

<u>California Institute of Technology</u> Massachusetts Institute of Technology

30373-00-E

Document Change Notice (DCN)			Sheet 1	of 2		
DOCUMENT No. TITLE (DOC-REV-GP.ID) DCN HEPI Quiet Hydraulic Actuator Assembly RI						
CHANGE DESCRIPTION (FROM/TO):						
D020367-В	Manifold Large Plug	Added broach for Standard 5/16 Allen Wrench Hex; Changed groove to fit size 15 O-ring (from size 16) to avoid slip during installation.				
D020285-B	Actuation Plate	edge; Added weld insert for bleed t	nised position of pin valve from .537 to .57 to avoid interference with inside ge; Added weld insert for bleed tube; Chamfered holes for tripod posts for sy installation and reduced diameter from .453 to .32 to fit 5/16 bolt.			
D020300-B	Manifold	Added weld insert for actuator bleed tube.				
D020371-B	Tripod Base	Reduced hole diameter from .453 to .32 to fit 5/16 bolt; Chamfered holes.				
D020371-B	Tripod Vertical Post	Tapered upper end for easy installation into tripod base; Reduced bolt diameter from 7/16 to 5/16 as suggested by Kern.				
D020359-B	Small Pin Valve	Extended length of pin valve from .776 to .826 to ensure sufficient seal; Added maximum broach depth to .150 as suggested by Kern.				
D020359-B	Actuator Plate Plug	Added broach for Standard 3/16 Allen Wrench Hex; Changed groove to fit size 11 O-ring (from size 12) to avoid slip during installation.				
ACTION:						
DISPOSITION OF HARDWARE (IDENTIFY SERIAL NUMBERS)		DC	DCN DISTRIBUTION			
☐ No hardware was affected (record change only):			Barish	Zucker	Coyne	
☐ List S/Ns which comply already:			Lazzarini Shoemaker	Lindquist	Sanders Tyler	
☐ List S/Ns to be reworked/scrapped: Weiss				Whitcomb	Matherny	
List S/Ns to be retested per this change:						
SAFETY, COST, SCHEDULE, REQUIREMENTS IMPACT? NO YES (If YES, enter CR (CCB) or TCP (TRB) #)						
	APPROVALS:	DATE OTHER APPROVALS (S	SPECIFY)		DATE	
ORIGINAT	OR: Hammond / Spjeld	7/16/03				
TASK LEA	DER: Kern					
GROUP LEADER: Mason		6/9/08				
DCC RELE	ASE:					



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CHANGE DESCRIPTION (FROM/TO):

Drawings Only

D020286-B Actuator Diaphram Removed flatness callout according to R/L by Kern.

D020291-B Top Bellow Slug & Cap Added missing dimension for thickness .250 for Cap.

D020293-B Bottom Bellow Slug & Cap Added missing dimension for thickness .250 for Cap.

D020300-B Manifold Added surface finish symbol and machining area for valve mount.

D020301-B Manifold Weld Caps Reduced dimensions from .XXX to .XX according to R/L by Kern.

D020302-B Bellows Shield Changed slit dimension from 0.005 to 0.015, optional wire EDM or

slitting saw according to R/L suggestion by Kern.

D020303-B Oil Catch Reduced dimensions from .XXX to .XX according to R/L by Kern.

D020284-B Actuator General View Updated list of drawings and referring sheet numbers.

For All Assembly Drawings:

Replaced callouts with part no., description and sheet no. with item no. balloons and bill of materials list.

D020286-B Actuator Exploded Assembly; D020360-B Bellows Sub-Assembly;

D020361-B Top Foundation Plate Assembly; D020362-B Bottom Foundation Plate Assembly;

D020363-B Side Foundation Plate Assembly; D020364-B Back Foundation Plate Assembly;

D020365-B Manifold Assembly; D020368-B Tripod Assembly.