

LOCATION IN VEHICLE	CHART NUMBER	RUN NUMBER	COLUMN NUMBER	REVISION REQUIRED	REMARKS		
Unit 802	3	3	3	CHANGE TO - 50M22000-17; WAS 50M22100-13	REF: E.O. 8-50M01537 (B)		
	4	10	1	ADD - 10			
			2	ADD - THERMAL PROBE 802A63			
			3	ADD - 20M40160(-)			
			4	ADD - 1			
			7	ADD - E			
			8	ADD - HAWKINS, ME			
	8	4,5	ALL	CANCEL - ENTIRE RUN WAS - ACCELEROMETER F31-802 & F32-802			
		7,8	ALL	CANCEL - ENTIRE RUN WAS - RATE GYRO F34-802, F35-802			
		9	ALL	CANCEL - ENTIRE RUN WAS - RATE GYRO ADAPTER F36-802			
	9	7	2	CHANGE TO - AZUZA ANTENNA MOD. 711 WAS - AZUZA ANTENNA MOD. 709			
		8	3	CHANGE TO - 50M12333(-); WAS - 50M10677(-)			
			3	CHANGE TO - 50M12261(-); WAS - 50M10682(-)			
			5&6	ADD - C331-802 TEMP., C-BAND, INTERNAL M71-802 INCIDENT POWER, C-BAND M72-802 REFLECTED POWER, C-BAND			
		10	1	ADD - 10			
		2	ADD - TIMER ASSEMBLY (8 sec.) 802A85				
		3	ADD - 40M20614-3 (-)				
		4	ADD - 1				
		7	ADD - E				
		8	ADD - STRICKLIN, ASTR.				
ISSUE January 14, 1965		MANUFACTURING ENGINEERING LIST CHANGE MEMORANDUM ELECTRICAL NO. 1			MANUFACTURING ENGINEERING DIVISION MSFC NASA		
PREPARED	DISTRIBUTION				VEHICLE SA-10 INSTR. UNIT		
C. C. CARTER, JR.	TPA-3						
APPROVED	OFFICE						
J. G. SMITH	R-ME-TPA				SH 1 OF 7		

LOCATION IN VEHICLE	CHART NUMBER	RUN NUMBER	COLUMN NUMBER	REVISION REQUIRED	REMARKS										
UNIT 802	10	10	1	ADD - 10	REF: E.O. 7--50M01537 (B)										
			2	ADD - TIMER ASSY. (40 sec.) 802A84											
			3	ADD - 40M20614-5 (-)											
			4	ADD - 1											
			7	ADD - E											
			8	ADD - STRICKLIN, ASTR.											
			12	1		2	CHANGE TO - ODOP TRANSPONDER 802A408 WAS - ODOP TRANSPONDER 802A475	E.O. 7-50M10381							
						5	1	ADD - 5	E.O. 14-50M10381						
	2	ADD - T.V. ANTENNA 802A502													
	3	ADD - 50M12334 (-)													
	4	ADD - 1													
	7	ADD - E													
	8	ADD - REED, ASTR.													
	13	5			5&6		ADD - J27-802 (COMMAND RECVR. LIMITER TEST VOLTAGE # 2	E.O. 7-50M10381							
			6	5	CHANGE TO - K83-802 THRU K87-802 WAS - K83-802 THRU K88-802		E.O. 10-50M10381								
				6	CHANGE TO - RANGE SAFETY DECODER OUTPUT NO. 1 THRU NO. 5										
				8	ALL	CANCEL - ENTIRE RUN; WAS - C-BAND DUPLEXER CIRCULATOR 802A491		E.O. 9-50M10381							
					14	1			ALL	CANCEL - ENTIRE RUN; WAS - ACCELEROMETER E377-802	E.O. 7-50M10381				
									2	ALL		CANCEL - ENTIRE RUN; WAS - ACCELEROMETER E378-802			
										ISSUE JANUARY 14 , 1965			MANUFACTURING ENGINEERING DIVISION MSFC NASA		
										PREPARED C.C. CARTER, JR.					
	APPROVED J. G. SMITH														
	DISTRIBUTION TPA-3						VEHICLE SA-10 INSTR. UNIT								
	OFFICE R-ME-TPA									SH 2 OF 7					
	MANUFACTURING ENGINEERING LIST CHANGE MEMORANDUM ELECTRICAL NO. 1														

LOCATION IN VEHICLE	CHART NUMBER	RUN NUMBER	COLUMN NUMBER	REVISION REQUIRED	REMARKS		
UNIT 442	16	7,8,9,10	7	ADD - 1			
			9	CHANGE TO - SEE NOTE; WAS - 16 NOV. 64			
		REMARKS	NOTE: 1	ADD - 1. AMPLIFIERS FOR MEASUREMENTS H17-802 THRU H23-802, H33-802 TO BE DELIVERED AT TIME OF PLATFORM DELIVERY TO R-QUAL. REFERENCE MEMO R-ASTR-1E-156, DATED MAY 26, 1964.			
	17	2,3,4	7	ADD - 1			
			9	CHANGE TO - SEE NOTE; WAS - 16 NOV. 64			
		REMARKS	NOTE: 1	ADD - 1 AMPLIFIERS FOR MEASUREMENTS H17-802 THRU H23-802, H33-802 TO BE DELIVERED AT TIME OF PLATFORM DELIVERY TO R-QUAL. REFERENCE MEMO R-ASTR-IE-156, DATED MAY 26, 1964.			
	19	9	2	ADD - D.C. AMPLIFIER			
			3	ADD - 50M10394 (-)			
			4	ADD - 1			
			5	ADD - M68-900			
			6	ADD - AGC MEAS. PULSE PROCESSOR			
			7	ADD - E			
			8	ADD - REED, ASTR			
	20	7	ALL	CANCEL - ENTIRE RUN; (A.C. AMPLIFIER E375-900)	E.O. 4-50M10381		
	21	8	ALL	CANCEL - ENTIRE RUN; (A.C. AMPLIFIER E377-802)	E.O. 7-50M10381		
		9	ALL	CANCEL - ENTIRE RUN; (A.C. AMPLIFIER E378-802)			
UNIT 443	25	4	ALL	CANCEL - ENTIRE RUN; (SERVO ACCEL. UNIT F31-802)	E.O. 8-50M10381		
		5	ALL	CANCEL - ENTIRE RUN; (SERVO ACCEL. UNIT F31-802)			
UNIT 444	33	8	5	CHANGE TO - C95-900; WAS - C235-900	E.O. 11-50M10381		
ISSUE JANUARY 14, 1964				MANUFACTURING ENGINEERING LIST CHANGE MEMORANDUM ELECTRICAL NO. 1	MANUFACTURING ENGINEERING DIVISION MSFC NASA		
PREPARED C.C. CARTER, JR.		DISTRIBUTION TPA-3					
APPROVED J.G. SMITH		OFFICE R-ME-TPA			VEHICLE SA-10 INSTR. UNIT		
						SH 3 OF 7	

LOCATION IN VEHICLE	CHART NUMBER	RUN NUMBER	COLUMN NUMBER	REVISION REQUIRED	REMARKS	
UNIT 444	34	2	ALL	CANCEL - ENTIRE RUN (D.C. AMPLIFIER D133-900)	E.O. 10-50M10381	
		3	ALL	CANCEL - ENTIRE RUN (D.C. AMPLIFIER D134-900)		
		4	ALL	CANCEL - ENTIRE RUN (D.C. AMPLIFIER D135-900)		
		5	ALL	CANCEL - ENTIRE RUN (D.C. AMPLIFIER D136-900)		
		6	ALL	CANCEL - ENTIRE RUN (D.C. AMPLIFIER D138-900)		
		7	2	ADD - D.C. AMPLIFIER		E.O. 11-50M10381
		3	ADD - 50M10394 (-)			
		4	ADD - 1			
		5	ADD - M69-802			
		6	ADD - INPUT PRF, C-BAND			
		7	ADD - E			
		8	ADD - HUGGINS, ASTR.			
		8	2	ADD - D.C. AMPLIFIER		
		3	ADD - 50M10394 (-)			
		4	ADD - 1			
		5	ADD - M70-802			
		6	ADD - REPLY PRF, C-BAND			
		7	ADD - E			
		8	ADD - HUGGINS, ASTR.			
		9	2	ADD - D.C. AMPLIFIER		
		3	ADD - 50M10394 (-)			
		4	ADD - 1			
		5	ADD - M73-802			
		6	ADD - INPUT SIGNAL LEVEL, C-BAND			
7	ADD - E					
8	ADD - HUGGINS, ASTR.					
ISSUE JANUARY 14, 1965				MANUFACTURING ENGINEERING LIST CHANGE MEMORANDUM ELECTRICAL NO. 1	MANUFACTURING ENGINEERING DIVISION MSFC NASA	
PREPARED C.C. CARTER, JR.		DISTRIBUTION TPA-3				
APPROVED J. G. SMITH		OFFICE R-ME-TPA			VEHICLE SA-10 INSTR. UNIT	
						SH 4 OF 7

LOCATION IN VEHICLE	CHART NUMBER	RUN NUMBER	COLUMN NUMBER	REVISION REQUIRED	REMARKS			
UNIT 900	37	1	1	ADD - 1				
			2	ADD - MMC SATELLITE 900A10				
			3	ADD - SEE NOTE				
		4		1		ADD - 4		
				2		ADD - CONDUIT AND CABLE ASSEMBLY		
				3		ADD - 50M03650-1		
				4		ADD - 2		
				7		ADD - 1		
				8		ADD - SEE NOTE		
	38	1	2	CHANGE TO - Q-BALL TRANSDUCER 900A432		E.O. 10-50M10381		
			3	CHANGE TO - 50M12409 (-); WAS - 50M30645 (-)				
			7	ADD - 2				
			8	CHANGE TO - SEE NOTE; WAS-CLINE, ASTR.				
			9	CHANGE TO - SEE NOTE; WAS-13 JUL. 64				
			2	5			CHANGE TO - C95-900; WAS - C235-900 C193-900	
				6			CHANGE TO - TEMP. Q-BALL, INTERNAL DELTA P PITCH AND YAW, Q-BALL, VECTOR SUM.	
		7	3	CHANGE TO - 50M12414(-); WAS - 50M10105 (-)			E.O. 7-50M10381	
				REMARKS			NOTE 2	ADD - 2. LISTED FOR REFERENCE ONLY.
		39	6	1			ADD - 6	E.O. 4-50M10381
				2			ADD - T.V. TRANSMITTER 900A428	
3	ADD - 50M03647 (-)							
4	ADD - 1							
7	ADD - E							
8	ADD - REED, ASTR.							
ISSUE				MANUFACTURING ENGINEERING LIST CHANGE MEMORANDUM ELECTRICAL NO. 1	MANUFACTURING ENGINEERING DIVISION			
JANUARY 14, 1965		MSFC	NASA					
PREPARED	DISTRIBUTION							
C.C. CARTER, JR.	TPA-3							
APPROVED	OFFICE			VEHICLE				
J. G. SMITH	R-ME-TPA			SA-10, INSTR. UNIT	SH 5 OF 7			

LOCATION IN VEHICLE	CHART NUMBER	RUN NUMBER	COLUMN NUMBER	REVISION REQUIRED	REMARKS				
UNIT 900	39	7	1	ADD - 7	E.O. 4-50M10381				
			2	ADD - POWER AMPLIFIER 900A429					
			3	ADD - 50M03648 (-)					
			4	ADD - 1					
			7	ADD - E					
			8	ADD - REED, ASTR.					
			8	1		ADD - 8			
				2		ADD - RADAR PULSE PROCESSOR 900A430			
		3		ADD - 50M12401 (-)					
		4		ADD - 1					
		7		ADD - E					
		8		ADD - REED, ASTR.					
		9		1		ADD - 9	E.O. 10-50M10381		
				2		ADD - DENSITY GAUGE			
			3	ADD - 50M12424 (-)					
			4	ADD - 1					
			5	ADD - F29-900 F30-900					
			6	ADD - DENSITY, RAM AIR DENSITY GAUGE RANGE INDICATION					
			7	ADD - E					
			8	ADD - Powers, ASTR.					
			10	1		ADD - 10		E.O. 13-50M10381	
				2		ADD - ACCELEROMETER 900A446 900A447			
				3		ADD - 50M12438 (-)			
				4		ADD - 2			
		5		ADD - E391-900 E392-900					
ISSUE JANUARY 14, 1965				MANUFACTURING ENGINEERING LIST CHANGE MEMORANDUM ELECTRICAL NO. 1		MANUFACTURING ENGINEERING DIVISION MSFC NASA			
PREPARED C.C. CARTER, JR.		DISTRIBUTION TPA-3							
APPROVED J. G. SMITH		OFFICE R-ME-TPA				VEHICLE SA-10 INSTR. UNIT			

LOCATION IN VEHICLE	CHART NUMBER	RUN NUMBER	COLUMN NUMBER	REVISION REQUIRED	REMARKS
UNIT 900	39	10	6	ADD - VIB., SERVICE MODULE LONGT. VI B., COMMAND MODULE, LONG'T.	E.O. 13-50M10381
			7	ADD - E 2	
			8	ADD - MALONE, ASTR.	
		REMARKS	NOTE 2	ADD - 2. PART OF ASSEMBLY 50M12439.	
	38A	ALL	ALL	ADD - CHART 38A.	E.O. 12-50M10381
ISSUE JANUARY 14, 1965				MANUFACTURING ENGINEERING LIST CHANGE MEMORANDUM ELECTRICAL NO. 1	MANUFACTURING ENGINEERING DIVISION MSFC NASA
PREPARED C.C. CARTER, JR.		DISTRIBUTION TPA-3			
APPROVED J. G. SMITH		OFFICE R-ME-TPA			
				VEHICLE SA 10 INSTR. UNIT	SH 7 OF 7

RUN	NOMENCLATURE	DRAWING NUMBER	QTY.	MEAS. NO.	MEASUREMENT TITLE	NOTE	ENGINEER	REQUIRED
							SOURCE	RECEIVED
1	2	3	4	5	6	7	8	9
1	FIRING SIGNAL LET JETTISON BOLT 902A1		1	K110-900		E	MATHEWS	
							ASTR	
2	FIRING SIGNAL LET JETTISON BOLT 902A2		1	K111-900		E	MATHEWS	
							ASTR	
3	FIRING SIGNAL LET JETTISON BOLT 902A3		1	K112-900		E	MATHEWS	
							ASTR	
4	FIRING SIGNAL LET JETTISON BOLT 902A4		1	K113-900		E	MATHEWS	
							ASTR	
5	LET JETTISON MOTOR IGNITION COMMAND		1	K114-900		E	MATHEWS	
							ASTR	

REMARKS

ISSUE

JANUARY 14, 1965

MANUFACTURING ENGINEERING LIST

MANUFACTURING
ENGINEERING DIVISION
MSFC NASA

PREPARED

DISTRIBUTION

ELECTRICAL
PAYLOAD BODY (APOLLO)
UNIT 900

C.C. CARTER, JR.

TPA-3

APPROVED

OFFICE

J. G. SMITH

R-ME-TPA

VEHICLE

SA-10 INSTR. UNIT

CHT

38A OF 39