

LASER INTERFEROMETER GRAVITATIONAL WAVE OBSERVATORY

- LIGO -

CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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TAMA Seismic Attenuation System (SAS) Mirror suspension system (SUS) List of components for production		
Akiteru Takamori (LIGO and University of Tokyo), Riccardo DeSalvo (LIGO)		

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California Institute of Technology
LIGO Laboratory - MS 18-34
Pasadena CA 91125
Phone (626) 395-212
Fax (626) 304-9834
E-mail: info@ligo.caltech.edu

Massachusetts Institute of Technology
LIGO Laboratory - MS 16NW-145
Cambridge, MA 01239
Phone (617) 253-4824
Fax (617) 253-7014
E-mail: info@ligo.mit.edu

www: <http://www.ligo.caltech.edu/>

Tama payload 3 production part list				
Part number	Detailed in drawing	Description	Shown in assembly number	Production pieces
1	14	Counterweight support	0	1x2
2	15	Stiffening rod	0	3x2
3	15	Fastening strip	0	6x2
4	15	Fastening angular	0	3x2
5	15	Hexawire strut	0	3x2
6	15	Terminal wire	1	6x2 =>18
7	16	Hexawire fixture	0	6x2 =>18
8	16	Hexawire fixture	0	12x2
9	16	Clamp	0	4x2
10	26	Coil box	0	1x2
11	16	Spacer rod	0	2x2 =>20
12	16	Spacer rod	0	2x2 =>20
13	22	Spring block	1	4x2
14	22	Magnet box	1	1x2
15	22	Clamp	1	4x2 => 12
16	22	Clamp	1	8x2 =>25
16.1	22	Clamp	1	8x2 =>25
16.2	22	Clamp	1	8x2 =>25
17	23	Intermediate mass	1	1x2
18	28	Recoil mass	1	1x2
19	29	Coil holder	1	4x2 =>10 +20 without diam 10
20	25	Suspen. Magnet mass	1	4x2 =>20
21	22	Rectangular spring	1	4x2 =>30
21.1	22	Plate	0	8x2 =>32
22	22	plate	0	4x2 =>32
23	31	Center blade clamp	5	2x2 =>6
24	29	Transport clamp	5	4x2
25	29	Coil	5	8x2 =>32
26	27	Top mass	5	1x2
27	31	Side blade clamp	5	4x2 =>16
28	31	Blade	5	4x2 =>to discuss
29	24	Knob	6	8
30	24	Mirror adjustment jig	6	1
31	24	pin	6	4
32	30	Transport fixture	4	2x2
33	30	Transport fixture	4	2x2
34	25	Coil box spacer	1	4x2
35	25	Spacer intermediate mass	1,7	2x2

Tama payload 3 production part list				
Part number	Detailed in drawing	Description	Shown in assembly number	Production pieces
36	24	Transport clamp	7	2x2
37	25	Spacer recoil mass	1	2x2
38	25	Clamp	1	2x2
39	25	Pin	1	2x2
40	30	Blade range limiter	4	2x2
41	16	Cabling cones	0	16x2 =>100
42	20	Joint plate	8	4
43	18	Support bar	8	2
44	19	Support bar	8	2
45	18	Mirror support	8	1
46	20	Guide	8	2
47	19	Rammer's rod	9	2
48	19	Rammer's rod	9	2
49	20	Joint rod	9	4
50	18	Rammer's rod	9	4
51	17	base	9	1
52	21	Recoil mass support	10	1
53	21	End stop	10	2
54	21	Spacer	11	2
55	21	Recoil support	11	1
56	20	Spacer	11	2
57	21	Spacer	9	2
58	21	Spacer	9	2
59	29	cover	13	1x2
60	016	Blade spacer	0	4x2 =>12
60.1	16	Open washer		10x2 =>100
61	16	Clamp	1	4x2
62	24	Transport clamp	7	2x2
63	25	Wire cup	1	1x2 =>20 couples
64	31	Wedge	0	12x2 =>to discuss
65	30	Screw	1	4x2 =>50
66	30	Screw	1	16x2 =>100
67	32	Suspension wire	1	1x2 =>to discuss
68	32	Support magnet	1	4x2 =>20
69	32	Magnet holder		4x2 =>20
70	18	Support pin	8	4
71	18	Support bar	8	2
72	32	Joint pin	1	3x2 =>10
73	032	Head wire	0	4x2 =>100
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Lista componenti da produrre in quantita' eccedenti il numero specificato.
 Il numero totale di pezzi da produrre e' quello specificato qui sotto.
 Tutte le altre componenti vanno prodotte in quantita' necessaria alla produzione di due
 unita' di Payload3

PAGINA	Numero PARTE	QUANTITA'
015	6	15
	7	15
016	11	100
	12	100
	60	12
	60.1	100
022	41	100
	21	30
	21.1	32
	22	32
	16	25
	16.1	25
	16.2	25
025	63	10-20 coppie
	20	20
029	25	32
	19	10 + 20 senza il diametro 10 mm
030	65	50
	66	100
	28	discutere
031	64	30 + discutere
	23	6
	27	16
	73	100
032	72	10
	67	Discutere
	68	20
	69	20

Nota bene: Gli utensili di montaggio descritti alle pagine 006 008 009 010 011 012 013 034 035 e dettagliati nelle pagine 017 018 019 020 021 033 035 036 037 e parti 29, 30 e 31 in pagina 024 vanno prodotti in quantita' sufficiente per un unico esemplare.
 Disegni 002 e 003 sono solo per riferimento.