

2-16-72

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LUMINARY CHANGES

APOLLO 14 - APOLLO 15

LUMINARY IE- PCR

PCR	TITLE	EFFECTIVITY
317.2	Rescaling Nouns Containing Range and Range Rate.	N49 N78
319	A priori Terrain (ΔH on <u>Downlist</u>)	P6X
324	PGNCS/ AGS RR Data Transfer.	P6X
333	Change Recognition of ROD Inputs. <i>only during XUG</i>	P6X
334	Change DSKY Descent/ Ascent Nouns	P6X
Rev1	<i>N 63</i> ΔH <i>N 68</i> <i>R HORIZ</i> <i>T 60</i> <i>N 77</i> <i>T 60</i> <i>N 94</i> $\Delta V G X$ <i>H</i>	P12 P7X
335	Remove Alignment Option from P63.	P63
336	Allow Extended Verbs During P20 Maneuvers.	R60
Rev1	<i>DELTA</i> <i>V 06</i> <i>N 18</i>	
338	Change LPD Scaling to 1.0 ⁰ In All Directions.	P6X
339	Have P20 F50 72 Display Update <i>R 12</i> <i>A</i>	P20
341	<i>LR REASON</i> <i>25</i> <i>V 12</i> <i>R 12</i> <i>A</i>	
347	Mod. to Code Word Configuration for PGNCS/ AGS Data Transfer	P6X
348	New Target ΔV Program <i>P 77</i> <i>update</i> <i>LM S.V.</i> <i>P 76</i> <i>N 84</i> <i>N 81</i> ΔV <i>THIS VEH</i> <i>AV other</i> <i>VEH</i> <i>MONITOR</i> <i>N 84</i> <i>BOTH CASES</i>	P77

LUMINARY 1E- PCR (cont.)

PCR	TITLE	EFFECTIVITY
1044	Re-design of R53, R57 <i>CURSOR, spiral</i>	P5X
1059*	Have Major Mode Changes Set Up a 1/ ACCS. <i>L-1D-10</i>	DAP
1066	Display N81 on all passes in P34/ 74 and P35/ 75. <i>DAP HAS IMPROPER DATA</i>	P34,5 P74,5
1070*	GSOP Change for FDAI Needle Initialization <i>ON 2/11</i> Fix (L-1D-01)	GSOP
1079	ALMCADR on the Telemetry. <i>APOLLO 13 LGC ON WITH DAP OFF</i>	ALL
1082.2	Update Fixed Constants for 1971-1972 Ephemeris Year	ALL
1088	Inhibit Program Change During Critical 8.22 Seconds After Coarse Align IMU <i>ZERO V37 LOCKOUT</i>	ALL
1091	Priority Display Light on DSKY	ALL
1093	Eliminate 481/day TEPHEM Limitation in Solar Lunar Ephemerides. <i>Good 2:11 MAR 74</i>	ALL
1095	Avoid Incomplete Close-out of Manual Rate Command Mode (L-1D-07)	DAP
1097.2	V30, V31 Operator Error Lockout <i>PRELUDE RAN TRY</i>	ALL
1100	Delete Setting of NODOFLAG in R47 <i>RESTART required 60 TO P00</i>	V47

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LUMINARY IE- PCR

PCR	TITLE	EFFECTIVITY
1107	Backup of Abort Bits Chan 30 Bit 1 and 4 for on (0)	P6X
1109	Backup of Off (1) Failures of Auto Throt Chan 30 Bit 5	P6X
1110	Backup for Failures of Inertial Data Bit Chan 30 Bit 6	
1111	Backup Failure of Autopilot Mode & AGS/ RGNS Select Switch Chan 30 Bits 10, 13 & 14	
1117.2	Addition to P00D00 Logic; Add Abort GSOP Description.	ALL
1121	Replace Acceleration Est. with RCS Inhibit Flags on nonpowered Downlists.	DNLST
1122		
1124*	Flag Resetting in P00D00 Aborts.	GSOP
1126*	Set NOTHROTFLAG for DPS Impulse Burns	GSOP
1127*	Change to Downlink List	DNLST
1129*	Update Mass-Dependent Calc. in 1/ ACCS	DAP
1132	Corrections to PCR 1117.2	GSOP
1133*	Revision to Descent Mass Limits	DAP
1134	Revision of PCR 1111	
1137	Correct Constant for Ascent Guidance	

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