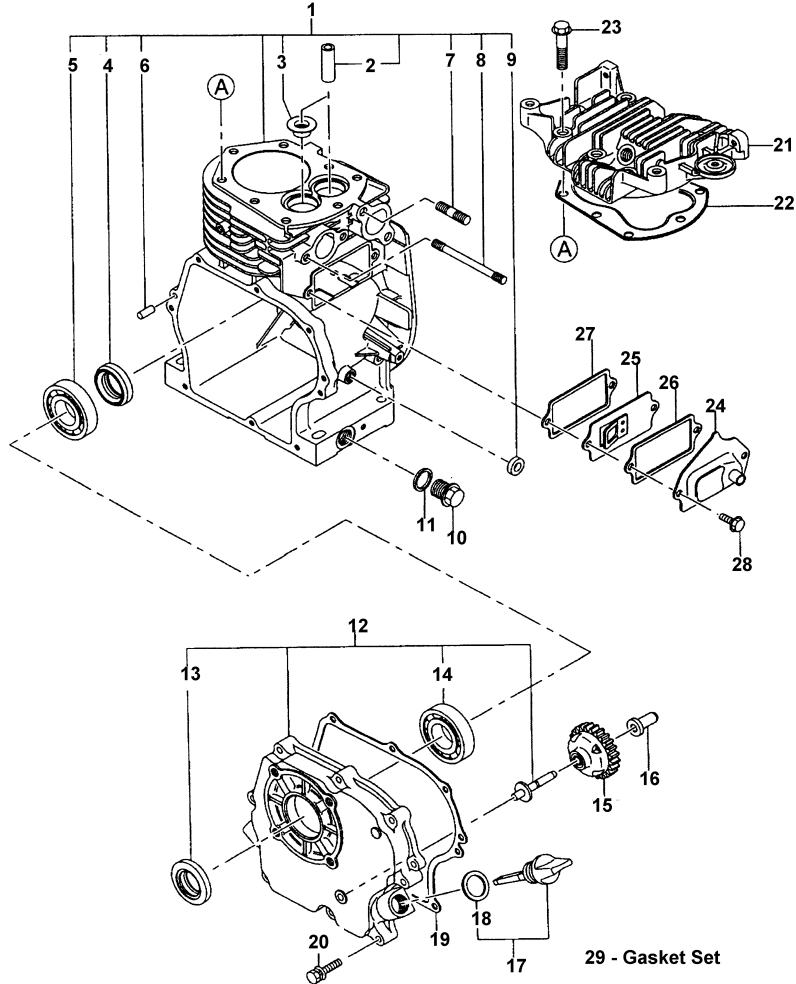


# 3" CENTRIFUGAL PUMP Model EW300R

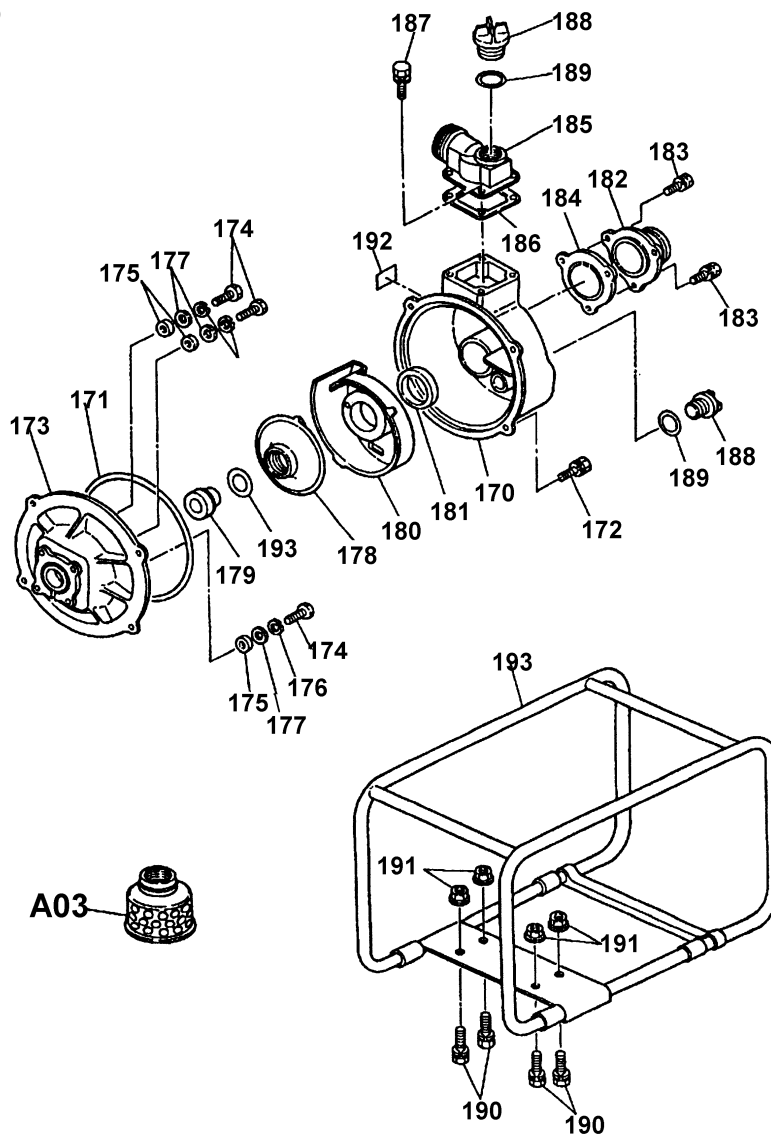
(Spec. # - EY203D10160 & Engine Model # EY20-3D)

## CRANKCASE



Item No.	Part No.	No. Used	Description	Item No.	Part No.	No. Used	Description
1	282-10111-01	1	Crankcase CP	16	EY205-41901-03	1	Governor Sleeve
2	EY227-14202-03	2	Valve Guide	17	282-63601-H1	2	Oil Gauge CP
3	282-16301-03	1	Stem Seal	18	X21-31600-20	2	Gasket
4	EY044-02501-50	1	Oil Seal	19	EY227-16001-03	1	Gasket (Bearing Cover)
5	X60-02500-10	1	Ball Bearing	20	EY013-00600-40	8	Bolt & Washer Assy
6	EY031-00600-20	2	Dowel Pin	21	EY227-13001-13	1	Cylinder Head
7	EY010-50802-50	2	Stud	22	282-15001-01	1	Gasket CP (Head)
8	EY010-50601-20	2	Stud	23	EY011-00800-10	8	Flange Bolt
9	044-00800-10	1	Oil Seal	24	EY227-14301-01	1	Tappet Cover CP
10	EY040-11400-30	2	Plug	25	EY227-14401-01	1	Breather Plate CP
11	EY021-11400-20	2	Gasket	26	282-16006-03	1	Gasket (Tappet Cover)
12	282-11001-01	1	Main Bearing Cover C	27	282-16007-23	1	Gasket (Breather Plate)
13	EY044-02501-60	1	Oil Seal	28	EY011-00600-20	2	Flange Bolt
14	X60-02500-10	1	Ball Bearing	29	282-99001-17	1	Gasket Set (Includes Items 19, 22, 26, 27, 58, 65 & 66)
15	EY227-45003-01	1	Governor Gear CP				

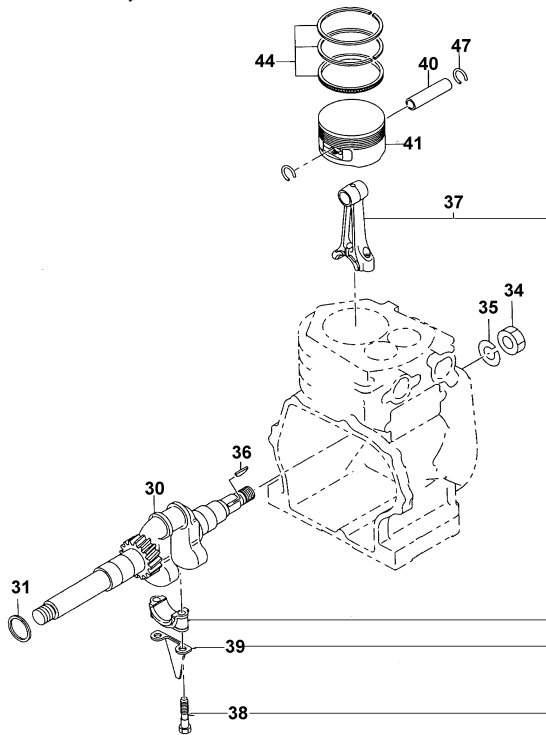
# PUMP



Item No.	Part No.	No. Used	Description	Item No.	Part No.	No. Used	Description
170	10480-08010-01	1	Casing	186	10480-08010-20	1	Delivery Flange Packing
171	10480-05010-02	1	Casing Packing	187	10480-05010-14	4	Bolt & Washer Assy M8x25
172	10480-05010-03	4	Bolt & Washer Assy M10x30	188	10480-05010-21	2	Plug
173	10480-05010-04	1	Casing Cover	189	10480-05010-22	2	Plug Packing
174	10480-05010-05	4	Bolt M8x48	190	10480-05010-23	4	Bolt & Washer Assy M8x40
175	10480-05010-06	4	Seal Packing	191	10480-05010-24	4	Flange Nut M8
176	10480-05010-07	4	Spring Washer	192	10482-00092-03	1	Pump Name Label
177	10480-05010-08	4	Washer	193	10481-00001-24	1	Frame
178	10480-08010-09	1	Impeller				
179	10480-05010-10	1	Mechanical Seal	194	10480-08010-37	1	Shim (20 $\phi$ x18 $\phi$ x0.3mm)
180	10480-08010-11	1	Inner Casing		10480-08010-38	1	Shim (20 $\phi$ x18 $\phi$ x0.6mm)
181	10480-08010-12	1	Inner Casing Packing				(Select only One Shim)
182	10481-00000-06	1	Suction Flange (NPT)	<b>Accessories</b>			
183	10480-08010-14	3	Bolt & Washer Assy M8x30	A03	10481-00000-09	1	Strainer
184	10480-08010-15	1	Check Valve				
185	10481-00000-08	1	Delivery Flange (NPT)				

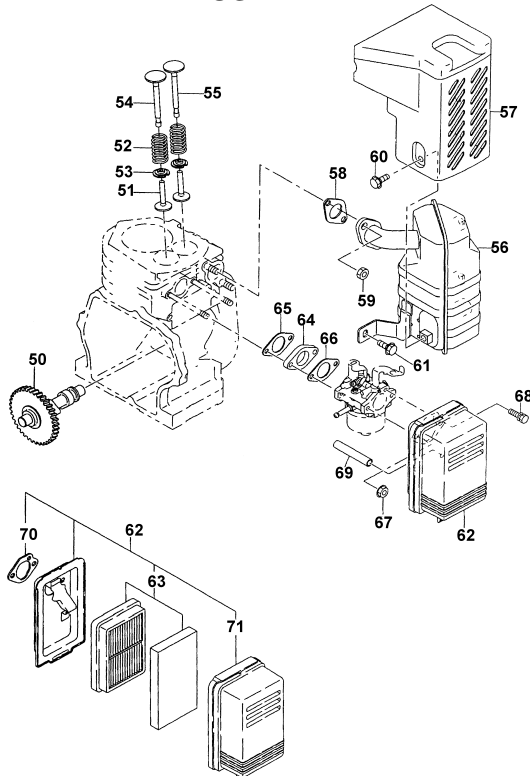
2 Model EW300R  
(Engine Model # EY20-3D)

## CRANKSHAFT, PISTON



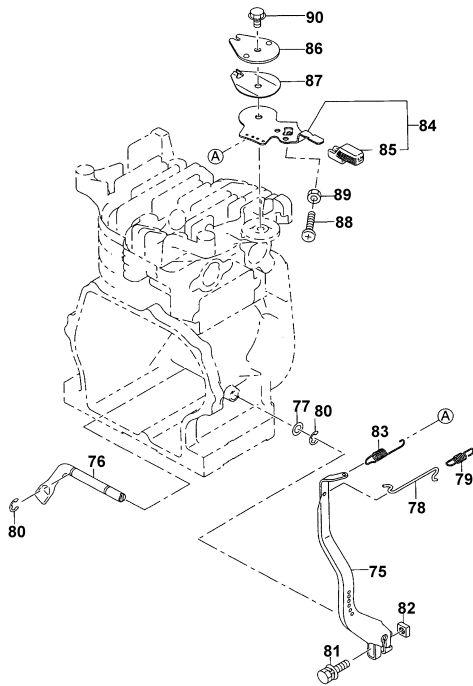
Item No.	Part No.	No. Used	Description
30	282-20301-01	1	Crankshaft CP
31	EY023-02501-10	1	Spacer 25.3Dx32Dx0.6T
	EY023-02501-20	1	Spacer 25.3Dx32Dx0.8T
	EY023-02501-30	1	Spacer 25.3Dx32Dx1.0T
34	EY002-18140-00	1	Nut
35	EY003-20140-00	1	Spring Washer
36	EY032-30300-10	1	Woodruff Key
37	227-22501-10	1	Connecting Rod Assy
38	EY227-23001-13	2	Connecting Rod Bolt
39	EY227-23101-03	1	Oil Scraper
40	EY214-23301-13	1	Piston Pin
41	EY227-23401-03	1	Piston STD (67DX42H)
	EY227-23402-03	1	Piston 0.25 O.S. (67DX42H)
	EY227-23403-03	1	Piston 0.50 O.S. (67DX42H)
44	282-23501-07	1	Piston Ring Set (67D)
	282-23502-07	1	Piston Ring Set 0.25 O.S. (67D)
	282-23503-07	1	Piston Ring Set 0.50 O.S. (67D)
47	EY056-51400-10	2	Clip

## INTAKE EXHAUST



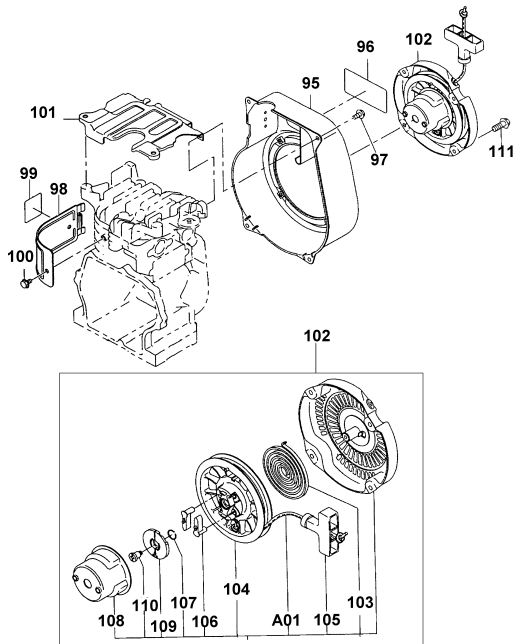
Item No.	Part No.	No. Used	Description
50	282-31701-03	1	Camshaft
51	EY227-33301-03	2	Tappet
52	EY227-33601-03	2	Valve Spring
53	EY227-33701-03	2	Spring Retainer
54	282-33401-03	1	Intake Valve
55	282-33501-03	1	Exhaust Valve
56	282-30101-L1	1	Muffler CP
57	282-34201-H1	1	Muffler Cover CP
58	282-35201-01	1	Gasket CP (Exhaust)
59	017-00800-30	2	Nut
60	011-00600-10	3	Flange Bolt
61	EY011-00600-20	1	Flange Bolt
62	282-32610-00	1	Air Cleaner Assy (Includes Items 70 & 71)
63	282-32601-07	1	Element Set
64	EY227-32901-13	1	Insulator
65	282-35901-03	1	Gasket (Insulator)
66	EY227-35904-03	1	Gasket 2 (Insulator)
67	226-39212-00	2	Nut & Washer Assy
68	EY001-10061-20	1	Bolt & Washer Assy
69	EY085-10800-00	1	Rubber Pipe
70	282-32651-08	1	Packing
71	282-32640-08	1	Cover CP

## GOVERNOR, OPERATION



Item No.	Part No.	No. Used	Description
75	227-42301-11	1	Governor Lever CP
76	EY227-42201-03	1	Governor Shaft
77	EY003-11080-00	1	Washer
78	EY227-42701-01	1	Governor Rod
79	227-42801-03	1	Rod Spring
80	EY003-13060-00	2	Clip
81	EY001-14062-50	1	Bolt & Washer Assy
82	EY018-60600-20	1	Nut
83	EY227-42501-13	1	Governor Spring
84	227-43301-10	1	Speed Control Assy
85	EY227-43601-03	1	Knob
86	227-43501-13	1	Stop Plate
87	EY227-45002-03	1	Spring Washer
88	EY004-31063-00	1	Screw
89	EY002-27060-00	1	Nut
90	EY011-00600-30	1	Flange Bolt

## COOLING, STARTING

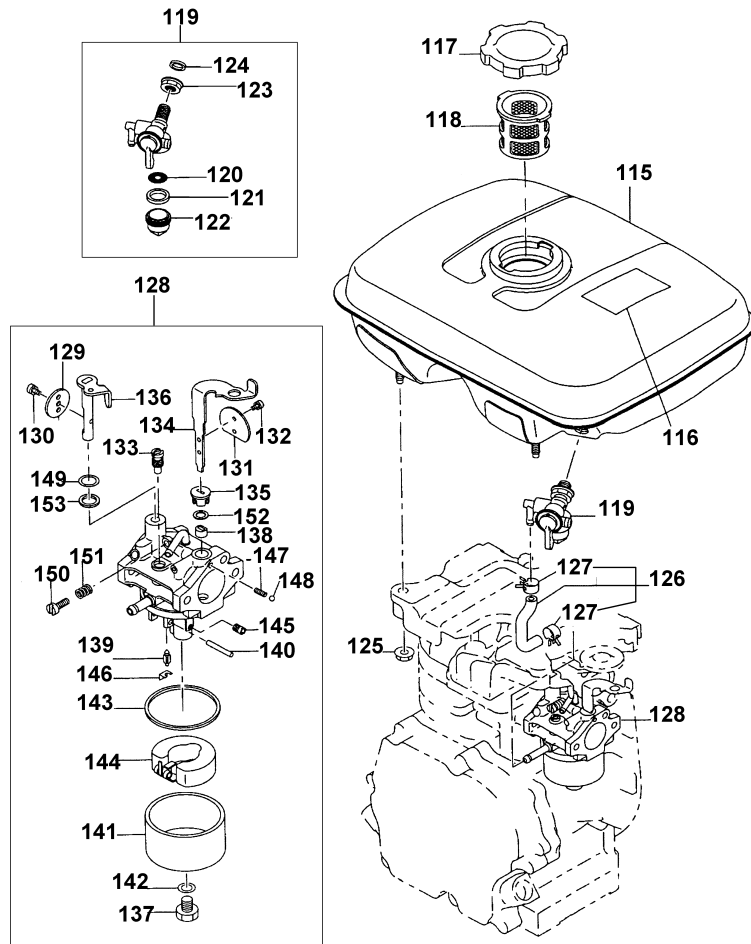


Item No.	Part No.	No. Used	Description
95	282-51265-01	1	Blower Housing CP
96	073-20042-70	1	Label (Makita)
97	EY011-00600-30	4	Flange Bolt
98	EY227-52601-03	1	Cylinder Baffle
99	282-91860-H3	1	Label (Engine Name)
100	011-00600-10	1	Flange Bolt
101	EY227-52701-03	1	Head Cover
102	282-50211-10	1	Recoil Starter Assy (Includes Items 103 - 110 & A01)
103	270-50115-08	1	Spiral Spring
104	269-50120-08	1	Reel
105	261-50100-08	1	Starter Knob
106	270-50125-08	2	Ratchet
107	EY227-50131-08	1	Friction Spring
108	269-50145-18	1	Starter Pulley
109	270-50261-08	1	Ratchet Guide
110	EY227-50152-08	1	Set Screw
111	011-00600-10	4	Flange Bolt

### Accessories

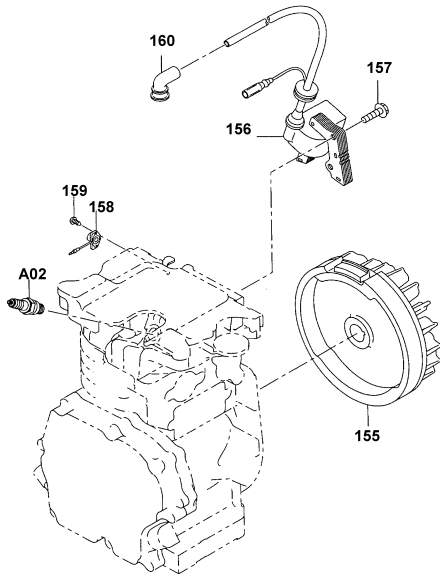
A01	282-50111-08	1	Starter Rope 3.8mm Dia X 1.2M (1200mm)
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# Fuel Lubricant



Item No.	Part No.	No. Used	Description	Item No.	Part No.	No. Used	Description
115	282-60117-01	1	Fuel Tank CP	134	EY226-62520-18	1	Shaft Assy (Choke)
116	073-20044-50	1	Label (Caution)	135	EY226-62551-08	1	Ring
117	043-04400-50	1	Fuel Tank Cap CP	136	EY226-62532-08	1	Shaft Assy (Throttle)
118	064-13600-10	1	Fuel Filter	137	EY227-62451-08	1	Bolt
119	EY064-20064-00	1	Fuel Strainer Assy (Includes Items 120 - 124)	138	EY226-62550-08	1	Ring
120	EY064-20064-20	1	Filter	139	EY226-62502-08	1	Needle Valve Assy (Hoyo)
121	EY064-20064-10	1	Packing	140	EY214-62515-08	1	Pin
122	EY064-20042-10	1	Strainer Cup	141	EY227-62558-08	1	Float Chamber Body
123	EY064-20064-30	1	Nut	142	EY214-62450-08	1	Packing
124	EY064-20064-40	1	Packing	143	EY214-62540-08	1	Chamber Packing
125	EY002-38060-00	2	Flange Nut	144	EY226-62506-08	1	Float Assy
126	282-62601-H1	1	Fuel Pipe CP	145	226-62411-08	1	Main Jet
127	056-11100-20	2	Hose Clamp	146	226-62701-08	1	Clip
128	227-62480-00	1	Carburetor Assy (Includes Items 129 - 153)	147	EY209-62446-08	1	Choke Spring
129	252-62535-08	1	Throttle Valve	148	EY209-62353-08	1	Steel Ball
130	EY209-62351-08	1	Screw	149	106-62392-08	1	Seal
131	EY226-62525-08	1	Choke Valve	150	EY209-62352-08	1	Screw
132	EY237-62451-08	2	Screw	151	EY209-62445-08	1	Spring
133	EY227-62423-08	1	Pilot Jet	152	227-62559-08	1	Seal
				153	156-62351-08	1	Packing

## Electric Device

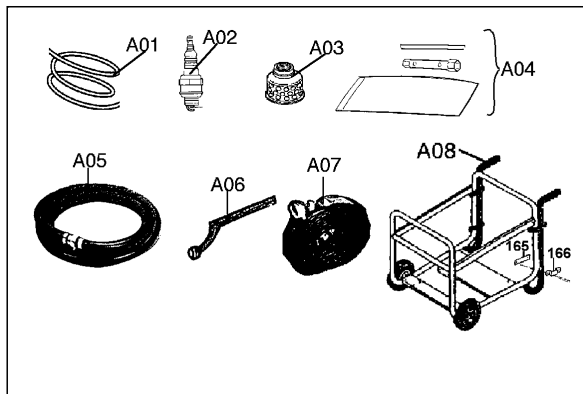


Item No.	Part No.	No. Used	Description
155	282-79201-01	1	Flywheel CP
156	282-79401-01	1	Ignition Coil CP
157	EY011-00601-21	2	Flange Bolt
158	X66-00003-61	1	Switch Assy
159	015-00400-90	2	Tapping Screw
160	EY065-50000-51	1	Spark Plug Cap

### Accessories

A02	EY065-01402-10	1	Spark Plug
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## Accessories



Item No.	Part No.	No. Used	Description
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165	110004G2	4	Back Plate
166	110004G1	4	Bracket

### Accessories

A01	282-50111-08	1	Starter Rope 3.8mm Dia X 1.2M (1200mm)
A02	EY065-01402-10	1	Spark Plug
A03	10481-00000-09	1	Strainer
A04	226-90305-00	1	Accessory Tools Kit
A05	123043-A	1	3" Suction Hose
A06	781002-A	1	3" Spanner Wrench
A07	123046-A	1	3" Discharge Hose
A08	110004-A	1	Wheel Kit (Includes Items 165 & 166)
A09	110003-A	1	Lifting Hook