SECTION II

WWW. GUBRICATION REQUIREMENTS NET

WWW.CHROMEHOOVES.NET

WWW.CHROMEHOOVES.NET

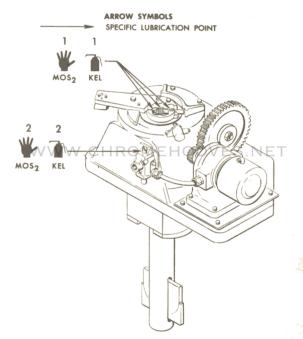
CAF	D NO.	WORK AREA	PUBLICATION NO	. AND DATE
1 .	-2	2В	T.O. 21M-HGM25	
WOR	K UNIT			CARD TIME
	CODE			00:15
CVIC	SUB-SYS AND	MISSILE SI	ILO	POWER X OFF
SYS	COMP	INSPECTION	NO. 90 DAY REQ	ON
V	VWW		AS ENDICATED ON SING TABLE FOR RE	
			F LUBRICANT.	FERENCE
		TAUNCHER 1	PLATFORM LOCKING	SYSTEM
		- 4	to the second se	
BA	91A	1. VERTIC	CAL LOAD LOCKS (	/AFB)
		a. (1)	Roller shaft, to	otal
		y <del>d</del> i mara ya hake	four places.	•
		b. (2)	Indexing finger	
			and plunger, to four places.	cai
1	77 8 77 8 7	CHBOK	IEHOOVES.	NIET
Y		CHRON	TEHOUVES.	IN E.A
		1 3		
				e de la companya del companya de la companya del companya de la co
V	VWW	CHRON	MEHOOVES.	NET
		1. 1 1. 1 1. 1 1. 1 1. 1 1. 1 1. 1 1.		alia Salari

#### LUBRICATION SYMBOLS

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
MOS <sub>2</sub>	MIL-L-7866A	MOLYBDENUM
\ <u>K</u> ÉL\/\\\\	OF#BROME	DISULFIDE POWDER
		PURPOSE, LIGHT

# APPLICATION SYMBOLS





# WWW.CHROMEHOOVES.NET

SYSTEM VERTICAL LOAD LOCKS

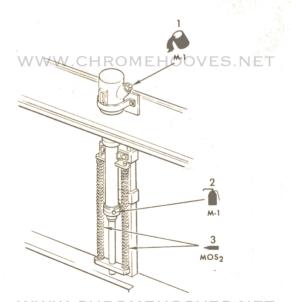
	RD NO. 2-3	WORK AREA 2A	PUBLICATION NO T.O. 21M-HGM25 8 May	
1	K UNIT			CARD TIME 00:20
SYS	AND COMP		NO. 90 DAY REQ	POWER X OFF
	V VV VV	LUBRICATE OF CARD US TO TYPE OF	AS INDICATED ON ING TABLE FOR RE	BACK SIDE FERENCE
ВВ	290	1. LAUNCH	SSOCIATED EQUIPMER PLATFORM UPPER MECHANISMS	
		a. (1)	Four hydraulic muntil sight gage approximately has fluid level, tot four places.	indicates
V	vww	CHROM	Four hydraulic of (10A1A1CY129, 101A1A1CY138, 10 total four place IEHOOVES. Eight guide rode eight places.	DA1A1CY136, DA1A1CY131),
				70 -
				9
V	VWW	CHROM	TEHOOVES.	NET

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
M-1	UCON M-1	HYDRAULIC FLUID,
WWW	CHROME	NON-FLAMMABLE HOOVES NE
MOS <sub>2</sub>	MIL-L-/800A	MOLYBDENUM DISULFIDE,

# APPLICATION SYMBOLS



ARROW SYMBOLS
SPECIFIC LUBRICATION POINT



CRIB/AND/ ASSOCIATED/EQUIPMENT\LAUNCHER= T
PLATFORM UPPER BUFFER MECHANISMS

	NO. 2-4	WORK AREA 2B	PUBLICATION NO T.O. 21M-HGM25 8 May	. AND DATE 6A-6-1WC-1PE 7 1964
1	K UNIT			CARD TIME 00:30
SYS	SUB-SYS AND COMP	MISSILE SI	LO NO. 90 DAY REQ	POWER X OFF
V	V VV VV	LUBRICATE OF CARD US	AS INDICATED ON ING TABLE FOR RE	
ВВ	190	LAUNCHER P	LATFORM DRIVE SY	STEM
ВВ	19Q	1. CABLE	TENSION EQUALIZE	ER (VAFB)
			hydraulic cylind al two places.	lers,
V	VWW	CHROM	IEHOOVES.	NET
				N. I. T.
V	V VV VV	CHRON	IEHOOVES.	NEI

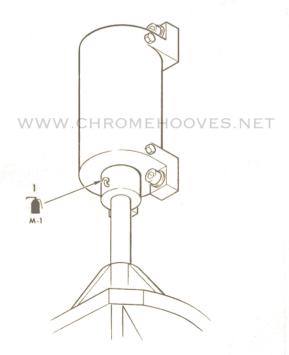
M-1 UCON M-1 HYDRAULIC FLUID,	SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
NONE FLAMMA BLE	M-1	UCON M-1	HYDRAULIC FLUID,
NON-FLAMMABLE			NON-FLAMMABLE

**APPLICATION SYMBOLS** 



CAN

ARROW SYMBOLS
SPECIFIC LUBRICATION POINT

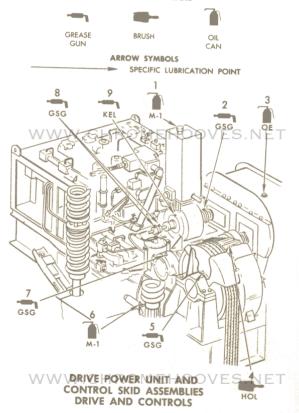


CABLE TENSION EQUALIZER (VAFB)

	RD NO.	WORK AREA 2B	PUBLICATION NO. AND DATE T.O. 21M-HGM25A-6-1WC-1PE 8 May 1964
	K UNIT		CARD TIME 00:20
SYS	SUB-SYS AND COMP	MISSILE SI	DO POWER OFF
		OF CARD US	AS INDICATED ON BACK SIDE SING TABLE FOR REFERENCE F LUBRICANT.
ВВ	170	DRIVE POWE	ER UNIT AND CONTROL SKID
		1. DRIVE	AND CONTROLS
		a. (1)	Hydrotarder reservoir, total one place.
		b. (2)	High speed flexible shaft coupling, total two places.
		c. (3)	Speed reducer (Falk unit), total one place.
V	/WW.	CHRGW	Helical sears, total
		e. (5)	Drive pully shaft bearings, total four places.
		f. (6)	Front spring capsule lock, hydraulic cylinders (10A3- AlCY903 and 10A3AlCY907), total two places.
		g. (7)	Hydrotarder flexible shaft coupling, total one place.
		h. (8)	Pillow block bearings, total four places.
		i. (9)	Hydrotarder bearings, total two places.
V	/WW.	CHROM	EHOOVES.NET
7			
<b>7</b>	R C	-20	

LOBRICATION 31	MBOLS
SPECIFICATION	TYPE OF LUBRICATION
UCON M-1	HYDRAULIC FLUID,
MIL-L-2104A GRADE 50	OIL, LUBRICATING, HEAVY DUTY
HALOCARBON 25-20M-5A	GREASE, GENERAL PURPOSE, HEAVY LOAD
MIL-G-7118	GREASE, AIRCRAFT GEAR AND ACTUATOR
KEL-F-90	GREASE, HEAVY DUTY
	SPECIFICATION UCON M-1 HROME MIL-L-2104A GRADE 50 HALOCARBON 25-20M-5A MIL-G-7118

# APPLICATION SYMBOLS



CAR	D NO. 2-6	WORK AREA 2B	PUBLICATION NO T.O. 21M-HGM25 8 May	. AND DATE A-6-1WC-1PE 1964
	KUNIT			CARD TIME 00:20
	ODE			00:20
SYS	SUB-SYS AND COMP	MISSILE SI	LO NO.90 DAY REQ	POWER SOFF
\\	V WW	CHRON	HEHOUVES.	NET
		OF CARD US	AS INDICATED ON ING TABLE FOR RE LUBRICANT.	
			Note	
			following tasks y to VAFB.	do not
BB	170	LAUNCHER P	LATFORM DRIVE SY	STEM
ВВ	17A	1. DRIVE LOCKS.	BASE TO SILO WAL	L REAR
		a. (1)	Hydraulic cylind A1CY901 and 10A3 total two places	BA1CY902),
V	VVVV	CHR3	Lever Bin v total	two places.
1		c. (3)	Clevis pin, tota places.	al two
		d. (4)	Link pin, total	two places.
		e. (5)	Cap, total two p	olaces.
V	VVVV	CHRON	MEHOOVES.	NET

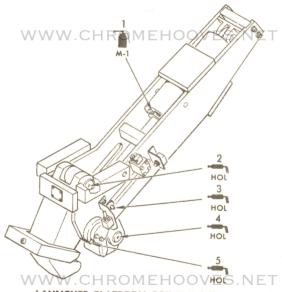
SPECIFICATION	TYPE OF LUBRICATION
CHOOK WIN E	HYDRAUNC FLUID, NE
HALOCARBON 25-20M-5A	GREASE, GENERAL PURPOSE, HEAVY LOAD
	CUCOR M-1V E

# APPLICATION SYMBOLS



ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



LAUNCHER PLATFORM DRIVE SYSTEM DRIVE BASE TO SILO WALL REAR LOCKS

1	RD NO. 2-7	WORK AREA 2B	PUBLICATION NO T.O. 21M-HGM25 8 May	. AND DATE A-6-1WC-1PE 1964
	K UNIT			CARD TIME 00:15
SYS	SUB-SYS AND COMP	MISSILE SI	NO.90 DAY REQ	POWER OFF ON
	W VV VV	LUBRICATE OF CARD US	AS INDICATED ON SING TABLE FOR RE LUBRICANT.	BACK SIDE
			Note	
			following tasks y to VAFB.	do not
ВВ	170	LAUNCHER F	PLATFORM DRIVE SY	STEM
ВВ	17A		RWEIGHT LIFTING	AND
		a. (1)	Guide rods, tota	al eight
_	VVVV		Hydraulic cylind AlCY322 and 10A3 total two place:	BA1CY329),
				100
	vww	CHRON	MEHOOVES	NET
		J. John		

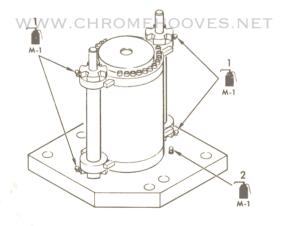
#### LUBRICATION SYMBOLS

SYMBOL	SPECIFICATION		TYPE OF LUBRICATION	
M-1	UCON	M-1	HYDRAULIC FLUID	
\\/\\\/\\	CHR	OM	HON-FLAMMABLE	J # 7

#### APPLICATION SYMBOLS



# ARROW SYMBOLS SPECIFIC LUBRICATION POINT



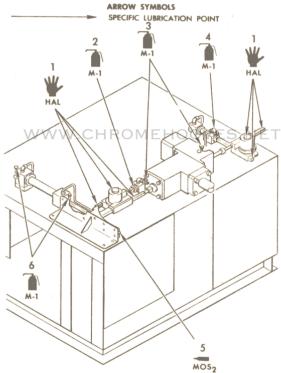
VVVV LAUNCHER PLATFORM DRIVE ES.NET SYSTEM COUNTERWEIGHT LIFTING AND LOCKING MECHANISM

CAR	D NO.	WORK AREA	PUBLICATION NO	AND DATE
	2-8	2B T.O. 21M-HGM25		6A-6-1WC-1PE 7 1964
WOR	KUNIT		CARD TIME	
	CODE			00:20
0370	SUB-SYS AND	MISSILE S	ILO	POWER X OFF
SYS	COMP	INSPECTIO .CHRO	N NO. 90 DAY REQ	ON
	V V V V V	LUBRICATE OF CARD U	AS INDICATED ON SING TABLE FOR RIF LUBRICANT.	BACK SIDE
ВВ	170	LAUNCHER	PLATFORM DRIVE S	YSTEM
ВВ	17A	1. DRIVE	AND CONTROLS	
		a. (1)	Rack and pinio blies, total s	n assem- ix places.
		ъ. (2)	Hydraulic cyli CY264), total	
Barrier C. Scriptor		c. (3)	Deceleration v VA260), total	
	vww	d. (4) Hydraulic cylinder (10A CY263), total one place		
		e. (5) Back side of cam sword cam sword bracket, tot two places.		
		f. (6)	) Hydraulic cyli CY265), total	
	WWW	CHRO	MEHOOVES	.NET

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
M-1	UCON M-1	HYDRAULIC FLUID, NON-FLAMMABLE
VVHAV VV	HALOCARBON E 25-10M-5A	H GREASE, GENERAN E PURPOSE, NORMAL LOAD
MOS <sub>2</sub>	MIL-L-7866A	MOLYBDENUM DISULFIDE POWDER

# APPLICATION SYMBOLS





VWW.CHROMEHOOVES.NET
LAUNCHER PLATFORM DRIVE SYSTEM
DRIVE AND CONTROLS

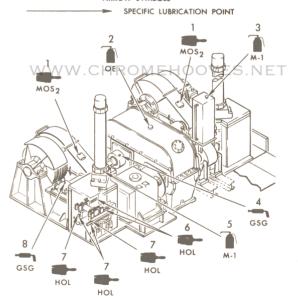
CARD NO. 2-9	WORK AREA	PUBLICATION NO T.O. 21M-HGM25A 8 May	-6-1WC-1PE
WORK UNIT			CARD TIME 00:20
SYS AND COMP	CHRON LUBRICATE OF CARD US	NO. 90 DAY REQ	
вв 170		PLATFORM DRIVE SY	<u>YSTEM</u>
		RWEIGHT LIFTING NG MECHANISM (VAI	
	a. (1)	Drive pully, to places.	tal two
	b. (2)	Speed reducer (1 total one place	
	c. (3)	Hydrotarder resetotal one place	
WWW	CHRON	Flexible coupling two places. ES	ng, total NET
	e. <b>(</b> 5)	Hydraulic cyline erweight lift) 322 and 10A3A1C two places.	(10A3A1CY-
	f. (6)	Rack and pinion assembly, total places.	
	g. (7)	Support fork sl assembly, total places.	
	h. (8)	Pillow block be total two place	
	CHRON	MEHOOVES.	NET

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION				
M-1 VV VV VV	UCON M-1 CHROM	HYDRAULIC FLUID,				
OE	MIL-L-2104 GRADE 50	OIL, LUBRICATING, HEAVY DUTY				
MOS <sub>2</sub>	MIL-L-7866A	MOLYBDENUM DISULFIDE POWDER				
G\$G	MIL-G-7118	GREASE, AIRCRAFT GEAR AND ACTUATOR				
HOL	HALOCARBON 25-20M-5A	GREASE, GENERAL PURPOSE, HEAVY LOAD				

# APPLICATION SYMBOLS



# ARROW SYMBOLS



W LAUNCHER PLATFORM DRIVE SYSTEMS . NET COUNTERWEIGHT LIFTING AND LOCKING MECHANISM

CAI	RD NO. 2-10	WORK AREA 2B	PUBLICATION NO T.O. 21M-HGM25 8 May	AND DATE A-6-1WC-1PE 1964
WOR	K UNIT			CARD TIME
	CODE	, .		00:20
SYS	SUB-SYS AND	MISSILE SI	LO	POWER X OFF
313	COMP	INSPECTION	NO. 90 DAY REQ	ON ON
1	V VV VV	LUBRICATE	AS INDICATED ON	BACK
			RD USING TABLE F TO TYPE OF LUBRI	
ВВ	250	CRIB LOCKI	NG SYSTEM	
ВВ	25A	1. INCLIN	ED LOCK ASSEMBLY	7
		a. (1)	Four hydraulic of (10AlALCY1204, 11205, 10AlAlCY11AlCY1207), totaplaces.	LOA1A1CY 206, 10A
\	IV VV VV	CHRON	/IEHOOVES.	NEI
		100		
	\/\ <u>\</u> /\\/\	CHRON	MEHOOVES.	NET
· '	* * * * * * *	. OTTINON		111-1

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
M-1	UCON M-1	HYDRAULIC FLUID,
WWW	CHROMI	HON FLAMMABLE

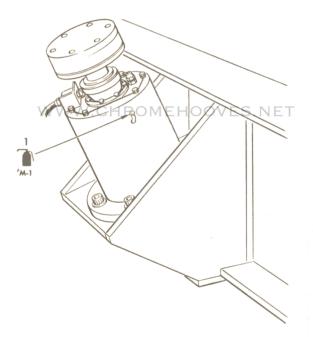
#### **APPLICATION SYMBOLS**



OIL CAN

#### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



WWW.CHROMEHOOVES.NET

CRIB LOCKING SYSTEM INCLINED LOCK ASSEMBLY

6035L44A

	RD NO. 2-11	WORK AREA 2B	PUBLICATION NO T.O. 21M-HGM25 8 May	
	K UNIT			
SYS	SUB-SYS AND COMP		NO. 90 DAY REQ	POWER SOF
V	Y - Y Y - Y Y .	OF CARD US	AS INDICATED ON ING TABLE FOR RE LUBRICATION	
вв	190	LAUNCHER P	LATFORM DRIVE SY	STEM
ВВ	19Q	(LAFB	TENSION EQUALIZE 724TH/725TH SQDN BAFB, LAFB, MHAF	,
			Four guide rods, eight places.	total
		b. <b>(</b> 2)	Two hydraulic cy (10A1A1CY528, 10CY529), total twplaces.	A1A1
V	VWW	CHROM	TEHOOVES.	NET
V	vww	.CHROM	ÆHOOVES.	NET
	± 55.			

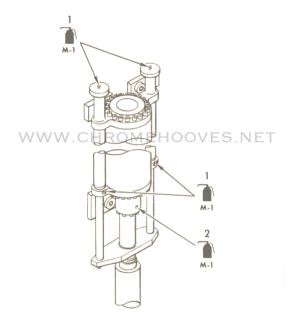
SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
M-1	UCON M-1	HYDRAULIC FLUID,
	WALLDOW	NON-FLAMMABLE
VV VV V	V.CHROM	EHUUVES.NE
	APPLICATION SY	MBOLS



OIL

#### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



WWW.CHROMEHOOVES.NET
LAUNCHER PLATFORM DRIVE SYSTEM
CABLE TENSION EQUALIZERS

6035L45A

CAF	RD NO. 2-12	WORK AREA 2B	PUBLICATION NO T.O. 21M-HGM25 8 May	. AND DATE 5A-6-1WC-1PE 7 1964	
WOR	WORK UNIT CODE			CARD TIME	
				00:20	
SYS	SUB-SYS AND	MISSILE SI	ILO	POWER X OFF	
	COMP		NO. 90 DAY REQ	ON	
\	V VV VV	LUBRICATE OF CARD US	AS INDICATED ON SING TABLE FOR REF LUBRICANT.		
BA	890	LAUNCHER 1	PLATFORM LOCKING	SYSTEM	
BA	89A	1. LATERA	AL LOAD LOCKS		
		a. (1)	Four wedges, tot four places.	tal	
		b. (2)	Four hydraulic of (10A1A1CY488, 1010A1A1CY500, 10A1A1CY500, 10A1A1CY50	OA1A1CY489, A1A1CY506),	
\	VWW	CHRO	MEHOOVES.	NET	
,	N/\A/\A/	CHRON	MEHOOVES.	NET	
,	V V V V V		VILITOUV LO.		
被				A SA	

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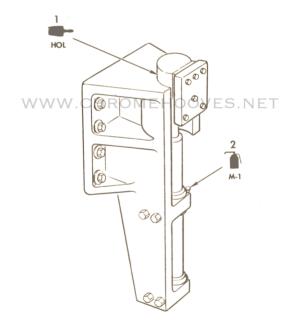
SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
M-1	UCON M-1	HYDRAULIC FLUID, NON-FLAMMABLE
//HØ[////	CHALOCARBON 25-20M-5A	GREASE, GENERAL PURPOSE, HEAVY LOAD

#### APPLICATION SYMBOLS



ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



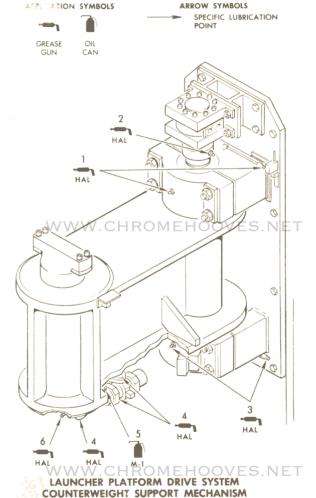
# WWW.CHROMEHOOVES.NET LAUNCHER PLATFORM LOCKING SYSTEM LATERAL LOAD LOCKS

6035L5A

CARD NO. 2-13		WORK AREA	PUBLICATION NO T.O. 21M-HGM25	AND DATE A-6-1WC-1PE
1	K UNIT		0 Hay	CARD TIME 00:10
SYS	SUB-SYS AND COMP		LO NO. 90 DAY REQ	POWER X OFF
	VVVV	LUBRICATE	AS INDICATED ON SING TABLE FOR RE	BACK SIDE FERENCE TO
ВВ	170	LAUNCHER E	PLATFORM DRIVE SY	STEM
ВВ	17T 17V	1. COUNTE (VAFB)	ERWEIGHT SUPPORT	MECHANISM
		a. (1)	Upper bearing cablock, total for	
		b. (2)	Motor coupling, two places.	total
		c. (3)	Lower bearing cablock, total for	
V	VWW	d. <b>(</b> 4) .CHRON	Rod end bearing cylinder trunnisix places.	and on total
		e. (5)	Hydraulic cylin (10A3A3CY646 an 10A3A3CY647), t two places.	d
		f. (6)	Bayonet shaft r two places.	otor, total
-				
1 2				
\	VWW	CHRON	MEHOOVES	NET

#### LUBRICATION SYMBOLS

SYM	BOL	SPECIFIC	CATION	TYPE	OF LUBI	RICATION	
HA	L	HALOC 25-10M			SE, GEN	ERAL RMAL LOA	D
M-	1 / VV VV	исон СН	m-1 ROM		AULIC FL		1ET



	RD NO.	WORK AREA 2C 2J	PUBLICATION NO T.O. 21M-HGM25		
	K UNIT				
SYS	SUB-SYS AND COMP	111001111	SILO NO. 90 DAY REQ	POWER X OFF	
\	WWW	OF CARD 1	E AS INDICATED OF USING TABLE FOR INDICANT.		
ВВ	190	CRIB AND	ASSOCIATED EQUI	PMENT	
ВВ	19X	1. DECE	LERATION CYLINDE	RS	
		a. (1	) Guide shafts. two places.	total	
		b. (2)	Hydraulic cylin (10A1A2CY266 an 10A1A2CY267), two places.	nd	
\	VWW	.CHRON	MEHOOVES.	NET	
	**				
	VWW		.CHROMEHOOVES		
	3 11 752 -			7.	

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
HAL	25-10M-5A	GREASE, GENERAL PURPOSE, NORMAL LOAD
\M\1\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	M CM-MPPD.	HYDRAULIG FLUIDS . NET

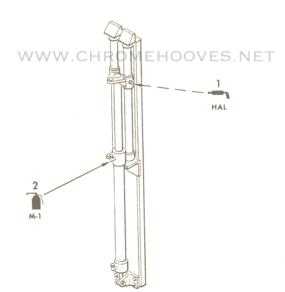
#### APPLICATION SYMBOLS



#### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT

SPECIFIC LUBRICATION POINT PLUS IDENTICAL POINT OR POINTS NOT SHOWN



# WWW.CHROMEHOOVES.NET

CRIB AND ASSOCIATED EQUIPMENT DECELERATION CYLINDERS

6035L46A

CARD NO. 2-15 WORK UNIT CODE		WORK AREA 2D	PUBLICATION NO T.O. 21M-HGM25 8 May	
				CARD TIME 00:10
SYS	SUB-SYS AND COMP	112002111 01	MISSILE SILO INSPECTION NO. 90 DAY REQ	
	VVV LUBRICATE AS INDICATED ON OF CARD USING TABLE FOR RI TO TYPE OF LUBRICANT.			
		LAUNCHER P	PLATFORM DRIVE SY	STEM
BA	89A	(LAFB	RAIL LATCHES 724TH/725TH SQDN LAFB, MHAFB)	, EAFB,
		a. <b>(</b> 1)	Four aligning rated total eight place	
		b. (2)	Four hydraulic of (10A3A2CY1699, 10A3A2CY1700, 10A3A2CY1702), to four places.	LOA3A2 71701,
	WWV	V.CHRO	MEHOOVES	5.NET
WWW.CHROMEHOOVES.N		KIET		

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
M-1 WWWWW HOL	UCON M-1 CHROM HALOCARBON 20-20M-5A	HYDRAULIC FLUID, NON-FLAMMABLE GREASE, GENERAL PURPOSE, HEAVY LOAD

ARROW SYMBOLS APPLICATION SYMBOLS SPECIFIC LUBRICATION POINT BRUSH CAN 1 VES.NET HOL M-1

LAUNCHER PLATFORM DRIVE SYSTEM STUB RAIL LATCHES

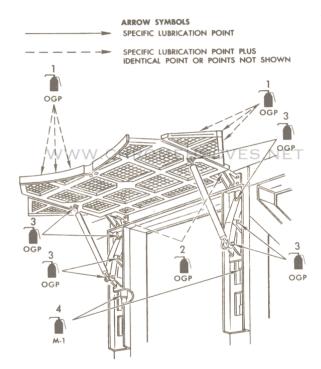
CAH	RD NO. 2-16	WORK AREA 2D	PUBLICATION NO T.O. 21M-HGM25A 8 May	-6-1WC-1PE
	K UNIT			CARD TIME 00:12
SYS	SUB-SYS AND COMP		LO I NO. 90 DAY REQ	POWER X OFF
	WWW		AS INDICATED ON SING TABLE FOR RE F LUBRICANT.	
		CRIB AND A	ASSOCIATED EQUIPM	ENT
BA	830	1. MAINTE	NANCE PLATFORM 1	
		a. (1)	Side leaf hinges total 18 places.	
		b. (2)	Platform hinges, six places.	total
		c. (3)	Pivot pins, tota places.	1 24
dissiplication for the control of th	www		Six hydraulic cy (910A1A2CY585, 1 NOA1A2CY591, 1.04 10A1A2CY593, 10A total six places	OA1A2CY590, 1A2CY592, 1A2CY594),
	WWW	CHRO	MEHOOVES	.NET

#### LUBRICATION SYMBOLS

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
M-1	UCON M-1	HYDRAULIC FLUID, NON-FLAMMABLE
OGP/// \//	MIL-1-7870 V	GENERAL PURPOSE

#### APPLICATION SYMBOLS





# WWW.CHROMEHOOVES.NET

CRIB AND ASSOCIATED EQUIPMENT MAINTENANCE PLATFORM 1

CARD NO. 2-17		WORK AREA 2E 2H	PUBLICATION NO. T.O. 21M-HGM254 8 May	
	K UNIT		j o nay	CARD TIME 00:08
SUB-SYS SYS AND COMP		TILOULIL 01	LO N NO. 90 DAY REQ	POWER X OFF
	WWW LUBRICATE AS INDICATED ON OF CARD USING TABLE FOR RETO TYPE OF LUBRICANT.		SING TABLE FOR RE	
		CRIB AND A	ASSOCIATED EQUIPM	ENT
BA	830	1. MAINT	ENANCE PLATFORM 2	AND 5
		a. (1)	Side leaf hinges total 42 places.	,
		b. (2)	Platform hinges, 14 places.	total
		c. (3) Pivot pins, tota		1 21
	d. (4) Seven hydraulic (10A1A3CY748, 10 10A1A3CY750, 10A 10A1A6CY855, 10A and 10A1A6CY857) seven places.		A1A3CY749, 1A3CY751, 1A6CY856,	
4				- 13 A
	V VV V	CHROI	MEHOOVES.	NET
· ·				

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
M-1	UCON M-1	HYDRAULIC FLUID, NON-FLAMMABLE
OGAM	/ . Milt:17870 N	(GENERAL PURPOSE)

#### APPLICATION SYMBOLS

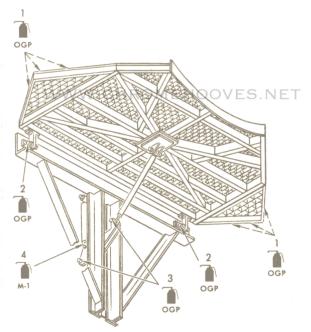


CAN

#### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT

SPECIFIC LUBRICATION POINT PLUS IDENTICAL POINT OR POINTS NOT SHOWN



CRIB AND ASSOCIATED EQUIPMENT ES. NET

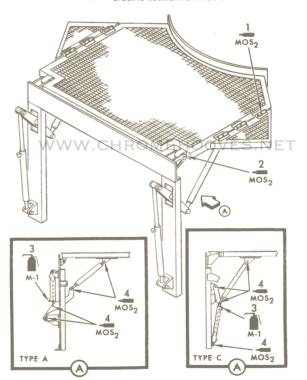
CAF	RD NO. 2-18	WORK AREA 2F 2G	T.O. 21M-HGM25	
	K UNIT	-		CARD TIME 00:20
SYS	SYS AND COMP INSPECTION NO. 90 DAY REQ		POWER X OFF ON	
OF CARD USING TABLE FOR REFERENCE TO TYPE OF LUBRICANT.			BAÇK SIDE EFERENCE	
			ASSOCIATED EQUIP	
BA	830	1. MAINT	ENANCE PLATFORM	3 and 4.
		a. (1)	Side leaf hinge 48 places.	s, total
		b. (2)	Platform hinge 16 places.	pins, total
	www	c. (3) Hydraulic cylinders (10A1A4CY709, 10A1A 10A1A4CY711, 10A1A4 10A1A4CY942, 10A1A5 10A1A5CY788, 10A1A5 10A1A5CY790), total		0A1A4CY710, A1A4CY712, A1A5CY787, A1A5CY789, cotal nine
	d. (4) Pivot pins, total		al 36 places.	
	WWW	V.CHRC	MEHOOVES	S.NET

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
MOS <sub>2</sub>	MIL-L-7866A	MOLYBDENUM DISULFIDE POWDER
W/IV/VV	. UCON ROM	HYDRAULIC FLUID . N

APPLICATION SYMBOLS

OIL DRY

ARROW SYMBOLS
SPECIFIC LUBRICATION POINT



 $\bigvee$  CRIB, AND ASSOCIATED EQUIPMENT S.  $\bigvee$  ET

CAI	RD NO. 2-19	WORK AREA 2J	PUBLICATION NO T.O. 21M-HGM25 8 May	. AND DATE A-6-1WC-1PE 1964		
	RK UNIT			CARD TIME 00:10		
SYS	SUB-SYS AND	MISSILE SI	E SILO POWER SOFF			
	COMP	INSPECTION	NO. 90 DAY REQ	ON		
1	WWW	OF CARD US	AS INDICATED ON SING TABLE FOR RE LUBRICANT.			
KA	200	RP-1 FUEL	SYSTEM			
KA	25A	1. FUEL U	INLOADING PUMP (I	?-111)		
KA	25B	a. (1)	Motor bearings, two places.	total		
KA	25C	2. FUEL I	LINE DRAIN PUMP	NE DRAIN PUMP (P-112)		
KA	25D	b. (1)	Motor bearings, two places.	total		
	WWW	.CHRON	MEHOOVES	NET		
ON IN COMPANY						
e de la companya de l						
40						
1	WWW a	CHRON	MEHOOVES	NET		
•						
	1					

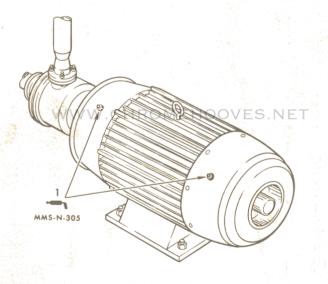
SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
	MMS-N-305	GREASE, LUBRICATING
WWW	CHROM	LOX COMPATIBLE EHOOVES.N

APPLICATION SYMBOLS

GREASE GUN

ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



FUEL UNLOADING PUMP (P-111)
FUEL LINE DRAIN PUMP (P-112)

6035L20A

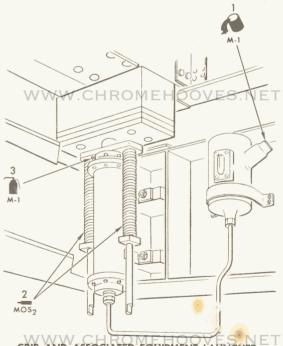
	RD NO. 2-20	WORK AREA	PUBLICATION NO T.O. 21M-HGM25 8 May	. AND DATE A-6-1WC-1PE 1964	
	K UNIT			CARD TIME 00:20	
SYS	SUB-SYS AND COMP	MISSILE SILO INSPECTION NO. 90 DAY REQ		POWER OFF ON	
	WWW	LUBRICATE OF CARD US TO TYPE OF	EFERENCE		
вв	290	1. LAUNCHER PLATFORM LOWER BUFFER MECHANISM			
		<ul> <li>a. (1) Hydraulic reservoir until sight gage indicates full.</li> <li>b. (2) Gui rods, total eight</li> </ul>			
	WWW	*	Four hydraulic (10A1A8CY122, 10A1A8CY126, 10A1A8CY126, 10A1A8CY126, 10A1ABCY126, 10	OA1A8CY124, A1A8CY128),	
	26-36				
	W WW	(.CHRO	MEHOOVES	.NET	

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
M-1	UCON M-1	HYDRAULIC FLUID, NON-FLAMMABLE
WMOS <sub>2</sub> W.	CHILE7886ME	MOLYBOENUES. NE

#### APPLICATION SYMBOLS



ARROW SYMBOLS
SPECIFIC LUBRICATION POINT



CRIB AND ASSOCIATED EQUIPMENT LAUNCHER PLATFORM LOWER BUFFER MECHANISM

	CAF	CARD NO. 2-21 WORK AREA PUBLICATION NO. 2.1M-HGM254 8 May			A-6-1WC-1PE	
The second second		K UNIT			CARD TIME 00:20	
	SYS	SUB-SYS AND	MISSILE SI	MISSILE SILO		
	COMP		INSPECTION	NO. 90 DAY REQ	☑ OFF	
	LUBRICATE AS INDICATED ON OF CARD USING TABLE FOR RETO TYPE OF LUBRICANT.					
			LAUNCHER E	PLATFORM SYSTEM		
	ВВ	15B	1. WATER	SPRAY SYSTEM		
			a. (1) Hydraulic cylinders (10A2A2CY165 and 10A2A2CY170), total four places.			
			b. (2)	Hydraulic cylind bearings, total places.		
	1//	/\\/\\/		Hydraulic cylind bearings, total placesOVES.	two	
	¥	V V V V V	CITICON	praces V LO.		
		100				
4						
	V	/WW.	CHROM	IEHOOVES.	NET	
		1				

#### LUBRICATION SYMBOLS

	TODRICK HOLL 31	MBOL3
SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
M-1	UCON M-1	HYDRAULIC FLUID,
MOS <sub>2</sub>	MIL-L-7866A	MOLYBDENUM DISULFIDE POWDER

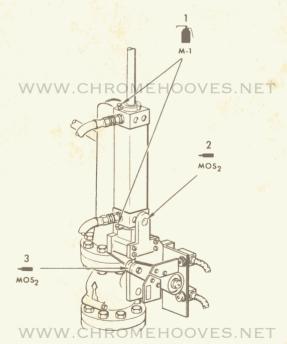
APPLICATION SYMBOLS

OIL CAN

DRY

ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



LAUNCHER PLATFORM SYSTEM WATER SPRAY SYSTEM

			William & Palm		
	CAF	2-22	WORK AREA 3B	PUBLICATION NO. AT.O. 21M-HGM25A-6	-1WC-1PE
-	A			8 MAY 19	ARD TIME
V		CODE	00:06		
S	YS	SUB-SYS AND	PROPELLANT TERMINAL POWER SOFT		
	- V	COMP			
			LUBRICATE OF CARD US	AS INDICATED ON BAC ING TABLE FOR REFER LUBRICANT.	
K.	I	100	PROPELLANT	LOADING SYSTEM	
KA	I	19J		PUMPS (P-702, P-70 UBCOOLER)	3)
K.	A	19K	a. (1)	Motor bearings, tot	al al
		4.		two places.	
			Andrew Control		
	V	/	CHRON	IEHOOVES.NE	ET
	V	/WW	CHROM	IEHOOVES.NE	ΞT
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
		## * ## * * * * * * * * * * * * * * * *			

#### LUBRICATION SYMBOLS

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
www.	MMS-N-212A EMROME	LOX COMPATIBLE OIL

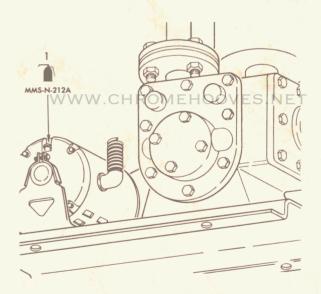
APPLICATION SYMBOLS



CAN

ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



WWW.CHROMEHOOVES.NET

PROPELLANT LOADING SYSTEM VACUUM PUMPS (P-702, P-703)

CAF	RD NO. 2-23	WORK AREA PUBLICATION NO. AND DATE T.O. 21M-HGM25A-6-1WC-1 8 May 1964		
1	K UNIT		1 0 112)	CARD TIME 00:04
SYS	SUB-SYS AND COMP	THOI DIDING	TERMINAL NO. 90 DAY REQ	POWER X OFF
<u></u>	VVVV	LUBRICATE OF CARD US	AS INDICATED ON SING TABLE FOR RUF LUBRICANT.	
KA	100	PROPELLAN	LOADING SYSTEM	
KA	19G		M PUMP (P-701) (I GE TANK)	LOX
KA	19H	a. (1)	Motor bearings, one place.	total
V	VWW	CHROM	TEHOOVES.	NET
V	VWW	CHRON	ÆHOOVES.	NET
ا نو				

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
	MMS-N-212A	LOX COMPATIBLE OIL,
WWW	CHROM	E FLOUROCARBONS NE

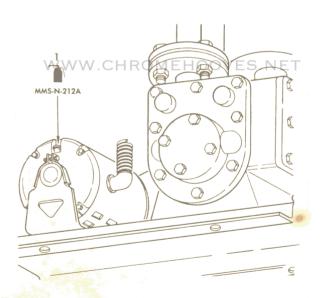
## APPLICATION SYMBOLS



CAN

#### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



## WWW.CHROMEHOOVES.NET

PROPELLANT LOADING SYSTEM VACUUM PUMP (P-701)

CARD NO. 2-24	WORK AREA PUBLICATION NO 10D 10E T.O. 21M-HGM25. 10C 10F VAFB 8 May		
WORK UNIT		CARD TIME 00:45	
SUB-SYS SYS AND COMP	ANTENNA TERMINAL INSPECTION NO 90 DAY REQ	POWER X OFF	
	LUBRICATE AS INDICATED ON BACK SIDE OF CARD USING TABLE FOR REFERENCE TO TYPE OF LUBRICANT.		
	ANTENNA PROTECTING AND ELE SET OA-2901/GRW-5	VATING	
MH 210	1. UP-LOCK ASSEMBLY		
	a. (1) Support brackets three places.	, total	
	b. (2) Connecting link, three places.	total	
	c. (3) Link arms, total places.	13	
WWW	d. (4) Adjusting bracke	ts, NET	
	e. (5) Pivot brackets, 12 places.	total	
WWW	CHROMEHOOVES.	NET	
	7		

#### LUBRICATION SYMBOLS

	SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
	GSG	MIL-G-7118	GREASE, AIRCRAFT GEAR AND ACTUATOR
W	WW.C	HROM	SCREW OVES.

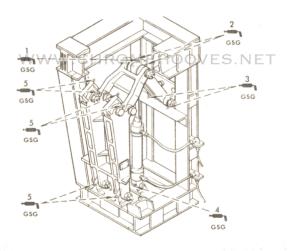
#### APPLICATION SYMBOLS

GREASE

GREASE GUN

#### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT PLUS IDENTICAL POINT OR POINTS NOT SHOWN



## WWW.CHROMEHOOVES.NET

ANTENNA PROTECTING AND ELEVATING SET OA-2901/GRW-5 UP-LOCK ASSEMBLY

CAR	D NO. 2-25	WORK AREA PUBLICATION NO 10D 10E T.O. 21M-HGM25 10C 10F VAFB 8 May	. AND DATE A-6-1WC-1PE 1964	
	K UNIT ODE		CARD TIME 00:45	
SYS	SUB-SYS AND A GOMP A	ANTENNA TERMINAL  INSPECTION NO. 90 DAY REQ	POWER X OFF	
	/V3V\$/A/V	LUBRICATE AS INDICATED ON OF CARD USING TABLE FOR RETO TYPE OF LUBRICANT.  ANTENNA PROTECTING AND ELESET OA-2901/GRW-5	BACK SIDE FERENCE	
MH	23A	1. DOOR DRIVE CYLINDER AS	SSEMBLY	
		<ul> <li>a. (1) Upper mounting clevis, total four places.</li> </ul>		
	,	b. (2) Top 0-ring seal lubricator, tota places.	al four	
		c. (3) Lower mounting total four place		
\	VVVV	.CHROMEHOOVES	.NET	
	VWW	CHROMEHOOVES	.NET	

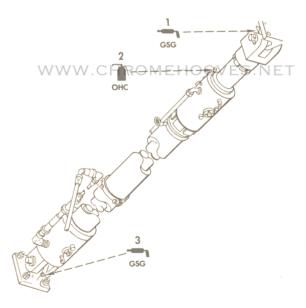
SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
OHC VVVVV	. CHROM	PRESERVATIVE OIL.
GSG	MIL-G-7118	GREASE, AIRCRAFT GEAR AND ACTUATOR

#### APPLICATION SYMBOLS



#### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT PLUS IDENTICAL POINT OR POINTS NOT SHOWN



ANTENNA PROTECTING AND ELEVATING SET

OA-2901/GRW-5

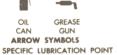
DOOR DRIVE CYLINDER ASSEMBLY

	1			
	RD NO. -26	WORK AREA PUBLICATION NO T.O. 21M-HGM25		A-6-1WC-1PE
		8 May		
WOR	KUNIT			CARD TIME
	CODE			00:20
SYS	SUB-SYS AND	MISSILE SI	LO	POWER X OFF
212	\\COMP\\	INSPECTION	NO. 90 DAY REQ	NET ON
		LUBRICATE	AS INDICATED ON	BACK SIDE
			SING TABLE FOR RE	EFERENCE
		TO TYPE OF	LUBRICANT.	
		CLOSURE DO	OOR SYSTEM	
ВВ	210	1. CLOSUE	RE DOOR ASSEMBLY	
		(1)	m - to - fort	-114
		a. (1)	Two bracket assetotal four place	
		b. (2)	Two rod end bear	ringe
		b. (2)	total two places	
			•	
		c. (3)	Silo door beari	ng, total
			four places.	
d. (4) Hydraulic cylinder		Hydraulic cylin	ders	
1	V VV VV	10A3A1CY208), total		ota1
			two places.	
		(5)	e. (5) Four breakaway cylinders	
		e. (5) Four breakaway cylinde (10A3A1CY185, 10A3A1CY		
			10A3A1CY206, 10	A3A1CY207).
			total four plac	es.
		,		
	-			
1				
\	W VV VV	W CHROMEHOOVES.NET		.NEI

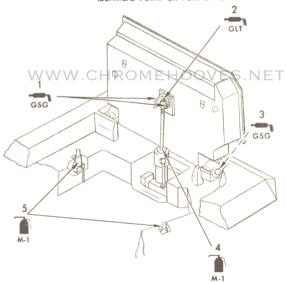
l

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION		
G\$G \\\\\\\\\	MIL-G-7118A CHROMI	GREASE, AIRCRAFT GEAR		
GLT	MIL-G-3278	GREASE, AIRCRAFT AND INSTRUMENT HIGH AND LOW TEMPERATURE		
M-1	UCON M-1	HYDRAULIC FLUID, NON-FLAMMABLE		

#### APPLICATION SYMBOLS



SPECIFIC LUBRICATION POINT PLUS IDENTICAL POINT OR POINTS NOT SHOWN



## WWW.CHROMEHOOVES.NET

CLOSURE DOOR SYSTEM CLOSURE DOOR ASSEMBLY

1	CAT	D NO.	WORK AREA	DUDITCATION NO	AND DATE
		CARD NO. WORK AREA PUBLICATION NO T.O. 21M-HGM25 8 May			
	LIOP	KUNIT			CARD TIME
		CODE			00:20
	SYS	SUB-SYS AND			POWER X OFF
		COMP	INSPECTION	NO. 90 DAY REQ	ON
		/V VV VV	OF CARD US TO TYPE OF	AS INDICATED ON SING TABLE FOR REFILED TO LUBRICANT.	
	ВВ	148	1. MISSII MECHAN	LE SUPPORT AND RI	ESTRAINING
			a. (1)	Missile support total 24 places	mechanism,
			b. (2)	Support pin, to eight places.	tal
	-	~	c. (3)	c. (3) Jack screw support four places.  d. (4) Jack screw (when CHROMinstalled), total four places.	
		VVVV	d. (4) .CHROM		
			e. (5)	st . four	
		VWW	CHRO	.NET	
		61,			

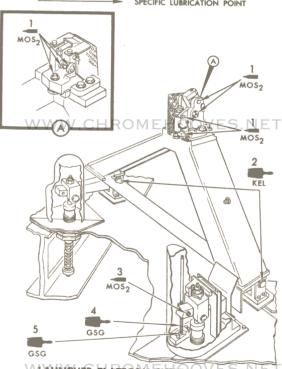
SYMBOL	SPECIFICATION	TYPE OF LUBRICATION			
MOS <sub>2</sub>	MIL-L-7866A	MOLYBDENUM			
KEI VVVVV	.CHROME	HISULFIDE POWER NE			
KEL	KEL-F-90	GREASE, HEAVY DUTY			
GSG	MIL-G-7118	GREASE, AIRCRAFT			
		GEAR AND ACTUATOR			

#### APPLICATION SYMBOLS



#### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



VLAUNCHER PLATFORM SYSTEM MISSILE SUPPORT AND RESTRAINING MECHANISM

	RD NO. 2-28	WORK AREA 6A	PUBLICATION NO T.O. 21M-HGM25 8 May	
WORK UNIT				CARD TIME 00:20
SYS	AND COMP	CONTROL CE	NO.180 DAY REQ	POWER  OFF
	/V VV VV	OF CARD US	AS INDICATED ON SING TABLE FOR RE F LUBRICANT.	
		MISSILE GU	JIDANCE SET AN/GE	RW-5
MD	220		-GENERATOR PU-489	9/GRQ-7
		a. (1)	Two motor bearing four places.	ngs, total
		b. (2)	Two coupling fit total two places	
		c. (3)	Two generator be total four place	
\	VWW	CHRO	MEHOOVES	.NET
		E. &.		
	VWW	.CHRO	MEHOOVES	.NET
		1		

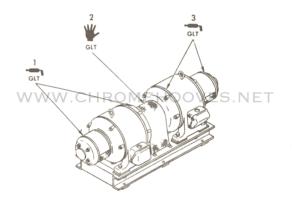
	SYMBOL	SPECIFICATION	TYPE OF LUBRICATION	7
	GLT	MIL-G-3278	GREASE, AIRCRAFT AND	1
V	/WW.C	HROME	INSTRUMENT (FOR LOW	NET
			TEMPERATURES)	

#### APPLICATION SYMBOLS



#### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



WWW.ssile guidance/set an/grw-3/ES.NET MOTOR-GENERATOR PU-489/GRQ-7, UNITS 42, 43

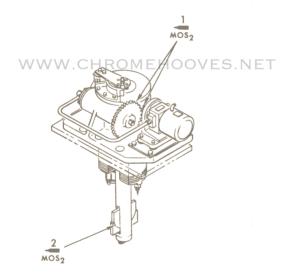
CARD NO. 2-29		WORK AREA 2B	PUBLICATION NO T.O. 21M-HGM25 8 May	A-6-1WC-1PE
	K UNIT			CARD TIME 00:20
SYS	SUB-SYS AND COMP		ILO NO.180 DAY REQ	POWER X OFF
		LUBRICATE AS INDICATED ON BACK SIDE OF CARD USING TABLE FOR REFERENCE TO TYPE OF LUBRICANT.		
BA	91A	1. VERTIC	CAL LOAD LOCKS (	/AFB)
			Gears, total for Four self-align: total eight place	ing blocks,
V	/ W W .	CHROM	TEHOOVES.	NET
V	/WW.	CHROM	IEHOOVES.	NET

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION	
MOS <sub>2</sub>	MIL-L-7866A	MOLYBDENUM	
	V.CHRON	DISULFIDE OVES.N	

APPLICATION SYMBOLS

DRY

ARROW SYMBOLS
SPECIFIC LUBRICATION POINT



WWW.CHROMEHOOVES.NET LAUNCHER PLATFORM LOCKING SYSTEM VERTICAL LOAD LOCKS

CARD NO. 2-30		WORK AREA 2B	PUBLICATION NO T.O. 21M-HGM25	. AND DATE A-6-1WC-1PE 7 1964
	K UNIT			CARD TIME 00:20
SYS	SUB-SYS AND COMP	LITOSTIE ST	LO NO. 180 DAY REQ	POWER X OFF
	/V VV VV	CHROI LUBRICATE	VEHOOVES AS INDICATED ON SING TABLE FOR RE	
ВВ	170		PLATFORM DRIVE SY	
		1. COUNTE	ERWEIGHT TO DRIVE	E BASE
		a. (1)	Four hydraulic of (10A3A1CY897, 1010A3A1CY899, 10A10tal four place	DA3A1CY898, A3A1CY900),
		b. (2) Lock pins and upp bearing blocks, four places.		
\	vww			two NET
		-:		
	www.chromehooves.ne			
\			.NET	

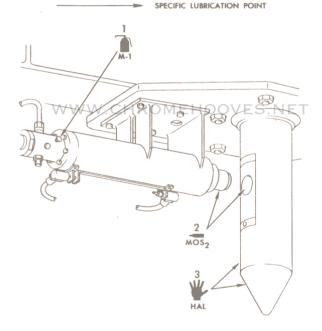
#### LUBRICATION SYMBOLS

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
M-1	UCON M-1	HYDRAULIC FLUID, NON-FLAMMABLE
HAL VV VV	HALOCARBON/ 25-10M-5A	PURPOSE, NORMAL LOAD
MOS <sub>2</sub>	MIL-L-7866A	MOLYBDENUM DISULFIDE POWDER

#### APPLICATION SYMBOLS



### ARROW SYMBOLS



COUNTERWEIGHT TO DRIVE BASE LOCKS

WORK AREA 2L	PUBLICATION NO. AND DATE T.O. 21M-HGM25A-6-1WC-1PE 8 May 1964	
RK UNIT CODE		CARD TIME 00:20
		POWER X OFF
LUBRICATE OF CARD US TO TYPE OF	BACK SIDE	
		SION
a. (1)	Pivot pin, total eight places.	L
b. (2)	Bushings, total eight.	
c. (3) Hydraulic cylinders (10A2A2CY293, 10A2A2 10A2A2CY395, 10A2A2CY3		OA2A2CY394, A2A2CY396),
		.NET
	MISSILE SI INSPECTION CHRO LUBRICATE OF CARD US TO TYPE OI  LAUNCHER I  1. FLAME CYLINI a. (1) b. (2) c. (3) CHRO d. (4)	MISSILE SILO  INSPECTION NO. 180 DAY REQUESTION TO 180 DAY REQUESTION OF CARD USING TABLE FOR RESTORY TO TYPE OF LUBRICANT.  LAUNCHER PLATFORM SYSTEM  1. FLAME DEFLECTOR EXTENSICAL Eight places.  b. (2) Bushings, total eight.  c. (3) Hydraulic cyling (10A2A2CY293, 10A2A2CY293, 10A2A2CY293, 10A2A2CY395,

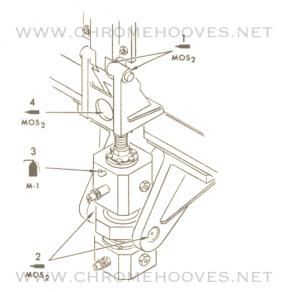
#### LUBRICATION SYMBOLS

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
MOS <sub>2</sub>	MIL-L-7866A CHROMI	MOLYBDENUM  DISULFIDE POWDER
M-1	UCON M-1	HYDRAULIC FLUID, NON-FLAMMABLE

#### APPLICATION SYMBOLS



ARROW SYMBOLS
SPECIFIC LUBRICATION POINT



LAUNCHER PLATFORM SYSTEM FLAME DEFLECTOR EXTENSION CYLINDER

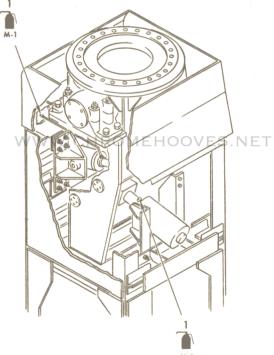
CARD 2-	NO. -32	WORK AREA 2L	PUBLICATION NO T.O. 21M-HGM25 8 May	
WORK CO		DE		CARD TIME 00:10
SYS	UB-SYS AND COMP		LO NO.180 DAY REQ	POWER OFF
	/ VV VV	LUBRICATE OF CARD US TYPE OF LU	BACK SIDE EFERENCE TO	
		UMBILICAL	SYSTEM	
ВВ	14H	1. TOWER	TILTING MECHANIS	SM
		a. (1)	Hydraulic cylind (10A2A1CY100 and 10A2A1CY110), to two places.	1
W	/ \/ \/\	.CHROI	MEHOOVES	.NET
	/WW	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MEHOOVES	NET

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION	
M-1 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	.CHROM	HYDRAULIC FLUID	Т

#### APPLICATION SYMBOLS



## ARROW SYMBOLS SPECIFIC LUBRICATION POINT



## WWW.CHROMEHOOVES.NET

UMBILICAL SYSTEM
TOWER TILTING MECHANISM

	RD NO. 2-33	WORK AREA		M-HGM25	. AND DATE A-6-1WC-1PE 1964
WOR	KUNIT				CARD TIME
	CODE			-	00:20
SYS	AND COMP	PROPELLANT INSPECTION	NO.180 I	DAY_REQ	POWER OFF
V	<i>V</i>	LUBRICATE OF CARD US TO TYPE OF	ING TABLE	TED ON FOR RE	
		PROPELLANT	LOADING	SYSTEM	
KA	159	1. CONTRO	L VALVES		
			Nineteen nineteen		
	/\\/\\/	CHROM	FHOO	VES	VIET
	Y Y Y Y Y .	CITICON	LIIOO	V LO.	<b>V</b> L I
V	VVVV.	CHROM	ЕНОО	VES.	NET

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
	MMS-N-305	GREASE, LUBRICATING,
\/\/\/\	CHROM	LOX COMPATIBLE

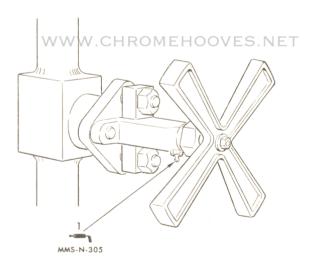
#### APPLICATION SYMBOLS

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GREASE GUN

#### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



# WWW.CHROMEHOOVES.NET PROPELLANT LOADING SYSTEM CONTROL VALVES

	RD NO. 2-34	WORK AREA 4C	PUBLICATION NO T.O. 21M-HGM25 8 May	
1	K UNIT		CARD TIME 00:10	
SYS	AND COMP	EQUIPMENT INSPECTION	TERMINAL NO. 180 DAY REQ	POWER OFF ON
<u>V</u>	V VV VV	OF CARD US	AS INDICATED ON FING TABLE FOR RE LUBRICANT.	
NA		LAUNCH CON	TROL FACILITIES	
NC	100	1. MISSII A/F 32	E AIR CONDITIONE C-5	ER
		a. (1)	Motor, total one	place.
				`
V	/WW.	CHRON	IEHOOVES.	NET
	-			
V	/ W W .	CHROM	IEHOOVES.	NET
				<u>.</u>

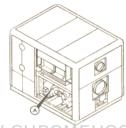
SYMBOL	SPECIFICATION	TYPE OF LUBRICATION		
	MIL-L-15719A	GREASE, SILICONE		
WWW.C	HROM	ELECTRIC MOTOR	NI	ЕΤ

#### APPLICATION SYMBOLS

COLLAPSIBLE TUBE

#### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



## WWW.CHROMEHOOVES.NET



WWW. LAUNCH CONTROL FACILITIES VES. NET

6035L54A

CAF	RD NO. 2-35	WORK AREA 11A	PUBLICATION NO T.O. 21M-HGM25 8 May	AND DATE A-6-1WC-1PE
	K UNIT			CARD TIME 00:02
SYS	SUB-SYS AND COMP	FUEL STORA	POWER X OFF	
	/V VV V\	LUBRICATE	AS INDICATED ON SING TABLE FOR RE	BACK SIDE
KA	200	RP-1 FUEL	SUB-SYSTEM	
KA	210	1. CONTRO	OL VALVES (MHAFB)	)
		a. (1)	Four type N <sub>2</sub> value total four place	lves, es.
7	VWW	.CHROI	MEHOOVES	.NET
1	WWW	CHRO!	MEHOOVES	.NET

#### **LUBRICATION SYMBOLS**

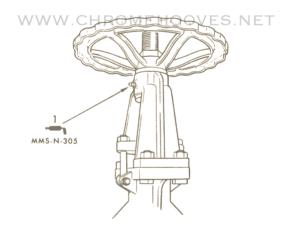
SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
× .	MMS-N-305	GREASE, LUBRICATING
WWW	.CHROM	EHOOVES. NI

#### APPLICATION SYMBOLS



#### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



WWW.CHROMEHOOVES.NET

**CONTROL VALVES** 

6035L56B

	RD NO. 2-36	WORK AREA 11A	PUBLICATION NO T.O. 21M-HGM25 8 May	. AND DATE A-6-1WC-1PE 1964
	K UNIT CODE			CARD TIME 00:02
SYS	SUB-SYS AND COMP		GE AREA NO.180 DAY REQ	POWER OFF
	// VV V\		AS INDICATED ON ING TABLE FOR REUBRICANT.	The state of the s
KA	200	RP-1 FUEL	SUB-SYSTEM	34
KA-	210		L VALVES (LAFB ) SQDN, EAFB, BAFI	
	*.	a. (1)	Four N <sub>2</sub> valves, four places.	total
And the Control of th				
	WWW	.CHROI	MEHOOVES	NET
\$				
	WWW	CHRO	MEHOOVES	NET.
	1 d	300		

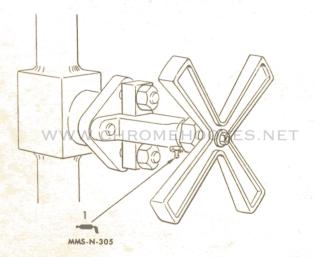
SYMBOL	SPECIFICATION	TYPE OF LUBRICATION	
	MMS-N-305	GREASE, LUBRICATING, LOX	
WWV	V.CHRO	I COMPATIBLE VES. N	E

APPLICATION SYMBOLS

GREASE

ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



WRP-1 FUEL SUBSYSTEM CONTROL VALVES ET

	RD NO. -37	WORK AREA 11A	PUBLICATION NO T.O. 21M-HGM25 8 MAY	. AND DATE A-6-1WC-1F 1964
WOR	K UNIT		×.	CARD TIM
	CODE			00:30
	SUB-SYS	FUEL STORA	AGE AREA	POWER
SYS	AND COMP	INSPECTION	NO. 180 DAY REQ	
VV	VV VV .	OF CARD US	AS INDICATED ON SING TABLE FOR REF LUBRICANT.	BACK SIDE EFERENCE
KA	200	RP-1 FUEL	SUB-SYSTEM	
KA	210	1. CONTRO	OL VALVES	
		a. (1)	Four valves, to	tal four
V	WW.	CHROM	EHOOVES.	NET
		,		
	4			
V	WW.	CHROM	EHOOVES.I	NET

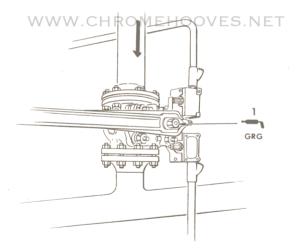
SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
GRG	mil-G-6032A /.CHRON	GREASE, PLUG VALVE, GASOLINE ANDES. NE

# APPLICATION SYMBOLS

GREASE GUN

ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



VRP-WHUEL SUBSYSTEM/CONTROL VALVES . NET

	RD NO. 2-38	WORK AREA PUBLICATION NO. AND DATE OF T.O. 21M-HGM25A-6-1WC 8 May 1964		A-6-1WC-1PE
	K UNIT			CARD TIME 00:10
sys	SUB-SYS AND COMP	INSPECTION LUBRICATE OF CARD US	ANTENNA TERMINAL  INSPECTION NO. 360 DAY REQ  LUBRICATE AS INDICATED ON BACK SIDE OF CARD USING TABLE FOR REFERENCE TO TYPE OF LUBRICANT.	
МН	320	1 ETHYLE	TAL SEAL HEATING THE GLYCOL PUMP Motor bearings,	
			Pump bearing, to place.  Flow control val	
T 20			one place.	
V	/	CHROM	IEHOOVES.	NEI
V	/WW.	CHROM	IEHOOVES.	NET

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
WWW	MIL-L-2104A SAE-20 .CHROM MIL-L-2104A SAE-50	LUBRICATING OIL INTERNAL COMBUSTION ENGINE HEAVY DUTY LUBRICATING OIL, INTERNAL COMBUSTION ENGINE, HEAVY DUTY
GRG	MIL-G-6032A	GREASE, PLUG VALVE, GASOLINE AND OIL RESISTANT

#### **APPLICATION SYMBOLS**



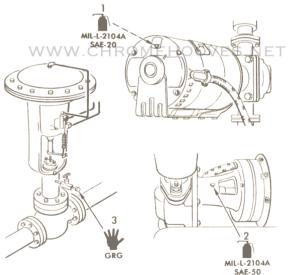


OIL CAN

#### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT

SPECIFIC LUBRICATION POINT PLUS IDENTICAL POINT OR POINTS NOT SHOWN



ENVIRONMENTAL SEAL HEATING SYSTEMS . NET

6035L55A

-							
	NO39		DE	PUE T.O.	LICAT 21M-	HGM25A	. AND DATE -6-1WC-1PE Lay 1964
	KUNIT	100 1	01	VALD		0 1.	CARD TIME
(	CODE		, ,				00:20
SYS	SUB-SYS AND COMP	ANTEN INSPECT				AY REO	POWER OF
V	/ VV VV .	LUBRIO SIDE	CATI OF (	E AS CARD	INDIC	CATED C	N BACK FOR BRICANT.
MH	100	ANTEN SET O				G AND E	LEVATING
		1. E	LEC'	TRIC	HOIS	T ASSE	MBLY
		a.	(1)		oil p		to level otal one
		ь.	(2)		oort l		, total
V	/WW.	CHRC	M	EΗ	00	VES.	NET
	9						
· //	WW.	CHRC	M	ЕН	00	VES.	NET

#### LUBRICATION SYMBOLS

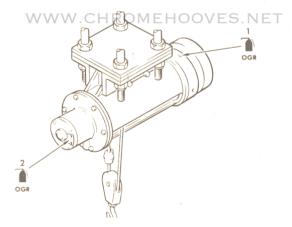
	SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
	OGR	MIL-L-6086	LUBRICATING OIL,
k	/\\/\\/	CHROM	LUBRICATING GEAR

APPLICATION SYMBOLS



ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



ANTENNA PROTECTING AND ELEVATING SETS. NET OA-2901/GRW-5 ELECTRIC HOIST ASSEMBLY

6035L23A

CARD NO. 2-40		WORK AREA PUBLICATION NO 10D 10E T.O. 21M-HGM25 10C 10F VAFB 8 May	A-6-1WC-1PE
WORK UNIT			CARD TIME 00:05
SYS	SUB-SYS AND COMP	ANTENNA TERMINAL INSPECTION NO. 360 DAY REQ	POWER OFF
Y	V VV VV	LUBRICATE AS INDICATED ON OF CARD USING TABLE FOR RE TO TYPE OF LUBRICANT.	BACK SIDE FERENCE
MH	100	ANTENNA PROTECTING AND ELE SET OA-2901/GRW-5	VATING
		1. WEDGE GATE VALVE. a. (1) Valve, total one	e place.
		varie, cours	
	//\//\//	CHROMEHOOVES.	NET
		TOTAL TOTAL S.	
\	VWW	CHROMEHOOVES.	NET

.

#### LUBRICATION SYMBOLS

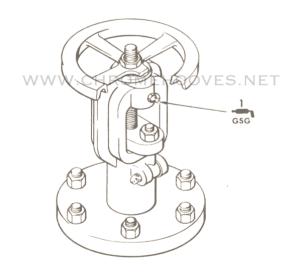
SYMBOL SPECIFICATION	TYPE OF LUBRICATION
GSG MIL-G-7118	GREASE, AIRCRAFT
WWW.CHROM	GEAR AND ACTUATOR

# APPLICATION SYMBOLS

GREASE

#### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



ANTENNA PROTECTING AND ELEVATING SET NET OA-2901/GRW-5 WEDGE GATE VALVE

	CAI	RD NO.	WORK AREA PUBLICATION NO	. AND DATE	
100	7.4	2-41	10D 10E T.O. 21M-HGM25	6A-6-1WC-1PE	
			10C 10F VAFB 8 May	7 1964	
	WOR	K UNIT		CARD TIME	
	(	CODE		00:05	
		CIID_eve	ANTENNA TERMINAL	POWER	
	SYS	AND	MILIUM IIICIMI	X OFF	
	515	COMP	INSPECTION NO. 360 DAY REQ	ON	
100		YVVV.	LUBRICATE AS INDICATED ON	BACK STDE	
			OF CARD USING TABLE FOR REFERENCE		
			TO TYPE OF LUBRICANT.		
		September 1			
			ANTENNA PROTECTING AND ELI	EVATING	
			<u>SET OA-2901/GRW-5</u>		
	MH	14D	1. HYDRAULIC HIGH PRESSU	DE DIMD	
	PHA	140	1. HIDRAULIC HIGH FRESSUI	AL FUME	
			a. (1) Motor bearings,	total	
		14.4	two places.		
			b. (2) Coupling, total	one	
			place.		
	d ye				
	V	WW.	CHROMEHOOVES.	NET	
		10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
		1			
	5 N.				
	127				
	100				
	s 3				
		3			
	100				
		1000			
		A. C.			
		VA EL ST			
	V	VV VV .	CHROMEHOOVES:	NEI	
		1			
	200				
	1000				

#### LUBRICATION SYMBOLS

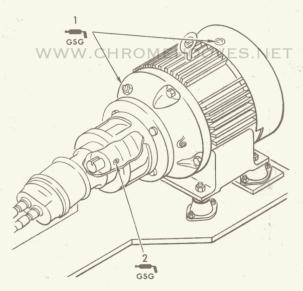
SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
GSG	MIL-G-7118	GREASE, AIRCRAFT GEAR AND ACTUATOR
WWW.	CHROM	EHOOVES.NET
	14 to 1 to 1 to 1	

APPLICATION SYMBOLS

GREASE GUN

ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



ANTENNA PROTECTING AND ELEVATING SET ET OA-2901/GRW-5 HYDRAULIC HIGH PRESSURE PUMP

	CAF	RD NO. 2-42	WORK AREA PUBLICATION NO 10D 10E T.O. 21M-HGM25	. AND DATE A-6-1WC-1PE 1964
		K UNIT		CARD TIME 00:45
	SYS	AND COMP	ANTENNA TERMINAL INSPECTION NO. 360 DAY REQ	POWER OFF ON
A CONTRACTOR OF THE PARTY OF TH		V VV VV	LUBRICATE AS INDICATED ON OF CARD USING TABLE FOR RETO TYPE OF LUBRICANT.  ANTENNA PROTECTING AND ELECTION AN	FERENCE
	МН	340	SET OA 2901/GRW-5  1. CRIB SUSPENSION	
Charles and the Control		370	a. (1) Guide rod bushir total 24 places	ngs,
			total 24 process	
		*		the state of
	\	VWW	.CHROMEHOOVES	NET
	\	VWW	CHROMEHOOVES	NET

### WWW.CHROMEHOOVES.NET

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
GSG	MIL-G-7118	GREASE, AIRCRAFT GEAR AND ACTUATOR

APPLICATION SYMBOLS



ARROW SYMBOLS

SPECIFIC LUBRICATION POINT PLUS
IDENTICAL POINT OR POINTS NOT SHOWN

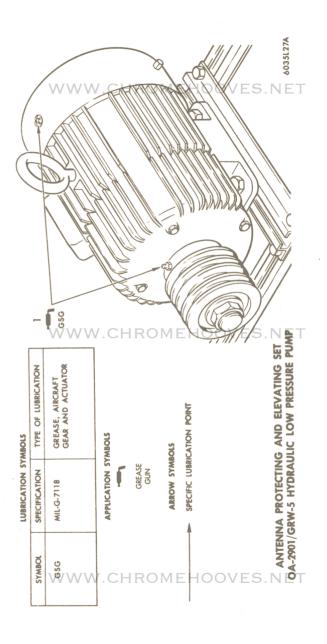


ANTENNA PROTECTING AND ELEVATING SET OA-2901/GRW-5 CRIB SUSPENSION

WWW.CHROMEHOOVES.NET

6035L26A

CARD NO. 2-43	WORK AREA   PUBLICATION NO. AND DATE 10D 10E   T.O. 21M-HGM25A-6-1WC-1PE 10C 10F VAFB 8 May 1964
LIODIZ LINITA	CARD TIME
WORK UNIT	00:05
	YS ANTENNA TERMINAL POWER
SYS AND COME	
VVVVV	
	OF CARD USING TABLE FOR REFERENCE
	TO TYPE OF LUBRICANT.
	ANTENNA PROTECTING AND ELEVATING
	SET 0A-2901/GRW-5
MH 130	1. HYDRAULIC LOW PRESSURE PUMP
7.5	a. (1) Motor bushings, total two places.
2.1	
	A later
14/14/1	V CHROMEHOOVES.NET
2 V V V V	VICINOVILITOOVES.IVET
De .	
33	
100	
	A A
	. V Ž
-	
WWV	V.CHROMEHOOVES.NET



CARD NO. 2-44		WORK AREA PUBLICATION NO. AND DATE 10D 10E T.O. 21M-HGM25A-6-1WC-1PE 10C 10F VAFB 8 May 1964
	K UNIT	CARD TIME 00:10
SYS	SUB-SYS AND COMP	ANTENNA TERMINAL POWER  INSPECTION NO.360 DAY REQ ON
ME	100	LUBRICATE AS INDICATED ON BACK SIDE OF CARD USING TABLE FOR REFERENCE TO TYPE OF LUBRICANT.  MISSILE GUIDANCE SET AN/GRW-5  1. MISSILE TRACKING ANTENNA- RECEIVER-TRANSMITTER GROUP OA-2896A/GRW-5
		a. (1) Top cam roller, total 12 places.
		b. (2) Outer rubber seal, total two places.
	VVVV	CHROMEHOOVES.NET
V	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	CHROMEHOOVES.NET

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
GLT VV VV VV	MIL-G-3278 .CHROMI	GREASE, AIRCRAFT AND INSTRUMENTS (FOR LOW AND HIGH TEMPERATURES)
	DC-33	GREASE, SILICONE (LIGHT)

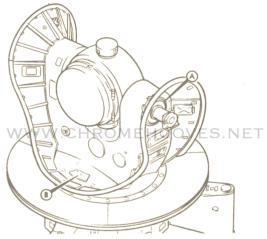


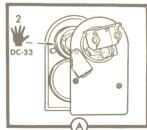
GREASE GUN

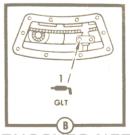


#### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT PLUS IDENTICAL POINT OR POINTS NOT SHOWN







WWW.SILE GUIDANCE SET ANGRW-5. NET MISSILE TRACKING ANTENNA-RECEIVER-TRANSMITTER GROUP OA-2896A/GRW-5

CARD NO. 2-45	10D 10E T.O. 21M-HGM25A-6-1WC-1PE
	10C 10F VAFB 8 May 1964
WORK UNIT	CARD TIME 00:10
SYS AND	
COME	/ CHROWEHOOVES NET
******	LUBRICATE AS INDICATED ON BACK SIDE OF CARD USING TABLE FOR REFERENCE TO TYPE OF LUBRICANT.  ANTENNA PROTECTING AND ELEVATING SET OA-2901/GRW-5
	SE1 0A-2901/GRW-3
MH 180	1. GUARD RAIL INSTALLATION
	a. (1) Plunger, total four places.
	b. (2) Pin and lever release mechanism, total eight places.
10/10/10	V.CHROMEHOOVES.NET
V V V V	V.CIROWEITOOVES.NET
WWW	V.CHROMEHOOVES.NET
	April .
,	

#### LUBRICATION SYMBOLS

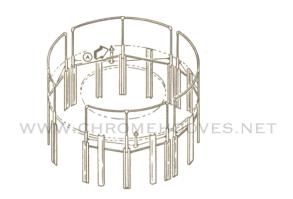
SYMBOL	SPECIFICATION	TYPE OF LUBRICATION	
OGP	MIL-L-7870	LUBRICATING OIL (GENERAL PURPOSE	
WWW.	CHRON	LOW TEMPERATURE)	.NET

APPLICATION SYMBOLS



#### ARROW SYMBOLS

- - SPECIFIC LUBRICATION POINT PLUS IDENTICAL POINT OR POINTS NOT SHOWN





WWW.CHROMEHOOVES.NET

ANTENNA PROTECTING AND ELEVATING SET OA-2901/GRW-5 GUARD RAIL INSTALLATION

6035L29

	, , , , , , , , , , , , , , , , , , ,		
CARD NO. 2-46		WORK AREA PUBLICATION NO. AND DATE 10D 10E T.O. 21M-HGM25A-6-1WC-1PE 10C 10F VAFB 8 May 1964	
	K UNIT	CARD TIME 00:10	
SYS	SUB-SYS AND COMP	ANTENNA TERMINAL POWER OFF	
V	VVVV	LUBRICATE AS INDICATED ON BACK SIDE OF CARD USING TABLE FOR REFERENCE TO TYPE OF LUBRICANT.	
		MISSILE GUIDANCE SET AN/GRW-5	
ME	100	1. MISSILE TRACKING ANTENNA- RECORDER-TRANSMITTER GROUP OA-2896A/GRW-5	
		a. (1) Elevation drive gear, total one place.	
		b. (2) Azimuth drive gear, total one place.	
V	VWW	CHROMEHOOVES.NET	
V	VVVV	CHROMEHOOVES.NET	

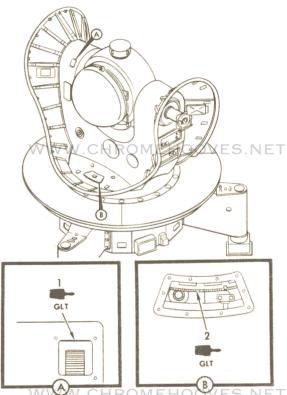
SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
GLT VV VV VV	MIL-G-3278 /.CHROM	GREASE, AIRCRAFT AND INSTRUMENTS (FOR LOW AND HIGH TEMPERATURES)

### APPLICATION SYMBOLS



#### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



MISSILE GUIDANCE SET AN/GRW-5

MISSILE TRACKING ANTENNA-RECEIVER-TRANSMITTER
GROUP OA-2896A/GRW-5

CARD NO. 2-47	WORK AREA PUBLICATION NO. AND DATE 10D 10E T.O. 21M-HGM25A-6-1WC-1PE 10C 10F VAFB 8 May 1964
WORK UNIT CODE	CARD TIME 00:15
SUB-SYS SYS AND COMP	ANTENNA TERMINAL POWER SOFF
	LUBRICATE AS INDICATED ON BACK SIDE OF CARD USING TABLE FOR REFERENCE TO TYPE OF LUBRICANT.
ME 100	MISSILE GUIDANCE SET AN/GRW-5  1. MISSILE TRACKING ANTENNA- RECEIVER-TRANSMITTER GROUP OA-2896A/GRW-5
	a. (1) Elevation drive gear assembly bearings, total four places.
	b. (2) Elevation drive gear assembly gears, total three places.
WWW	CHRO Flexible couplings worm
, ,	
*	
WWW	CHROMEHOOVES.NET

SPECIFICATION	TYPE OF LUBRICATION		
MIL-G-3278	GREASE, AIRCRAFT		
CHROM	ETEMPERATURES		
MIL-L-6085	LUBRICATING OIL, AIRCRAFT INSTRUMENT LOW VOLATILITY		
	MIL-G-3278		

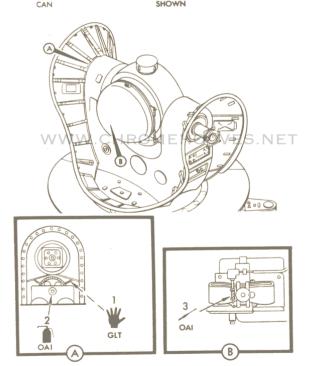
APPLICATION SYMBOLS





SPECIFIC LUBRICATION POINT

SPECIFIC LUBRICATION POINT PLUS IDENTICAL POINT OR POINTS NOT SHOWN



W MISSILE GUIDANCE SET AN GRW 55 S N ET MISSILE TRACKING ANTENNA-RECEIVER-TRANSMITTER GROUP OA-2896A/GRW-5

6035L31A

CA	RD NO. 2-48	WORK AREA 10D 10E 10C 10F VA	PUBLICATION NO T.O. 21M-HGM2 FB 8 May 1	5A-6-1WC-1PE
WORK UNIT				CARD TIME 00:45
SYS	SUB-SYS AND COMP	INSPECTION	NO. 360 DAY REQ	POWER X OFF
		LUBRICAT	E AS INDICATED OF CARD USING TABLE E TO TYPE OF LUB	FOR
			PROTECTING AND E	LEVATING
			TRUNNION INSTALL 21M-HGM25A-2-7-	
MH	100	a. (1)	Four bushings, eight places.	total
		b. (2)	Four hinge bear total eight pla	
	www	.CHRON	/IEHOOVES	NET
	www	.CHRON	MEHOOVES	.NET

#### LUBRICATION SYMBOLS

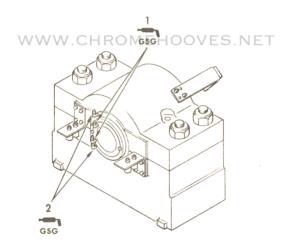
SYMBOL	SPECIFICATION	TYPE OF LUBRICATION		
GSG	MIL-G-7118	GREASE, AIRCRAFT		
WWW.0	HROME	GEAR AND ACTUATOR		

#### APPLICATION SYMBOLS



#### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



WWVANTENNA PROTECTING AND ES. NET ELEVATING SET 0A-2901/GRW-5 LID TRUNNION INSTALLATION

6035L32A

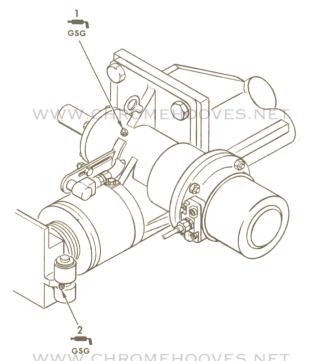
CARD NO. 2-49	WORK AREA 2B	PUBLICATION NO T.O. 21M-HGM25 8 May	. AND DATE 5A-6-1WC-1PE 7 1964
WORK UNIT			CARD TIME 00:20
SYS SUB-SYS AND COMP	INSPECTION	NO. 360 DAY REQ	POWER OFF
	CUBRICATE AS INDICATED ON BACK SIDE OF CARD USING TABLE FOR REFERENCE TO TYPE OF LUBRICANT.		
		ING SYSTEM	/
ВВ 25Н	1. HORIZO	ONTAL JACK ASSEM	BLY (VAFB)
	a. (1)	Four worm gears bearings, total places.	and four
	b. (2)	Four cam follow and cam roller total four place	bearings,
www	CHRON	MEHOOVES.	NET
	.CHRON	MEHOOVES.	NET

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
GSG	MIL-L-7118	GREASE, AIRCRAFT GEAR AND ACTUATOR
WWW	CHROME	HOOVES.NE

#### APPLICATION SYMBOLS



ARROW SYMBOLS
SPECIFIC LUBRICATION POINT



CRIB LOCKING SYSTEM
HORIZONTAL JACK ASSEMBLY

6035L13A

CARD NO. 2-50		WORK AREA PUBLICATION NO T.O. 21M-HGM25A 8 May			
WORK UNIT			CARD TIME 00:20		
SYS	SUB-SYS AND COMP		ILO N NO.360 DAY REQ	POWER'  OFF  ON	
	W W W	LUBRICATE AS INDICATED ON BACK SIDE OF CARD USING TABLE FOR REFERENCE TO TYPE OF LUBRICANT.			
ВВ	25H	1. HORIZ 724TH	ING SYSTEM ONTAL JACK ASSEM /725TH SQDN, EAF MHAFB)	*	
		a. (1)	Four cam follow spherical and c bearings, total places.	am roller	
		b. (2)	Four worm gears bearings, total places.		
\	VWW	CHRO	MEHOOVES	.NET	
\	VWW	CHRO	MEHOOVES	.NET	

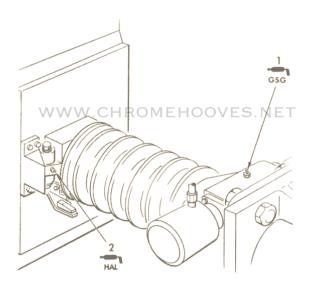
_			MIDGES
	SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
	GSG	MIL-G-7118	GREASE, AIRCRAFT GEAR AND ACTUATOR
	WHAL W.	HALOCARBON 25-10M-5A	GREASE, GENERAL PURPOSE, NORMAL LOAD

### APPLICATION SYMBOLS

GREASE GUN

#### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



CRIB LOCKING SYSTEM HORIZONTAL WWW.CHJACK ASSEMBLYOVES.NET

UAL	RD NO.	WORK AREA	PUBLICATION NO T.O. 21M-HGM25	. AND DATE
2-51		2B	T.O. 21M-HGM25 8 May	6A-6-1WC-1PF 7 1964
WOR	K UNIT		CARD TIME	
	CODE			00:20
		MISSILE SI	LO	POWER
SYS	AND COMP	INSPECTION	NO.360 DAY REQ	X OF
V	/ VV VV .	LUBRICATE OF CARD US	EHOOVES. AS INDICATED ON ING TABLE FOR RE	BACK SIDE
			LUBRICANT.	
		LAUNCHER P	LATFORM	
ВВ	170	1. DRIVE	AND CONTROL SYST	TEM
			Flexible coupling total two places	
		b. (2)	Flexible coupling total two places	0 ,
7.7	/\	CHRON	FUCOVES	NIET
V	/ VV VV .	CHROM	EHOOVES.	NEI
	1			
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
:				
, V	/WW.	CHROM	EHOOVES.	NET
		restific		

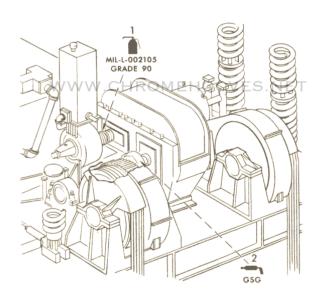
SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
GSG	MIL-G-7118	GREASE, AIRCRAFT GEAR AND ACTUATOR
WWV	W.CHROM	EHOOVES.N
	MIL-L-002105 GRADE 90	OIL, HEAVY DUTY

#### APPLICATION SYMBOLS



#### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT PLUS IDENTICAL POINT OR POINTS NOT SHOWN



# LAUNCHER PLATFORM DRIVE S. NET AND CONTROL SYSTEM

6035L60A

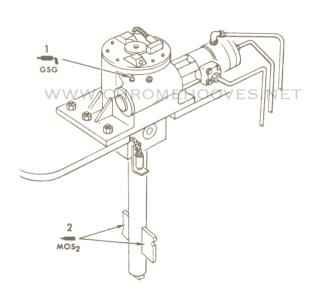
	RD NO. 2-52	WORK AREA 2B	PUBLICATION NO. AND DATE T.O. 21M-HGM25A-6-1WC-1PE 8 May 1964	
	K UNIT		CARD TIME 00:20	
SYS	SUB-SYS AND COMP	MISSILE SI	LO NO.360 DAY REQ	POWER X OFF
	W W W	OF CARD US	AS INDICATED ON SING TABLE FOR RE LUBRICANT.	
		LAUNCHER P	PLATFORM LOCKING	SYSTEM
BA	91A		CAL LOCKS (LAFB 7 SQDN, EAFB, BAFF	
		a. (1)	Four jackscrews, four places.	, total
		b. (2)	Four self-aligniblocks, total emplaces.	
\	VVVV	.CHRON	MEHOOVES	NET
-				
	3,			
\	WWW	CHRON	MEHOOVES	NET

SPECIFICATION	TYPE OF LUBRICATION
MIL-L-7866A	MOLYBDENUM
CHROM	EHOOVES.NE
MIL-G-7118	GREASE, AIRCRAFT GEAR AND ACTUATOR
	MIL-L-7866A

#### APPLICATION SYMBOLS



## ARROW SYMBOLS SPECIFIC LUBRICATION POINT



LAUNCHER PLATFORM LOCKING
WWW.SYSTEMFVERTICAL HOCKS VES.NET

CARD NO. 2-53	WORK AREA	PUBLICATION NO T.O. 21M-HGM25 8 May	
WORK UNIT			CARD TIME 00:20
SYS AND COMP		NO. 360 DAY REQ	POWER X OFF
•	OF CARD US	AS INDICATED ON SING TABLE FOR REFLUBRICANT.	
BB 25 F	CRIB LOCKI	ING SYSTEM  CAL JACK ASSEMBLY	·
	a. (1)	Head jack assemb	oly, total
	b. (2)	Worm gear and be total four place	
		*	
I I I I I I I I I I I I I I I I I I I	CUDON	AELIOOVES.	
VV VV VV	CHRON	MEHOOVES.	NEI
			•
	*		•
	4		
WWW	CHRON	MEHOOVES.	NET

#### LUBRICATION SYMBOLS

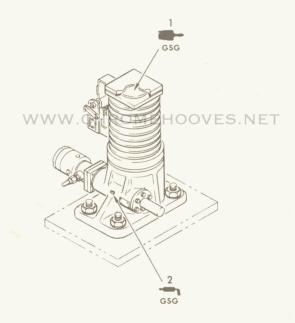
SYMBOL .	SPECIFICATION	TYPE OF LUBRICATION
GSG WWW	MIL-G-7118 V.CHRON	GREASE, AIRCRAFT

#### APPLICATION SYMBOLS



ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



# WWW.CHROMEHOOVES.NET CRIB LOCKING SYSTEM VERTICAL JACK ASSEMBLY

6035L61A

CARD NO. 2-54	WORK AREA 4A	PUBLICATION NO. AND DATE T.O. 21M-HGM25A-6-1WC-1PE 8 May 1964		
WORK UNIT				
SYS AND COMP	EQUIPMENT INSPECTION	TERMINAL NO.360 DAY REQ	POWER X OFF	
WWW	LUBRICATE AS INDICATED ON BACK SID OF CARD USING TABLE FOR REFERENCE TYPE OF LUBRICANT.			
	HYDRAULIC	HYDRAULIC DISTRIBUTION SYSTEM		
BA 21B	(5A19A	PRESSURE PUMPS A1PM1005 thru LPM1008)		
	a. (1)	Four couplings, eight places.	total	
	b. (2)	Four motor shaft total eight place		
WWW	CHRON	MEHOOVES.	NET	
WWW	CHRON	MEHOOVES.	NET	

#### LUBRICATION SYMBOLS

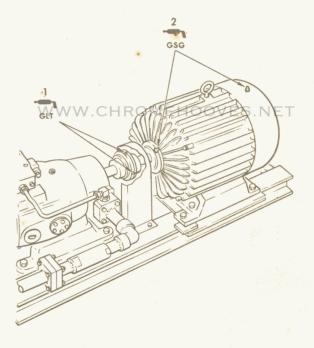
SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
GSG \//\///	MIL-G-7118 CHROME	GREASE, AIRCRAFT GEAR
GLT	MIL-G-3278	GREASE, GENERAL PURPOSE LIGHT LEAD

#### APPLICATION SYMBOLS

GREASE GUN

#### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



### WWW.CHROMEHOOVES.NET

HYDRAULIC DISTRIBUTION SYSTEM HIGH PRESSURE PUMPS

6035L62A

1	RD NO. 2-55	WORK AREA 4A	PUBLI T.O.	CATION NO 21M-HGM25 8 May	. AND DATE A-6-1WC-1PE 1964
	K UNIT			CARD TIME 00:10	
SYS	COMP	EQUIPMENT INSPECTION			POWER OFF
	/V VV VV	LUBRICATE AS INDICATED ON BACK SIDE OF CARD USING TABLE FOR REFERENCE TO TYPE OF LUBRICANT.			
		HYDRAULIC	DISTRI	BUTION SYS	TEM
BA	200	1. HAND	PERATEI	VALVES	
		a. (1)		shaft bear five place	
		b. (2)	Valve s	shaft, tot	al five
					:
	. / \ A / \ A /	.CHRON	1 E LI C	OVES	NET
1	V VV VV	CHRO	VILIIC	OVES	INLI
,	part of				
	6 73 X 73 X 7	dupo.			KIET
	V VV VV	.CHRO		JOVES	NEI
					7

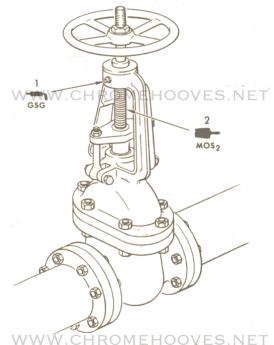
GREASE, AIRCRAFT
GEAR AND ACTUATOR
MOLYBDENUM DISULFIDE POWDER

#### APPLICATION SYMBOLS



### ARROW SYMBOLS

- SPECIFIC LUBRICATION POINT



HYDRAULIC DISTRIBUTION SYSTEM
HAND OPERATED VALVES

6035L63A

	RD NO. 2-56	WORK AREA	PUBLICATION NO. AND DATE T.O. 21M-HGM25A-6-1WC-1PE
	· · · · · · · · · · · · · · · · · · ·		8 May 1964
	CODE		CARD TIME 00:20
SYS	SUB-SYS AND		X OF
	COMP	INSPECTION	NO.360 DAY REQ. ON
	VV VV VV	OF CARD US	AS INDICATED ON BACK SIDE ING TABLE FOR REFERENCE LUBRICANT.
		HYDRAULIC	DISTRIBUTION SYSTEM
BA	23C		HARGE PUMP ASSEMBLY PM1001 and 5A19A1PM1002)
	\$		Two motors, total four places.
			Two couplings, total two places.
	i	i	
	1		
1	WWW	.CHRO	MEHOOVES.NET
	WWW	.CHRON	MEHOOVES.NET
	WWW.	.CHRON	MEHOOVES.NET
	WWW	.CHRON	MEHOOVES.NET
	WWW	CHRON	MEHOOVES.NET
	WWW	CHROM	MEHOOVES.NET
	www.	CHRON	MEHOOVES.NET
	WWW	CHRON	MEHOOVES.NET
	WWW	CHRON	MEHOOVES.NET
	www.	CHRON	MEHOOVES.NET
		.CHRON	MEHOOVES.NET
		.CHRON	MEHOOVES.NET

#### LUBRICATION SYMBOLS

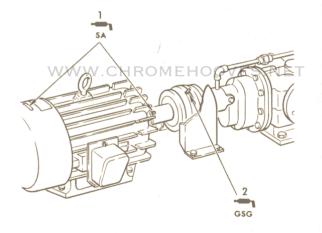
SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
GSG	MIL-G-7118	GREASE, AIRCRAFT
WWW	.CHROM	E GEAR AND ACTUATOR
SA	MIL-G-18709	GREASE, BALL BEARING

# APPLICATION SYMBOLS

GREASE GUN

ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



### WWW.CHROMEHOOVES.NET

HYDRAULIC DISTRIBUTION SYSTEM SUPERCHARGE PUMP ASSEMBLY

6035L7A

CAF		WORK AREA 4A	T.O. 21M-HGM25	
WORK UNIT				CARD TIME
				00:10
cvc		EQUIPMENT	TERMINAL	POWER X OFF
J15	COMP	INSPECTION	NO. 360 DAY REQ	NET ON
		OF CARD US	ING TABLE FOR RE	
		HYDRAULIC	DISTRIBUTION SYS	STEM
вА	200	1. STANDE	SY PUMP	
			WARNING	
		powe pers	er can result in sonnel and damage	injury to
V	/WW.	CHROW	Flexible shaft of total one place.	oupling,
		16 A		
		-		
	,			
V	/WW.	CHROM	EHOOVES.	NET
	WOR C SYS	SUB-SYS AND COMP  BA 200	WORK UNIT CODE  SYS SUB-SYS EQUIPMENT AND INSPECTION LUBRICATE OF CARD US TO TYPE OF HYDRAULIC  BA 200 1. STANDE  Fail power personnent  a. Set (5A1)  C. Set (5A1)	WORK UNIT CODE  SUB-SYS AND INSPECTION NO. 360 DAY REQ LUBRICATE AS INDICATED ON OF CARD USING TABLE FOR RETO TYPE OF LUBRICANT.  HYDRAULIC DISTRIBUTION SYSTEM WARNING  Failure to shut off power can result in personnel and damage ment.  a. Set circuit breaker (5A10A4CB) to OFF.  WWW.CHROMEHOOVES.

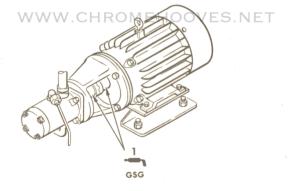
### LUBRICATION SYMBOLS

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
GSG	MIL-G-7118	GREASE, AIRCRAFT GEAR AND ACTUATOR
WW	W.CHRO	MEHOOVES.N

## APPLICATION SYMBOLS

GREASE

ARROW SYMBOLS
SPECIFIC LUBRICATION POINT



WWW.CHROMEHOWES.NET HYDRAULIC DISTRIBUTION SYSTEM STANDBY PUMP

CAI	RD NO. 2-58	WORK AREA 4A	PUBLICATION NO T.O. 21M-HGM25 8 May	AND DATE A-6-1WC-1PE 1964
	K UNIT			CARD TIME 00:05
SYS	AND	EQUIPMENT		POWER OFF
	COMP	INSPECTION NO. 360 DAY REQ		ON
BA	200	OF CARD US TO TYPE OF HYDRAULIC	AS INDICATED ON SING TABLE FOR REFLUBRICANT.  DISTRIBUTION SYS  DRIVEN GATE VALVE	FERENCE TEM
			1VA1116 and VA1117)	
		a. (1)	Two valve shafts two places.	, total
		b. (2)	Two worm gear dr total two places	
V	W W W	CHRON	MEHOOVES.	NFT
V	VWW	.CHRON	MEHOOVES.	NET

### LUBRICATION SYMBOLS

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
GSG	MIL-G-7118	GREASE, AIRCRAFT GEAR
WWW	.CHROM	EAND ACTUATOR S. N.E.

### APPLICATION SYMBOLS



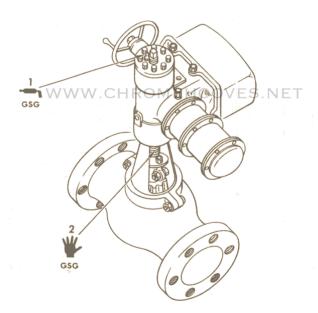
-

GREASE GUN

HAND

ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



 $\begin{array}{c} \text{W} \backslash \text{HYDRAULIC} \text{ pistribution (system} \subseteq S : \mathbb{N} \sqsubseteq \top \\ \text{MOTOR DRIVEN GATE VALVE} \end{array}$ 

CARD NO. 2-59	WORK AREA PUBLICATION NO. AND DATE 4C T.O. 21M-HGM25A-6-1WC-1PE 8 May 1964
WORK UNIT	CARD TIME 00:05
SUB-SYS AND COMP	EQUIPMENT TERMINAL  INSPECTION NO. 360 DAY REQ  CHROWEHOOVES NET  LUBRICATE AS INDICATED ON BACK SIDE  OF CARD USING TABLE FOR REFERENCE  TO TYPE OF LUBRICANT.
NC 300	1. HYDRAULIC PUMPING UNIT A/E 27A-2
NC 340	a. (1) Motor, total two places.
	b. (2) Coupling, total one place.
www	CHROMEHOOVES.NET
WWW	CHROMEHOOVES.NET

### LUBRICATION SYMBOLS

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
	MIL-L-15719A	GREASE, SILICON
WWW.	CHROME	INSULATED, ELECTRIC

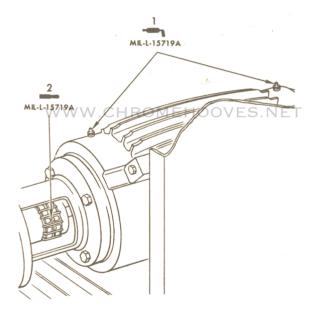
### APPLICATION SYMBOLS

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SPATULA GREASE GUN

ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



WW LAUNCH CONTROL FACILITIES ES. NET HYDRAULIC PUMPING UNIT A/E 27A-2

	CAI	RD NO. 2-60	WORK AREA 4C	PUBLICATION NO T.O. 21M-HGM25 8 May		
	WORK UNIT			**************************************	CARD TIME	
'		CODE			00:10	
S	YS	SUB-SYS AND	EQUIPMENT	TERMINAL	POWER X OFF	
		COMP	INSPECTION NO. 360 DAY REQ		ON	
	,	Y	OF CARD US TO TYPE OF	AS INDICATED ON ING TABLE FOR RELUBRICANT.		
NO		200	1. MISSIL PIPING (LAFB	E AIR CONDITIONI INSTALLATION 724TH/725TH SQDN MHAFB)		
				Three main blowe top ducts manual dampers, total t places.		
	,\	VWW	CHRON	MEHOOVES.	NET	
				.e-		
					it sugar to	
		-				
1			:		** 	
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	1	V VV VV	.CHRON	MEHOOVES.	NET	
				***		
		1				

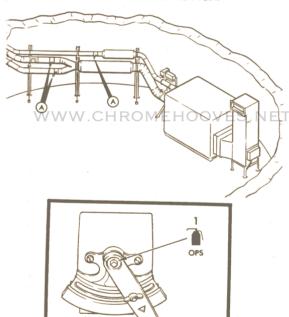
SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
OPS VVVVV	. MIL-1-6448 M	CENERAL PURPOSE, PRESERVATIVE

### APPLICATION SYMBOLS



### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



WW.CHROMEHOOVES.NET LAUNCH CONTROL FACILITIES MISSILE AIR CONDITIONING PIPING INSTALLATION

6035L66A

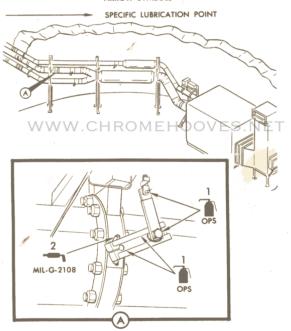
CAI	RD NO. 2-61	WORK AREA	PUBLICATION NO T.O. 21M-HGM25	
	2 01	70		1964
WOR	K UNIT			CARD TIME
	CODE			00:05
	SUB-SYS	EQUIPMENT TERMINAL		POWER X OFF
SYS	AND COMP	INSPECTION	NO.360 DAY REQ	ON
	WWW	011501	AS INDICATED ON	BACK SIDE
			SING TABLE FOR RE	
		TO TYPE OF	LUBRICANT.	
NC	200	LAUNCH CON	TROL FACILITIES	
		1. MISSII	E AIR CONDITION	NG
			G INSTALLATION (	
			725TH SQDN, EAF	3,
		BAFB)		
		a. (1)	Main air duct da	amper,
			motor linkage, four places.	total
		b. (2)	Main air duct d	amper
			motor linkage,	
			one place.	
7	vww	.CHRO	MEHOOVES	NET
		4		
	5			
				2
1	VVVV	.CHRO	MEHOOVES	NET

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
OPS	MIL-L-644B	LUBRICATING OIL, GENERAL PURPOSE,
WWW	CHROM/	
	MIL-G-2108	GREASE, GENERAL PURPOSE NO. 2

### APPLICATION SYMBOLS



#### ARROW SYMBOLS



AIR CONDITIONING PIPING INSTALLATION  $N \in T$ 

CARD NO. 2-62	WORK AREA 4C	PUBLICATION NO T.O. 21M-HGM25 8 May	
WORK UNIT			CARD TIME 00:02
SYS AND COMP		TERMINAL NO.360 DAY REQ	POWER X OFF
WWW	LUBRICATE	AS INDICATED ON ING TABLE FOR RE	BACK SIDE
NC 200	1. MISSII	TROL FACILITIES  E AIR CONDITIONI  INSTALLATION (M	
	a. (1)	Main air duct da motor linkage, t three places.	
WWW	.CHRON	MEHOOVES.	NET
			•
WWW	CHRON	MEHOOVES.	NET

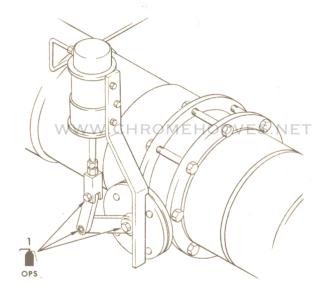
SYMBOL	SPECIFICATION	TYPE OF LUBRICATION	
OPS	MIL-L-644B	LUBRICATING OIL, GENERAL PURPOSE	
\\/\\/\	CHROM	PRESERVATIVE	NET

### APPLICATION SYMBOLS



### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



LAUNCH CONTROL FACILITIES
WWMISSIE AIR CONDITIONING VES.NET
PIPING INSTALLATION

6035L68A

	D NO. -63	WORK AREA 4C	PUBLICATION NO T.O. 21M-HGM2	0. AND DATE 5A-6-1WC-1PE y 1964
1	CUNIT ODE			CARD TIME 00:05
SYS	SUB-SYS AND COMP	LYCLILLI	TERMINAL N NO. 360 DAY REQ	POWER X OFF
V	VVVV	LUBRICATE AS INDICATED ON BACK SIDE OF CARD USING TABLE FOR REFERENCE TO TYPE OF LUBRICANT.		
NC	200	LAUNCH CONTROL FACILITIES  1. MISSILE AIR CONDITIONING PIPING INSTALLATION (LAFB 724TH/725TH SQDN, BAFB, LAFB, MHAFB)		
		a. (1)	Intake damper 1: total one place	
		b. (2)	Motor linkage, three places.	total
	V VV VV	.CHRO	MEHOOVES	.NET
Į V	VWW	.CHRO	MEHOOVES	.NET

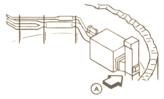
SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
OPS	MIL-L-644B CHROM	LUBRICATING OIL, GENERAL PURPOSE, N PRESERVATIVE

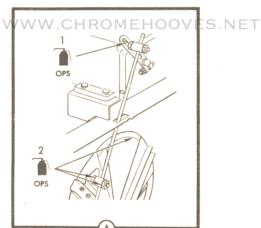
### APPLICATION SYMBOLS



### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT





WVLAUNCH CONTROL FACILITIES VES.NET MISSILE AIR CONDITIONING PIPING INSTALLATION

6035L69A

CAI	RD NO. 2-64	WORK AREA 11A	PUBLICATION NO T.O. 21M-HGM25 8 May	
WORK UNIT				CARD TIME 00:05
SYS	SUB-SYS AND COMP	FUEL STORA INSPECTION	GE AREA NO.360 DAY REQ	POWER X OFF
	WWV	LUBRICATE AS INDICATED ON BACK SIDE OF CARD USING TABLE FOR REFERENCE TO TYPE OF LUBRICANT.		
		RP-1 FUEL	SUB-SYSTEM	
KA	213	1. FUEL T	RANSFER PUMP (P-	110)
		a. (1)	Motor bearings, two places.	total
		,		
	WWV	V.CHRO	MEHOOVES	.NET
		-		
	WWV	V.CHRO	MEHOOVES	S.NET
	*			

### LUBRICATION SYMBOLS

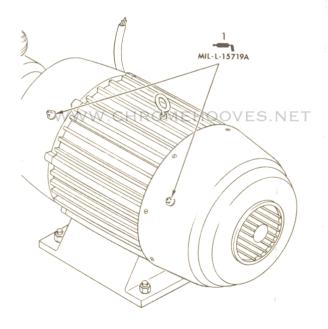
SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
WWW	MIL-L-15719A .CHROM	GREASE, SILICON EINSULATED, ELECTRIC

### APPLICATION SYMBOLS

GREASE GUN

ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



### WWW.CHROMEHOOVES.NET

RP-1 FUEL SUBSYSTEM FUEL TRANSFER PUMP (P-110)

6035L70A

	RD NO. -65	WORK AREA PUBLICATION NO. AND DAT T.O. 21M-HGM25A-6-1WC-1 8 May 1964		A-6-1WC-1PE
	K UNIT		in the second	CARD TIME 00:15
SYS	SUB-SYS AND COMP		NO.360 DAY REQ	POWER X OFF
V	V	OF CARD US	AS INDICATED ON ING TABLE FOR REBRICANT.	BACK SIDE FERENCE TO
KA	210	1. CONTRO	L VALVE	
		a. (1)	Four plug valves four places.	s, total
	VWW	CHROM	TEHOOVES.	NET
V	VWW	1	TEHOOVES.	

### LUBRICATION SYMBOLS

SYMBOL	SPECIFICATION	TYPE OF LUBRICATION
	MIL-G-2108	GREASE, GENERAL
WWW	CHROM	EPHRIPOSENO ES. NE

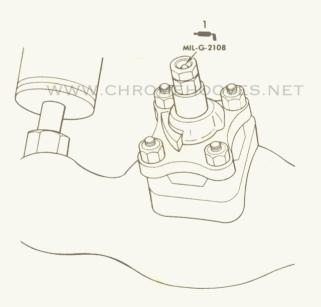
#### APPLICATION SYMBOLS

-

GREASE GUN

### ARROW SYMBOLS

SPECIFIC LUBRICATION POINT



WWW.CHROMEHOOVES.NET

RP-1 FUEL SUBSYSTEM CONTROL VALVE

6035L71A

## WWW.CHROMEHOOVES.NET

TECHNICAL ORD	DER CHANGE NOTICE			
(1) TOPCN (2) TOFCN (3) TODN	☐ (4) TOQCN ☐ (5) TOCN 📆			
(6) URGENT (7) SECRET (	(8) SHEET1OF1			
ROUTINE (X) UNCLASSIFIE	D 🔀			
EXPEDITE [ (10) TITLE PHASED INSPECTION AND LUBRICATION	(9) PROGRAM Titan I			
	(12) BASIC DATE: 8 May 1964			
(13) CHG. NO. 6-1WC-1PE TOCN				
(15) EFFECTIVITY All Bases	(16) INITIATOR R. Ashbeck			
(17) Insert attached changed/added pages dated 248Pages are affected by this	(18) TOCN's incorporating this change change. in other T.O.'s are:			
(19) List of changed/added pages contained herein	n. T.O. 21M-HGM25A-6-1, DEN-100			
Title A thru B/C i is ii thru iih iij iii/iiia iv thru ivw  1-1 thru 1-77 2-1 2-2 with Backup 2-2 thru 2-65 with Backup 2-65 THIS PUBLICATION REPLACES T.O. 21M HGM2 5A-6-1MC-1PEV 1 JANUARY 1964.				
(20) PRELIMINARY APPROVAL TMC	(21) OTHER AFFECTED ASSOCIATES			
ENGINEERING & Pride				
WRITER R.J. H. Shbeck				
SAFETY REP. Q. Slowy	-			
TOCU CHAIRMAN				
AFLC	*			
(22) FINAL RELEASE AUTHORITY (23) VERIFICATION REQUIREMENTS				
QUAL. ASSURANCE Previously verified data not affected				
UNIT SUPERVISOR Ha Jame 977 5/24/64 Additional verification required				
CTOCU Verified at -				
AFTOSB Wallet Bounds 27 May by X Verification not required				
(24) REASON FOR CHANGE This TOCN incorporates TOFCN T1-3 in its entirety, initiated as				
a result of meeting held at Lowry AFB, 29-				
	and 395SMS-64-70R. This TOCN also incorporates			
BBAMA/AMF Input #0584 in its entirety. This publication replaces T.O. 21M-HGM25A-6-1WC-				

WWW.CHROMEHOOVES.NET