



# **ETR85D**

# **TAMPING RAMMER**

# **PARTS MANUAL**

## **The ESI Team at your service**

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**ETR85D-01 FUEL TANK & HANDLE ASSY**

<b>NO.</b>	<b>PART NO.</b>	<b>PART DESCRIPTION</b>	<b>QTY</b>
01-1	70B-010112P	FUEL TANK CAP	1
01-2	70B-010113P	STRAP	1
01-3	70B-010110	STRAINER	1
01-4	FN.B-M10x30-8.8-DIN-1	BOLT	2
01-5	WOD.W10-GB-1	WASHER	2
01-6	85d-010109	FUEL TANK	1
01-7	FN.W10-DIN-1	WASHER	2
01-8	IN.N-M10-DIN-1	LOCK NUT	2
01-9	85d-010114	DIESEL OIL STRAINER ,BOTTOM	1
01-10	85d-010113	FUEL TANK CAP ,BOTTOM	1
01-11	W04-10x1	O RING	1
01-12	85d-070303	NUT	1
01-13	FN.B-M6x30-8.8-DIN-1	BOLT	2
01-14	85d-070300	CONNECTOR,FUEL TANK	1
01-15	W04-14x1.5	O RING	1
01-16	85d-KM168F-10400	FUEL VALVE	1
01-17	FN.W6-DIN-1	WASHER	2
01-18	HSPG.W6-DIN-1	SPRING WASHER,TANG ENDS	2
01-19	FN.N-M6-DIN-1	NUT	2
01-20	85d-000030	HOSE BAND	2
01-21	85d-000029	FUEL RETURN HOSE	1
01-22	85d-000027	FUEL HOSE	2
01-23	85d-000026	HOSE BAND	4
01-24	85d-000028	JOINT	1
01-25	85DZ-010200	CLIP	1
01-26	85DZ-010100E	OPERATION HANDLE	1
01-27	FN.B-M10x20-8.8-DIN-1	BOLT	4
01-28	HSPG.W10-DIN-1	SPRING WASHER,TANG ENDS	4
01-29	65ND-010100	ROLLER	4
01-30	HF.B-M5x30-8.8-DIN-3	HEXAGON FLANGE BOLT	4
01-31	HF.N-M5-DIN-3	HEXAGON FLANGE NUT	4
01-32	70ND-000028	HANDLE FOAM	1
01-33	70ND-000029E	HANDLE FABRIC	1
01-34	FN.B-M6x20-8.8-DIN-2	BOLT	2
01-35	HSPG.W6-DIN-2	SPRING WASHER,TANG ENDS	2
01-36	HC.N-M6-DIN-2	CAP NUT	2
01-37	HC.N-M10-DIN-2	CAP NUT	1
01-38	FNL.N-M10-DIN-2	HEXAGON THIN NUT	1
01-39	FN.W10-DIN-2	WASHER	2
01-40	70ND-060000	THROTTLE LEVER	1
01-41	FHSS.S-M6x8-GB-3	SOCKET SCREW WITH FLAT HEAD	1
01-42	HC.N-M8-DIN-2	CAP NUT	1
01-43	FNL.N-M8-DIN-2	HEXAGON THIN NUT	2
01-44	FHSS.S-M8x20-GB-3	SOCKET SCREW WITH FLAT HEAD	1
01-45	70ND-060001	THROTTLE BODY	1
01-46	70ND-060003	BOLT	1
01-47	70ND-060002	THROTTLE GEAR	1
01-48	W04-45x3	O-RING	1
01-49	70ND-060004	SLIDER	1
01-50	W06-S04-L600x800	THROTTLE CABLE	1
01-51	70ND-010018	THROTTLE LEVER ASSY	1

**ETR85D-02 GEAR CASE & ENGINE ASSY**

<b>NO.</b>	<b>PART NO.</b>	<b>PART DESCRIPTION</b>	<b>QTY</b>
02-1	W05-1B20	ENGINE	1
02-2	W18-08-1153	CENTRIFUGAL CLUTCH ASSY	1
02-3	70B-020129	LOCK WASHER	2
02-4	HSPG.W8-DIN-1	SPRING WASHER,TANG ENDS	6
02-5	HS.B-M8x25-8.8-GB-1	SCREW	1
02-6	85DZ-020200	FLANGE	1
02-7	HSPG.W10-DIN-1	SPRING WASHER,TANG ENDS	12
02-8	HS.B-M10x30-8.8-GB-1	SCREW	4
02-9	85DZ-020400	BOLT	4
02-10	85DZ-020600	SUPPORT BASE	1
02-11	85DZ-020700	SUPPORT BRACKET(R)	1
02-12	85DZ-020800	SUPPORT BRACKET (L)	1
02-13	FN.W10-DIN-1	WASHER	4
02-14	FN.N-M10x1.25-DIN-1	THIN NUT	4
02-15	FN.B-M8x30-8.8-DIN-1	BOLT	4
02-16	FN.W8-DIN-1	WASHER	8
02-17	FN.N-M8-DIN-1	NUT	4
02-18	FN.B-M8x25-8.8-DIN-1	BOLT	3
02-19	70B-020119	CLUTCH HOUSING	1
02-20	70ND-020112	SPACER	1
02-21	W04-99.6x3.5	O RING	1
02-22	W03-52x40x8	OIL SEAL	1
02-23	W01-6207Z-J	BEARING	1
02-24	CS.RG35	EXTERNAL CIRCLIP	2
02-25	W01-6204-J	BEARING	1
02-26	Key.A-5x22	KEY	1
02-27	85d-020124	PINION	1
02-28	SC.PIN-6x25	SPRING PIN	1
02-29	70B-020125	SHOCK ABSORBER	2
02-30	HS.B-M10x25-8.8-GB-1	SCREW	4
02-31	85DZ-020500	COVER	1
02-32	FN.W6-DIN-1	WASHER	13
02-33	HSPG.W6-DIN-1	SPRING WASHER,TANG ENDS	13
02-34	FN.B-M6x12-8.8-DIN-1	BOLT	4
02-35	85d-010000	GEAR CASE	1
02-36	70B-020101	WASHER	1
02-37	70B-020112	INTERNAL CIRCLIP	1
02-38	W01-TAF324220	BEARING	1SET
	W01-TLRT283220		
02-39	W01-6207-J	BEARING	1
02-40	CH.RG72	INTERNAL CIRCLIP	1
02-41	85d-020115	CRANK GEAR	1
02-42	70ND-020102	CONNECTING ROD	1
02-43	W01-6304-J	BEARING	1
02-44	CS.RG20	EXTERNAL CIRCLIP	1
02-45	CH.RG52	INTERNAL CIRCLIP	1
02-46	70ND-020114	PACKING,FRONT COVER	1
02-47	85DZ-020103E	FRONT COVER	1
02-48	FN.B-M6x25-8.8-DIN-1	BOLT	9
02-49	D4-MP-E	NAMEPLATE	1
02-50	K.RVT-2.5x5	RIVET	4

Note: As a spare part, the unit price of engine has included the value-added tax and custom duty.

**ETR85D-03 GUIDE CYLINDER & SPRING ASSY**

<b>NO.</b>	<b>PART NO.</b>	<b>PART DESCRIPTION</b>	<b>QTY</b>
03-1	70ND-020001	PISTON ROD	1
03-2	70ND-020215	PISTON PIN	1
03-3	70ND-020211	NYLON STOPPLE	2
03-4	70ND-020221	STOPPER	1
03-5	70ND-020219	SPRING GUIDE	1
03-6	W04-159.3x5.7	O RING	1
03-7	70ND-020206	GUIDE CYLINDER	1
03-8	FN.W10-DIN-1	WASHER	12
03-9	HSPG.W10-DIN-1	SPRING WASHER,TANG ENDS	12
03-10	HS.B-M10x35-DIN-1	SCREW	8
03-11	70B-021000	BELLOW HOOP	2
03-12	70B-020216P	BELLOW	1
03-13	70ND-020218	PACKING	1
03-14	70ND-020220	SPRING CYLINDER	1
03-15	W04-88x3.5	O RING	1
03-16	70ND-020201	INNER SPRING	2
03-17	70ND-020202	OUTER SPRING	2
03-18	70ND-020210	PISTON	1
03-19	SPG.W18-DIN-3	SPRING WASHER	1
03-20	FN.N-M18x1.5-DIN-3	NUT	1
03-21	70ND-020222	PROTECTION SLEEVE	1
03-22	GB97.1-M14	CUPRUM WASHER	2
03-23	HHOS.B-M14x1.5	HEXAGON HEAD PLUG	2
03-24	100GB-041000	OIL GAUGE	1
03-25	ZH-D-M20	WASHER	1
03-26	W04-94.4x3.1	O RING	1
03-27	85ND-030200	FOOT PLATE	1
03-28	HS.B-M10x25-GB-1	SCREW	4

**ETR85D-04 RAMMER SHOE ASSY**

<b>NO.</b>	<b>PART NO.</b>	<b>PART DESCRIPTION</b>	<b>QTY</b>
04-1	70ND-030106	RAMMER SHOE STEEL PLATE	1
04-2	70ND-030104	RAMMER SHOE WOODEN PLATE	1
04-3	70ND-030105	RAMMER SHOE CLAMP PLATE	1
04-4	FN.W10-DIN-1	WASHER	8
04-5	IN.N-M10-DIN-1	LOCK NUT	8
04-6	FSN.B-M10x50	SUNK HEAD BOLT	8
04-7	FSN.B-M12x65	SUNK HEAD BOLT	2
04-8	IN.N-M12-DIN-1	LOCK NUT	4
04-9	HSPG.W12-DIN-1	SPRING WASHER,TANG ENDS	4
04-10	FN.W12-DIN-1	WASHER	2
04-11	70ND-030100A	HANDLE	1
04-12	FSN.B-M12x90	SUNK HEAD BOLT	2