

<i>Traveler Number</i>	<i>Originating Originator</i>	<i>Cognizant Engineer</i>	<i>Part Description</i>
E990116-00-X	2/25/99 Janeen Romie	Janeen Romie	SILVER PLATED STAINLESS SCREWS: 1) 3/9-16-1.50 long hex head screw with c'bore, 2) 1/2-13x2.50 long set screw with c'bore
E990117-00-X	2/25/99 Larry Jones	Larry Jones	Kapton Ribbon Cable
E990134-00-X	3/18/99 Helena Armandula	Helena Armandula	2KITM
E990135-00-X	3/18/99 Janeen Romie	Janeen Romie/Jay Heefner	1) Sensor Actuator Head Assembly, SOS (long); 2) Sensor/Actuator Cables; 3) Sensor/Actuator PAM Brackets; 4) #4 Teflon Washers; 5) #4-40x.75 silver plated stainless screws

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E980345-00-X	11/30/98 Janeen Romie	Janeen Romie/Jay Heefner	(#1) Sensor/Actuator Head Assembly, LOS (long) (#2) Sensor/Actuator Head Assembly, SOS (short)
E980350-00-X	12/ 4/98 Q. Shu	Dave Reitze/Rong	(#1) Guide Rod; (#2) Silver Plated Screws with Spring Tips; (#3) 4-40 x 1/2" SHCS; (#4) 4-40 Helical Springs
E980352-00-X	12/15/98 Janeen Romie	Janeen Romie	SUSPENSION CLAMPS: (#1) LOS Clamp, Short - Stainless; (#2) LOS Clamp, Long - Stainless
E980356-00-X	12/21/98 Mike Smith	Mike Smith	1)6-32x0.75 lg socket button head (#2)mode cleaner baffle clamp (#3)mode cleaner baffle black glass (#4)mode cleaner frame (#5) 6-32x0.375 lg socket button head (#6)1/4-20x1.0 lg socket head cap screw (#7)mode cleaner
E980362-00-X	12/23/98 David Tanner	David Tanner	(#1) Lower brackets, (#2) Spring-tipped Safety Screws
E980366-00-X	12/30/98 Janeen Romie	Janeen Romie	LOS Height Adapters and Suspension, Stainless
E990001-00-X	1/ 7/99 Dennis Coyne	Larry Jones	Bar, Short (ribbon cable clamping system component part)
E990002-00-X	1/ 7/99 Dennis Coyne	Larry Jones	Kapton Ribbon Cable, Crimped Pins, PEEK Connectors
E990004-00-X	1/ 8/99 T. Delke	David Tanner	2-h MMT2 SOS Riser Block
E990031-00-X	1/11/99 Matt Smith	Matt Smith	(#1) 12" OD to 4-50 OD CF Flange Zero Length Reducer; (#2) 4.50 OD CF Blank
E990032-00-X	1/11/99 Matt Smith	Matt Smith	10" OD CF with 22" long 2-50 OD Tube with 4.50 OD CF
E990033-00-X	1/ 7/99 Mike Smith	Mike Smith	IO Baffle 2k, Assembly (screws, nuts, bolts) and IO Baffle 2k, Installation
E990075-00-X	1/18/99 Mike Smith	Mike Smith	(#1) IO Baffle Alignment Target; (#2) 10-32x1/4 slotted head screw, ss

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E980280-00-X	10/ 8/98 S. Yoshida	David Reitze	Vacuum-use Rotary Mounts
E980281-00-X	10/ 8/98 S. Yoshida	S. Yoshida/David Reitze	Cubic Polarizer
E980287-00-X	11/23/98 David Reitze	David Reitze	2" In Vacuum Mirror Mounts Parts
E980289-00-X	10/22/98 Janeen Romie	Janeen Romie	LOS FIXTURES: (#1) LOS Guide Rod Fixture; (#2) LOS1b Guide Rod Fixture, Top Blocks only; (#3) LOS1c Guide Rod Fixture, Top Blocks only; (#4) LOS1d Guide Rod Fixture, Top Blocks only; (#5) LOS2 Magnet/Standoff Assy Fixture
E980291-00-X	10/28/98 Kyle Ryan	Mike Fine	(#1) HAM Bellows
E980292-00-X	11/13/98 Kyle Ryan	Mike Fine	HAM Bellows
E980294-00-X	11/ 6/98 Dennis Coyne	David Tanner	Miscellaneous IO Aluminum Parts: (#1) SOS Lower Clamp, Opposite; (#2) Faraday Rotator Mount (IO WHAM7); (#3) Faraday Rotator Spacer (IO WHAM7); (#4) SOS Magnet Standoffs
E980295-00-X	11/ 6/98 Dennis Coyne	David Tanner	Miscellaneous IO Stainless Steel Parts: (#1) SOS Suspension Block; (#2) New Focus Stand; (#3) New Focus Stand Clamp; (#4) SOS Dowel Pins, 3/6"; SOS Dowel Pins, 3/32"
E980314-00-X	10/28/98 Janeen Romie	Janeen Romie	LOS FIXTURES: (#1) Transfer, McMaster Carr; (#2)
E980331-00-X	11/10/98 Janeen Romie	Janeen Romie	(#1) Scale; (#2) Prism
E980333-00-X	11/10/98 Janeen Romie	Janeen Romie	(#1) LOS2 Suspension Block
E980335-00-X	11/10/98 Mike Fine	Mike Fine	HAM Leg Screws
E980343-00-X	11/30/98 Mike Fine	Mike Fine	(#1) HAM Leg Screws (24 pieces for each type) (#2) Custom Vented Washers

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E980224-00-X	5/20/98 Dennis Coyne	Janeen Romie & Dave Reitze	SOS Suspension Structure Assembly Parts
E980229-00-X	8/21/98 Janeen Romie	Janeen Romie	1)Safety Stop Screw, Stainless 2)Compression Spring, Lee Spring p/n C1-012B-3SS
E980238-00-X	8/27/98 Janeen Romie	Janeen Romie	LOS Height Adapters
E980243-00-X	9/ 9/98 Janeen Romie	Janeen Romie	Music Wire, .012" dia. (qty. in feet)
E980245-00-X	9/ 9/98 Janeen Romie	Janeen Romie	Silver Coated Stainless Fasteners: (#1) socket set screw, 10-32x.188; (#2) socket head cap screw, 4-40x3/4; (#3) socket head cap screw, 1/4-20x1.00; (#4) hex nut, 1/4-20
E980252-00-X	9/17/98 Mike Fine	Mike Fine	HAM Bellows
E980253-00-X	9/17/98 Mike Fine	Mike Fine	LIGO Isolation System Coil Spring Seat (Left Handed)
E980256-00-X	9/24/98 Janeen Romie	David Reitze	Music Wire, .0016" dia, Carbon Steel (portion of 1000' roll)
E980258-00-X	9/28/98 David Reitze	David Reitze	Silver Coated V Screws Socket
E980270-00-X	10/ 8/98 Janeen Romie	Janeen Romie	FASTENERS: (#1) hex head screw, silicon bronze, 1/4-20x3.00; (#2) socket head cap screw, Ag over SST, 1/2-13x2.50; (#3) socket head cap screw, AG over SST, 3/8-16x1.50; (#4) slotted pan head screw, Ag over SST, Melles Griot Mirror, Pyrex, 25mm Dia.
E980272-00-X	10/ 8/98 Janeen Romie	Janeen Romie	
E980273-00-X	10/ 8/98 Janeen Romie	Janeen Romie	(#1) 1/8" caps, (#2) 1/4" caps, (#3) 3/8" caps
E980274-00-X	10/14/98 Dennis Coyne	Larry Jones	Kapton Ribbon Cable, Crimped Pins, PEEK Connectors (25-pin, D-type); Assembled by LIGO CDS

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E980163-00-X	6/23/98 Matthew Smith	Matthew Smith	Blank, 4.50 CF
E980164-00-X	7/14/98 Dennis Coyne	Matthew Smith	2.75" Tee
E980165-00-X	7/14/98 Dennis Coyne	Matthew Smith	Vent Valve
E980167-00-X	7/22/98 Dennis Coyne	Jordan Camp & Dave Reitze	Faraday Isolator, 12 mm aperature
E980169-00-X	7/22/98 Dennis Coyne	Mike Zucker	Viewport, 10" OD DelSeal Flange (VP800) 5-3/8" zero-profile 7056 glass viewport, uncoated
E980180-01-X	8/11/98 Dennis Coyne	Mike Zucker	Viewport, 10" OD DelSeal Flange (VP800) 5-3/8" zero-profile 7056 glass viewport with 1064 nm
E980181-00-X	8/11/98 Dennis Coyne	Dennis Coyne	LIGO Isolation System Coil Spring Seat
E980182-00-X	8/11/98 Dennis Coyne	Dennis Coyne	Viewport, 10" OD DelSeal Flange (VP800) 5-3/8" zero-profile 7056 glass viewport with 635 nm AR Coating
E980185-00-X	7/22/98 Dennis Coyne	Janeen Romie	LOS Aluminum and Quartz Parts: (#1) LOS side standoff; (#2) dumbbell standoff; (#3) guide rod; (#4) recycling mirror LOS side standoff; (#5) recycling mirror guide rod; (#6) LOS large wire standoff; (#7) recycling mirror wire standoff
E980203-A-X	9/ 2/98 Larry Jones	Larry Jones	(#1) Vented Phillips flat head scres, #10-32x3/8; (#2) non-vented Phillips flat head scres, #10-32x3/8; Non-Vented Phillips socket head screw: (#3) #10-32x1/4; (#4) #4-40x1/2; (#5) 1/4-20x1; (#6) #10-32x1/4; (#7)
E980204-B-X	9/ 8/98 Larry Jones	Larry Jones	(#1) Bar: 1/2 round; (#2) Base: U; (#3) HafI Base: U/2; (#4) Adapter; (#5) Termination Bracket; (#6) Base: short; (#7) Bar: short; (#8) Spacer
E980216-00-X	6/19/98 Stan Whitcomb	Mike Fine	LIGO Isolation Stack Flourel Shims
E980217-00-X	8/ 7/98 Janeen Romie	Janeen Romie	(#1)LOS Chamfer Stop; (#2)Hex Head, 3/8-16x1.5; (#3) hex head, 1/4-20x1.5; (#4) hex head 1/4-20x3/0; (#5))Washer, #4

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E990124-00-X	3/ 9/99 Dennis Coyne	Mike Fine	HAM Bellows
E990125-00-X	3/ 9/99 Dennis Coyne	Mike Fine	HAM Bellows
E990131-00-X	3/16/99 Janeen Romie	Janeen Romie	LOS Structure Assembly
E990132-00-X	3/16/99 Janeen Romie	Janeen Romie	Silver Plated Stainless Screws: 1/2-13x2.50 long set screw with c'bone
E990148-00-X	3/29/99 Janeen Romie	Janeen Romie/Jay Heefner	1) Sensor/Actuator Head Assembly LOS (long); 2) Sensor/Actuator Head Assembly, SOS (short)

STATUS Complete

E980121-00-X	6/10/98 Dennis Coyne	Dennis Coyne	LIGO Isolation System Coil Springs Seat (1200)
E980153-00-X	6/18/98 Dave Reitze & Dave Tanner	Dave Reitze & Dave Tanner	In-Vacuum Small (2") Optics Mirror Mounts (nonsuspended)
E980154-00-X	6/30/98 Dennis Coyne	Dennis Coyne	LIGO Isolation System Coil Spring Seat
E980155-00-X	6/30/98 Dennis Coyne	Larry Jones	4.50" CF Flange, blank
E980156-00-X	7/ 3/98 Dennis Coyne	Larry Jones	Custom Adpater Nipple (12" to three 4.5" CF Converter)
E980159-00-X	7/14/98 Dennis Coyne	Jay Heefner & Janeen Romie	Cable for Sensor/Actuator Head Assembly
E980161-00-X	6/23/98 Matthew Smith	Matthew Smith	Zero Length Reducer 4.50/2.75

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E980358-00-X	12/23/98 Helena Armandula	Mike Smith	2" Mirror, 45 Degrees, P Polarization
E980359-00-X	12/23/98 Helena Armandula	Mike Smith	2" Steering Mirror Assembly
E980363-00-X	12/30/98 Dennis Coyne	Mike Fine	SEI Bolts and Washers
E980364-00-X	12/30/98 Mike Fine	Mike Fine	HAM Isolation Stack Leg Assembly Pins and Screws
E980365-00-X	12/30/98 Mike Fine	Mike Fine	BSC Isolation Stack Leg Assembly Pins & Screws
E990003-00-X	1/ 7/99 Dennis Coyne	Mike Zucker	ISC Viewport
E990010-00-X	3/ 5/99 Dennis Coyne	Mike Fine	LIGO Isolation System Coil Spring Seat (Left Handed)
E990012-00-X	3/24/99 Dennis Coyne	Janeen Romie	LOS Chamfer Stop Screws, all fully threaded, silver plated, stainless steel screws with countebored tip (for flourel tip)
E990067-00-X	1/11/99 Janeen Romie	Janeen Romie	LOS FIXTURES: (#1) Stainless SHCS, 1/4-20x1.00 long; (#2) Stainless SHCS 1/2-13x1.25" long
E990068-00-X	1/11/99 Janeen Romie	Janeen Romie	(#1) LOS Clamp, Short; (#2) LOS Clamp, Long; (#3) Dumbbell Standoff; (#4) Washer, large OD, 1/4" screw size; (#5) Screw, SHCS 1/4-20x1.50" long
E990113-00-X	2/18/99 Janeen Romie	Janeen Romie	ALUM HARDWARE: 1) Dumbbell Standoff; 2) LOS Side Standoff, 3) Guide Rod
E990121-00-X	3/ 9/99 Janeen Romie	Janeen Romie	Flat #4 Washers
E990123-00-X	3/ 9/99 Dennis Coyne	Mike Fine	HAM Bellows

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E980239-00-X	9/10/98 Janeen Romie	Janeen Romie	LOS Height Adapters
E980265-00-X	10/ 5/98 Janeen Romie	Janeen Romie	LOS Height Adapters
E980279-00-X	10/ 8/98 David Tanner	David Tanner	Goniometer Bracket: Left, Right, Screws (sets)
E980290-00-X	10/27/98 Janeen Romie	Janeen Romie	Support Beam, Beam Weldment, Item No. 2 Only
E980297-00-X	11/ 6/98 Dennis Coyne	Matt Smith	Ven Valves (2-3/4" CF)
E980298-00-X	11/ 6/98 Dennis Coyne	Mike Fine	LIGO Isolation System Coil Spring Seat (Right Handed)
E980313-00-X	10/27/98 Janeen Romie	Janeen Romie	(#1) Alignment Fixture; (#2) Lift Table; (#3) Support Beam, less Beam Weldment, Item no. 2
E980344-00-X	12/ 1/98 Janeen Romie	Janeen Romie	(#1) LOS Structure Assembly; (#2) LOS2a Height Adapter BS 4k; (#3) LOS2b Height Adapter BS 2k; (#4) LOS3 Height Adapter FM
E980346-00-X	12/ 2/98 Janeen Romie	Janeen Romie	LOS Test Mass Fixture - Beamsplitter, Aluminum
E980347-00-X	12/ 7/98 Janeen Romie	Janeen Romie	Magnet
E980349-00-X	12/10/98 Janeen Romie	Janeen Romie/Jay Heefner	Sensor/Actuator Cables
E980351-00-X	12/15/98 Janeen Romie	Janeen Romie	LOS FIXTURES: (#1) Hand Wheels, (#2) Revolving Handle
E980357-00-X	12/23/98 Helena Armandula	Mike Smith	2" Mirror, 45 Degrees, S Polarization

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E980361-00-X	12/28/98 Janeen Romie	Janeen Romie	LOS FIXTURES: (#1) Plastic Knurled Head Thumb Screws, 1-32x1 1/2 (#2) Stainless Hex Head Screw, 1032x1 1/2 (#3) Stainless Socket Set Screw, Brass Tip, 1-32x3/8 (#4) Stainless Cupo Point Socket Set Screw, 10-32x1.00
E990130-00-X	3/12/99 Janeen Romie	Janeen Romie/Jay Heefner	Sensor/Actuator Head Assembly, SOS (short)

STATUS Initial

E980157-00-X	Dennis Coyne	Larry Jones	Part #633002-1000 D25-450-2 Dual 25 Pin 'D' Connectors Mounted on 4.5" DelSeal Flange
E980158-00-X	7/14/98 Dennis Coyne	Jay Heefner & Janeen Romie	(#1) LOS Sensor/Actuator Head Assembly (#2) SOS Sensor/Actuator Head Assembly
E980160-00-X	7/14/98 Dennis Coyne	Janeen Romie	Sensor/Actuator PAM Bracket
E980166-00-X	7/22/98 Dennis Coyne	Dennis Coyne	LIGO Isolation System Coil Spring Seat
E980168-00-X	7/22/98 Dennis Coyne	Janeen Romie	Magnet
E980184-00-X	7/22/98 Dennis Coyne	Janeen Romie	LOS Stainless Steel Parts: (#1)LOS suspension block; (#2) LOS clamp, suspension block; (#3) Winch Fixture; (#4) dowel pins, suspension block, 1/4 dia.x1/2; (#5) hex jack screw, #4-40 SS, accurate screw machine; (#6) nuts, lock &
E980222-00-X	5/15/98 Dennis Coyne	Dennis Coyne	LIOG Isolation System Coil Spring Seat
E980223-00-X	5/15/98 Dennis Coyne	Dennis Coyne	LIGO Isolation System Coil Spring Seat
E980225-00-X	5/20/98 Dennis Coyne	Janeen Romie & Dave Reitze	Magnet
E980226-00-X	5/27/98 Dennis Coyne	Dennis Coyne	LIGO Isolation System Coil Spring Seat

Process Traveler Status Report

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<i>STATUS</i>	<i>Partial</i>		
E980183-00-X	8/11/98 Dennis Coyne	Mike Zucker	Special Viewport, 10" OD Del-Seal Flange 8" view diameter zero-length fused quartz viewport with 635 nm AR coatings
E980233-00-X	8/26/98 Janeen Romie	Janeen Romie	(#1) Dowel pin, 416 stainless, 1/4" dia x 1/2" long; (#2) SHCS, stainless, 1/4-20 x 1.50; (#3) Flat washer, 1/4; (#4) lock washer, 1/4; (#5) flat washer, #4; (#6) lock washer, #4
E980244-00-X	9/ 9/98 Janeen Romie	Janeen Romie	LOS Fixtures
E980271-00-X	10/ 8/98 Janeen Romie	Janeen Romie	Washer, #4, White Teflon
E980276-00-X	10/14/98 Janeen Romie	Janeen Romie/Jay Heefner	Sensor/Actuator Cables
E980283-00-X	10/14/98 Dennis Coyne	Mike Fine	BSC Locating Pins
E980284-00-X	10/14/98 Mike Fine	Mike Fine	SSEI Stack Shim
E980296-00-X	11/ 6/98 Dennis Coyne	Mike Fine	LIGO Isolation System Coil Spring Seat (Left Handed)
E980299-00-X	11/10/98 Dennis Coyne	Mike Zucker	ISC Viewports: (#1) Viewport, 10" OD Del-Seal Flange (VP800) 5-3/8" zero-profile 7056 glass viewport with 1064 nm AR coating; (#2) Viewport, 10" OD Del-Seal Flange (VP800) 5-3/8" zero-profile 7056 Glass Viewport, Uncoated
E980329-00-X	11/ 9/98 Janeen Romie	Janeen Romie	(#1) Large Optic Suspension Structure Assembly - SN 001, First Article; (#2) Large Optic Suspension Structure Assembly - SN 002
E980332-00-X	11/10/98 Janeen Romie	Janeen Romie	(#1) Sensor/Actuator PAM Bracket, white teflon