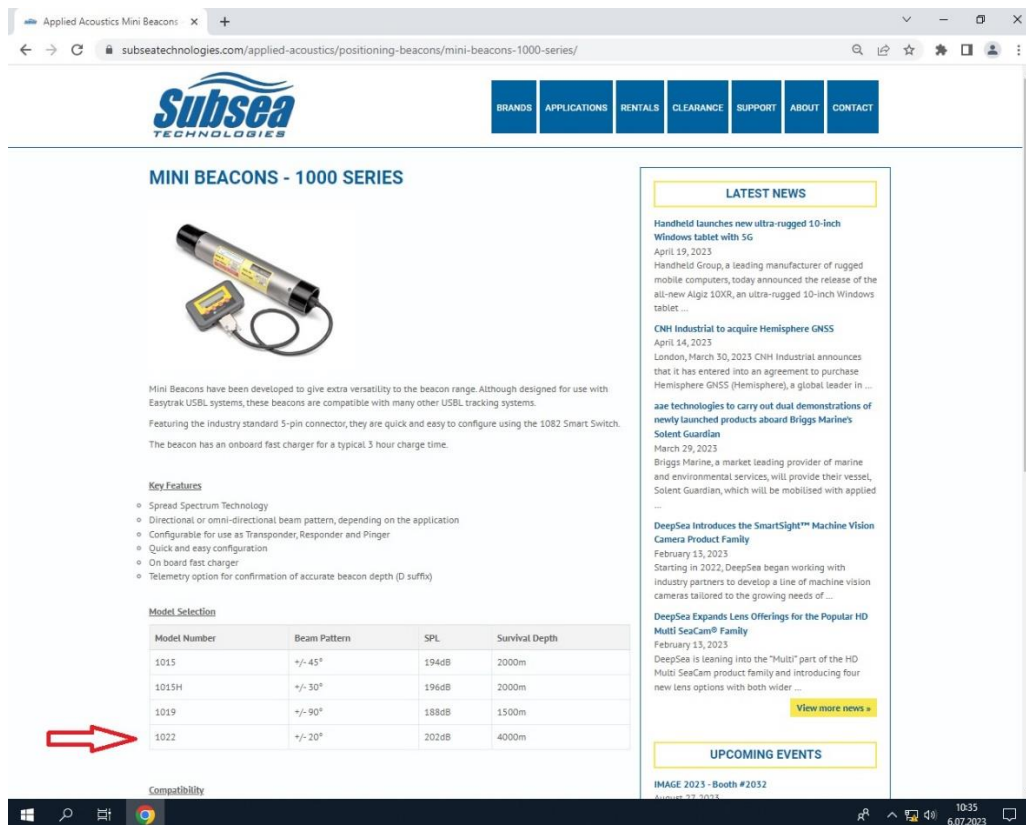
Tablo 1.28 Akustik Pozisyonlama Transponderi Özellikleri

Uzaktan Kumandalı Sualtı Aracı (ROV) (3000M)

Uzaktan Kumandalı Sualtı Aracı (ROV) (3000M)

Araç, Sualtı-2

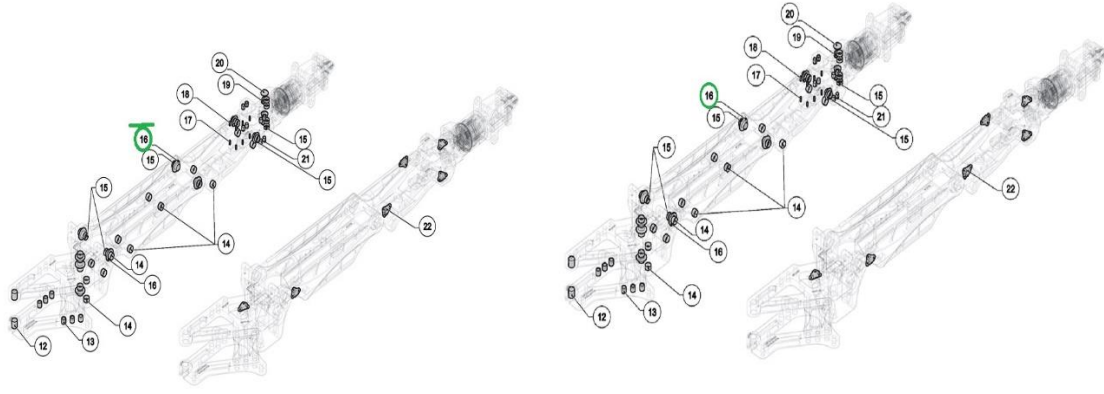
RESİM İÇİ NO	N.S.N	REFERANS NUMARASI	FİRMA	AÇIKLAYICI BİLGİLER	MİK
04		ARS-030-000077	N5731	Kap, Basınçlı, Elektronik	1 AD
06		ARS-030-000078	N5731	Kap, Basınçlı, Motor Kontrol	1 AD
10		TD303	N4279	Sensör, Derinlik	1 AD
11		ARS-090-000004	N5731	Lamba, LED	6 AD
12		ARS-090-000005	N5731	Kap, Basınçlı, Lamba, LED	3 AD
16		ARS-030-300010	N5731	Kamera, HD	1 AD
17		EXPLORER LITE	KC573	Kamera, Alçak Işık	1 AD
18		SUPER WIDE-T SEACAM	N48K6	Kamera, Renkli	1 AD
20		SILVERTIP SHARK	N4881	Kamera, Renkli, LED Aydınlatmalı	2 AD
21		ARS-030-400002	N5731	Pan Tilt	2 AD
22		HANDERHEAD SHARK	N4881	Kamera, Renkli Zoom, Geniş Açılı	1 AD
24	5845994748158	506332A	T9015	Sonar	1 AD
25		PA200	T9015	Altmetre	1 AD
26		SFG	KC573	Flaşör, Beyaz	1 AD
27		MINI BEACON 1022	KC000	Transponder	1 AD
28		PLS-361FL/B37	N1257	Pinger	1 AD
29		D401	V10F4	Hidrofon, Alıcı, Pinger	1 AD
30		D402RS	V10F4	Çevirici, RS232, Alıcı, Pinger	1 AD
31		4692001CC.006	TU778	Hidrolik Sistem, Kol, Robot	1 AD
32		ARS-030-000080	N5731	Kutu, Soft Starter	1 AD
Uzaktan Kumandalı Sualtı Aracı (ROV) (3000M)		Uzaktan Kumandalı Sualtı Aracı (ROV) (3000M)			



36 226220777 TRANSMITTER,PRESSUR



BODIEM İÇİ NO		M. S. N.		HESAPLAMA NO		ACIKLATICI NOTLARI		BİRİM	



47 123788402 RELAY,ELECTROMAGNET

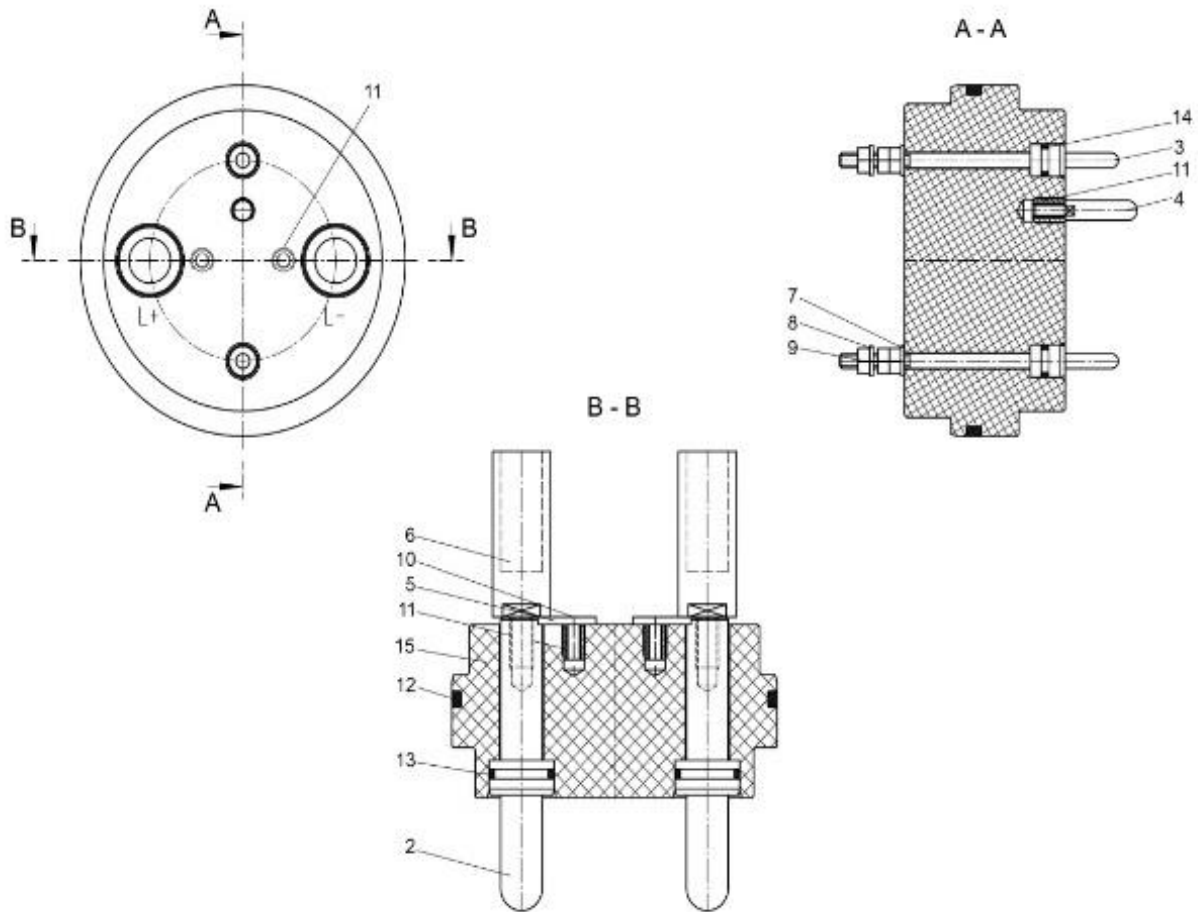
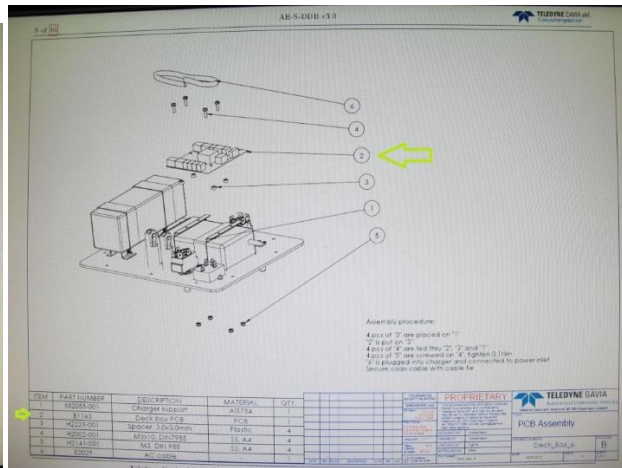
INC BİLGİLERİ							Açıklama
#	INC KODU	Türkçe	İngilizce	Almanca	Fransızca	Hollandaca	
1.	32512	ROLE, ELEKTROMANYETİK	RELAY,ELECTROMAGNETIC	RELAY,ELECTROMAGNET	RELAY (1), ELECTROM	--	Kendi güçlendirme bobin(ler)indeki akımla meydana gelen manyetik alanın etkisi ile isleyen röle selonoid ve armatür tipleri içerir. KONTAKTÖR, MANYETİK; RÖLE, ÖLÇÜ ALETİ HAREKETİ; RÖLE, MOTOR TAHRİKLİ; RÖLE, DİL; RÖLE, REZONANT LEVHA; RÖEL, DÖNER; ve ANA

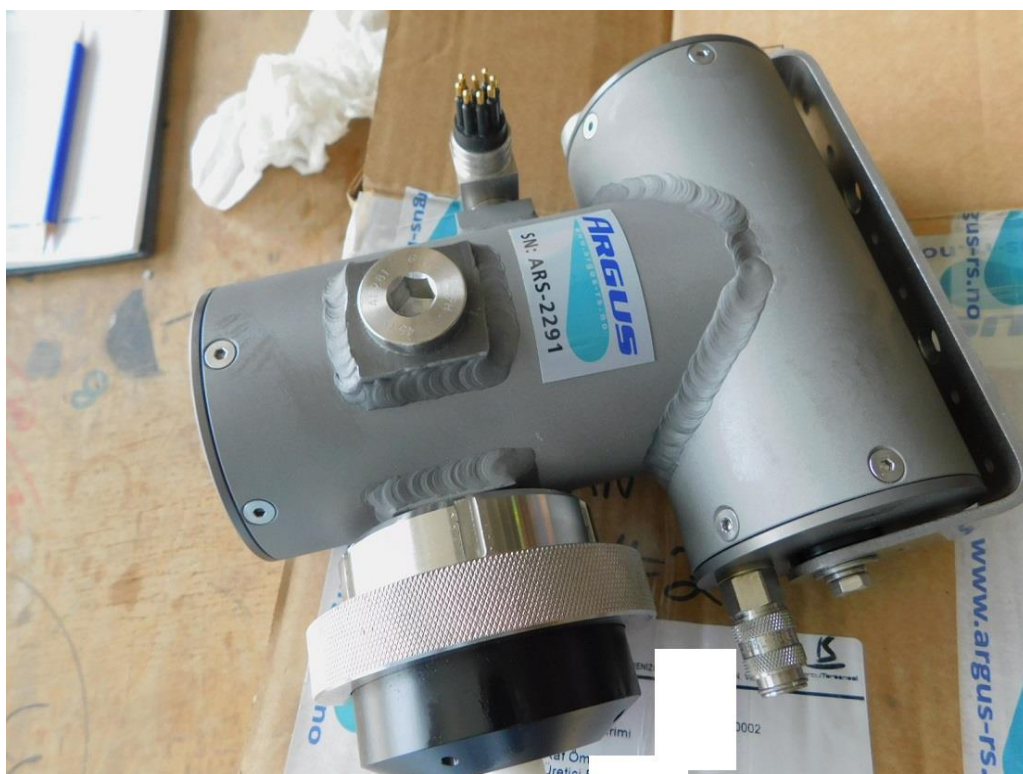
52 123878961 CONTROL-INDICATOR

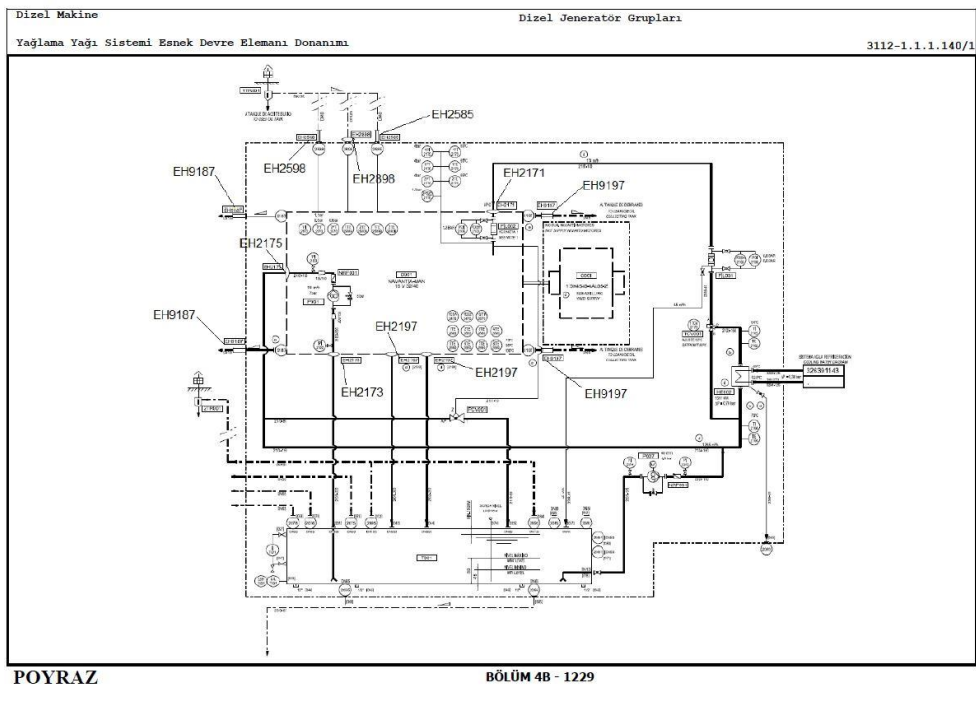
INC BİLGİLERİ							Açıklama
#	INC KODU	Türkçe	İngilizce	Almanca	Fransızca	Hollandaca	
1.	00908	KONTROL-BELİRTEÇ	--	STEUERGERAET-ANZEIG	CONTROL-INDICATOR	--	Diğer parçalar ya da takımlardan görsel bilgi sunma ve diğer parça ve takımların işlem modunu düzenleme fonksiyonunu yapan parça. KONTROL-İNDİKATÖR, son kullanımı belirtmek veya parçaların ya da takımların işlemini göstermek için önemlidir. Ayrıca KONTRO

[15 of 16]		AHS-1-0103 v3.0				
Electrical Bill of Material for Benthos Modern/USBL Deck Box v3.0						
Item	Quantity	Description	Part	Manufacturer	Ordering Number	Itemnote
1	1	USBL	Benthos Modern	Seac	a part of USBL2010-0	
2	1	RTT	Lineout Pad 2019 360x60	Interbay systems corp	1418517810000 RTR	173862-000
3	1	SHL	Line-out cable	Marex/CELC, CUN		131086-000
4	2	FH1 FH2	Flexhider Softbottom	Littoralist Inc	0940253000	02845-000
5	1	PT, PT2	2A 200V Power Softbottom	Mid Power Inc	SECT 2.8	12703-000
6	1	PS	1A 200V Power Softbottom	Mid Power Inc	SECT 1-4	02845-000
7	1	CAYALA, PCBM	Genlec Deck Box PCBW v2	Relativity Goals		131143-000
8	6	JIC, ZW, J2W, J2V	Micron Males, Spots	Edgely	WM1785-XSD	
9	2	J2A, H4S				
9	1	J2B	Males Male, P2, Spot	Males	8010-2020	
10	2	J2W, J2V	Algonc separating female	Salticon	MCHRI45S (assembled aluminum 50 61)	E1210-000
11	5	J6S, J6A, J6W, J10A, J11W	Micron Males, Spots	Micron	WM1785-XSD	
12	2	J2B				
13	1	J2C	SHL, Pinned by female	Amphenol Industrial	MS3100T-14S-28	173063-000
14	1	J2D	SHL, Pinned by female	Amphenol Industrial	MS3100T-14S-28	12360-000
15	1	J2E	SHL, Pinned by female	Amphenol Industrial	MS3100T-14S-28P	12360-000
16	1	J2F	SHL, Pinned by female	Amphenol Industrial	MS3100T-14S-28P	173704-000
17	1	J2G	SHL, Pinned by female	Amphenol Industrial	MS3100T-14S-28P	02845-000
18	1	J2H, J2I	SHL, Pinned by female	Amphenol Industrial	MS3100T-14S-28P	02845-000
19	1	J2J	PLT/C, AT, male female	BULGIN	FF1001-03	123016-000
20	12	J21, J23, J24, J25, J26, J27, J28, J29, J30, J31, J32, J33, J34, J35, J36, J37B, J38, J39, J40, J41	CQ 1/4"	TE Connectivity	2-520185-2	
21	3	J20B, J25C, J42	Ring terminal	TE Connectivity	127070-1	123006-000
22	1	J21, J22	Spigotless nut	NKK Switches	AT-151	173006-000
23	1	W, W2, W6	Amphenol Industrial	Amphenol Industrial		173006-000
24	1	LPH	Lead plug dust	Blazelec Inc	PLP-2-220	123016-000
25	1	PT2		Blazelec Inc	PLP-2-220	123016-000
26	1	J43	Panel mountable keypad w/ speaker	Benthos Power/Signalics	1135B-002-L4	023434-000


 Benthos Goals of Use: PCBW v2, 2019 Kelpwood, Ireland, Ltd. © 2013-2019, Part 30131-000, 14000000-000







RESİM İÇİ NO	N.S.N	REFERANS NUMARASI	FİRMA	AÇIKLAYICI BİLGİLER	MİK
EH2171		7023093-150X130	409BB	Kompansatör, Kauçuk	AD
EH2173		7023093-200X130	409BB	Kompansatör, Kauçuk	AD
EH2175		7023093-125X150	409BB	Kompansatör, Kauçuk	AD
EH2197		7023093-250X275	409BB	Kompansatör, Kauçuk	AD
EH2585		M3600671	409BB	Hortum, Esnek	AD
EH2598		M3600671	409BB	Hortum, Esnek	AD
EH2898		7023093-125X150	409BB	Kompansatör, Kauçuk	AD
EH9187		M3600325	409BB	Hortum, Esnek	AD
EH9197		M3600325	409BB	Hortum, Esnek	AD

Dizel Makine Dizel Jeneratör Grupları

Yağlama Yağı Sistemi Esnek Devre Elemanı Donanımı

POYRAZ BÖLÜM 4B - 1230

MRC BİLGİLERİ			
#	MRC	Soru	Cevap
1.	AAPB	VOLT CİNSİNDEN ELEKTRİK VOLTAJİ DİRENCİ	600.0
2.	AAQL	GÖVDE STİLİ	BLOCK TYPE
3.	ABCX	CONSTRUCTION,BOARD	SOLID CONSTRUCTION
4.	ABGN	LENGTH,OVERALL,BOARD	67.5 MILLIMETERS
5.	ABGP	WIDTH,OVERALL,BOARD	38.2 MILLIMETERS
6.	ABGT	THICKNESS,BOARD	8.2 MILLIMETERS
7.	AGAV	NİHAİ MALZEME TANIMLAMASI	PANEL AS (LPD - ECP LAYOUT)
8.	AMPS	AMPER CİNSİNDEN AKIM DEĞERİ	50.0
9.	AXHR	MONTAJ TERTİBATI TIPI VE SAYISI.	1 CHANNEL
10.	CWLG	ARRANGEMENT,PATTERN,TERMINAL	SINGLE ROW
11.	CXCY	KONTROL DAİRESİ TARAFINDAN VERİLEN PARÇA İSMİ	TERMINAL-SINGLE (SPRING CAGE); SINGLE LEVEL SPRING CAGE FEED THROUGH TERMINAL BLOCK
12.	FEAT	ÖZEL HUSUSLAR	RANGE: 20-8 AWG; WIRE STRIP LENGTH: 12MM
13.	MATT	MALZEME	PLASTIC BOARD
14.	PRPY	ÖZEL KARAKTERİSTİKLER	PACS