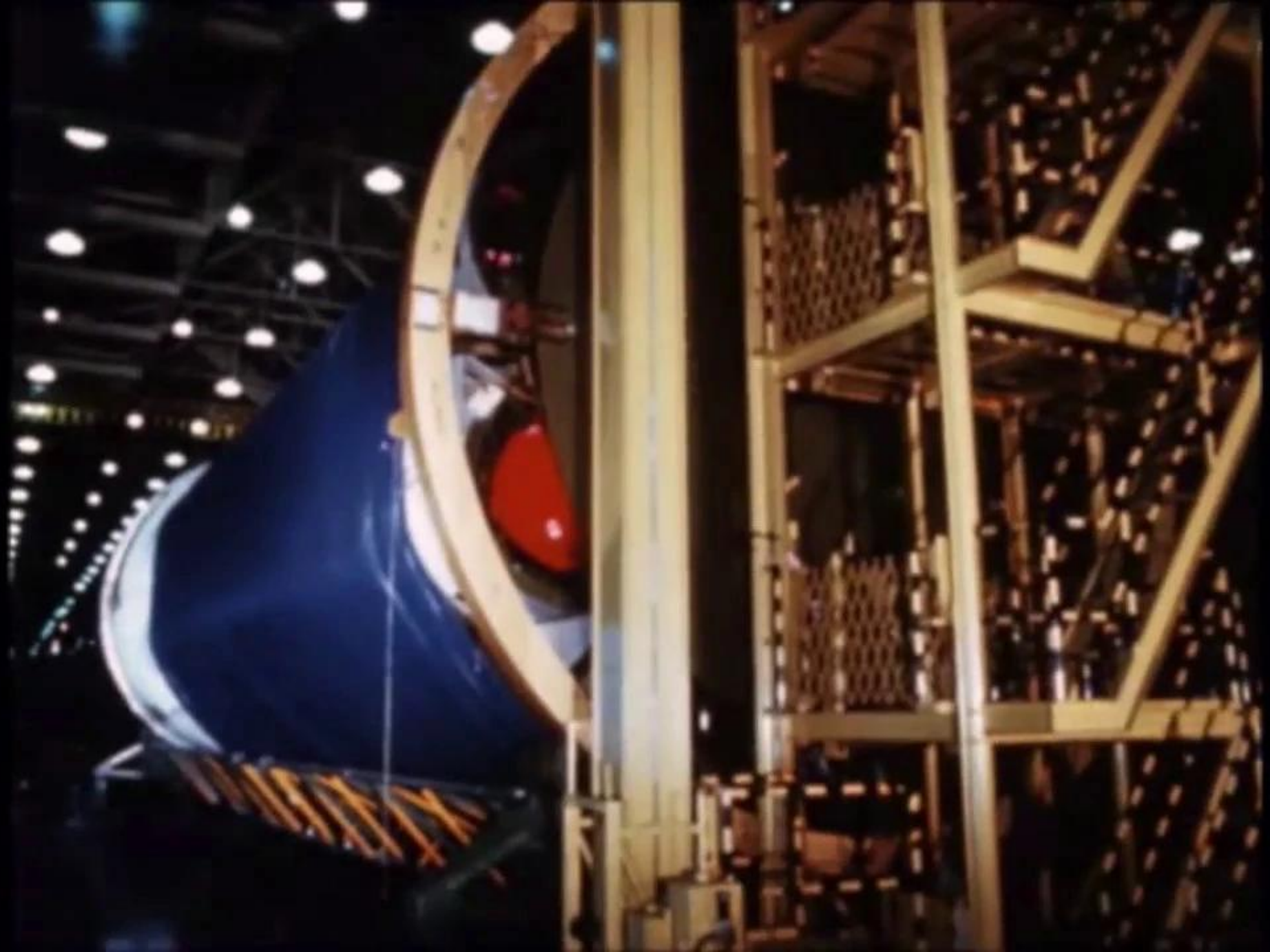

1
00:00:00,700 --> 00:00:24,609
[Music]

2
00:00:29,210 --> 00:00:27,380
the fourth upgraded Saturn one lost

3
00:00:30,550 --> 00:00:29,220
vehicle was ready for launch early

4
00:00:33,380 --> 00:00:30,560
during the fourth quarter

5
00:00:35,979 --> 00:00:33,390
however toward the end of July check out

6
00:00:37,970 --> 00:00:35,989
at KSC of lunar module components

7
00:00:41,060 --> 00:00:37,980
indicated there were problems with the

8
00:00:42,619 --> 00:00:41,070
LEM ascent and descent stages during

9
00:00:44,330 --> 00:00:42,629
August it became apparent that these

10
00:00:46,760 --> 00:00:44,340
problems would necessitate further

11
00:00:49,790 --> 00:00:46,770
testing and possible replacement of

12
00:00:51,470 --> 00:00:49,800
components by the end of the quarter it

13
00:00:53,959 --> 00:00:51,480

was definite that these problems were

14
00:00:56,180 --> 00:00:53,969
serious enough to warrant rescheduling

15
00:01:04,609 --> 00:00:56,190
of the 204 launch until the first

16
00:01:06,800 --> 00:01:04,619
quarter of 1968 the remaining uprated

17
00:01:08,810 --> 00:01:06,810
Saturn flight boosters were on or ahead

18
00:01:14,480 --> 00:01:08,820
of schedule at the end of the quarter

19
00:01:16,940 --> 00:01:14,490
September 1967 s 1 b5 was removed from

20
00:01:19,999 --> 00:01:16,950
storage in late August and refurbishment

21
00:01:23,660 --> 00:01:20,009
was begun at the end of the quarter this

22
00:01:25,460 --> 00:01:23,670
was 75% complete however due to the

23
00:01:28,070 --> 00:01:25,470
anticipated slip in the command service

24
00:01:32,950 --> 00:01:28,080
module delivery it is planned to

25
00:01:40,130 --> 00:01:37,640
s 1b 6 7 8 9 and 10 stages were in

26
00:01:47,899 --> 00:01:40,140
storage at Chrysler masu at the end of

27
00:01:52,940 --> 00:01:50,359
s1b eleven was in pre static check out

28
00:01:54,679 --> 00:01:52,950
during September and at the end of the

29
00:01:57,620 --> 00:01:54,689
quarter was moved to the preparation to

30
00:02:01,160 --> 00:01:57,630
ship area this stage will be shipped to

31
00:02:08,120 --> 00:02:01,170
MSFC during the next quarter or static

32
00:02:10,790 --> 00:02:08,130
firing tests s1 b12 was in final

33
00:02:13,160 --> 00:02:10,800
assembly during this period work was

34
00:02:16,040 --> 00:02:13,170
progressing satisfactorily and at the

35
00:02:20,990 --> 00:02:16,050
end of September all h1 engines had been

36
00:02:23,960 --> 00:02:21,000
installed work on s1 beast ages 13

37
00:02:26,570 --> 00:02:23,970
through 16 included long lead time

38
00:02:33,410 --> 00:02:26,580

procurement activity as well as part and

39
00:02:35,330 --> 00:02:33,420
component fabrication the s4 B stages

40
00:02:40,370 --> 00:02:35,340
for the remaining up rated Saturn one

41
00:02:43,940 --> 00:02:40,380
vehicles were on or ahead of schedule s4

42
00:02:46,009 --> 00:02:43,950
b stages 205 and 206 were removed from

43
00:02:47,960 --> 00:02:46,019
storage at McDonnell Douglas Sacramento

44
00:02:52,789 --> 00:02:47,970
test centers and are undergoing

45
00:02:57,319 --> 00:02:52,799
modifications and refurbishment stages

46
00:03:03,309 --> 00:02:57,329
s4 b 207 208 and 209 are presently in

47
00:03:09,199 --> 00:03:06,710
s4 b stage 210 was placed in temporary

48
00:03:11,090 --> 00:03:09,209
storage in tower number 7 at the

49
00:03:14,830 --> 00:03:11,100
mcdonnell-douglas space system center

50
00:03:18,860 --> 00:03:14,840
following completion of factory checkout

51
00:03:21,259 --> 00:03:18,870
the s4 b stage 211 is awaiting shipment

52
00:03:26,270 --> 00:03:21,269
to sacramento test centers for static

53
00:03:29,120 --> 00:03:26,280
firing in mid-september s4 b 212 a

54
00:03:31,069 --> 00:03:29,130
potential orbital workshop was removed

55
00:03:33,620 --> 00:03:31,079
from tower number 6 following completion

56
00:03:37,039 --> 00:03:33,630
of factory checkout and placed in

57
00:03:39,050 --> 00:03:37,049
storage at the space system center this

58
00:03:41,629 --> 00:03:39,060
stage will be returned to the insulation

59
00:03:49,580 --> 00:03:41,639
chamber for installation of a foil liner

60
00:03:53,210 --> 00:03:49,590
and high emissivity coating at the end

61
00:03:54,890 --> 00:03:53,220
of September 1967 status and progress of

62
00:03:59,990 --> 00:03:54,900
the remaining upgraded Saturn one

63
00:04:01,730 --> 00:04:00,000

instrument units were as follows in

64
00:04:05,000 --> 00:04:01,740
early September I you too

65
00:04:07,360 --> 00:04:05,010
at IBM Huntsville was removed from

66
00:04:10,160 --> 00:04:07,370
storage and modifications started

67
00:04:12,290 --> 00:04:10,170
however due to rescheduling the unit was

68
00:04:15,170 --> 00:04:12,300
returned to storage before modification

69
00:04:17,450 --> 00:04:15,180
was completed and work on 206

70
00:04:19,550 --> 00:04:17,460
modifications was initiated in late

71
00:04:26,750 --> 00:04:19,560
September and is scheduled for

72
00:04:29,870 --> 00:04:26,760
completion in mid-november iu 207 and

73
00:04:37,130 --> 00:04:29,880
208 are presently in storage at IBM

74
00:04:39,590 --> 00:04:37,140
Huntsville I you 209 was in check out

75
00:04:41,480 --> 00:04:39,600
and systems testing this unit is

76
00:04:45,380 --> 00:04:41,490
scheduled for completion of these tests

77
00:04:47,540 --> 00:04:45,390
in the next quarter installation of

78
00:04:51,140 --> 00:04:47,550
components in I you to 10 is

79
00:04:53,990 --> 00:04:51,150
approximately 70% complete and work is

80
00:04:58,150 --> 00:04:54,000
progressing satisfactorily completion of

81
00:05:04,130 --> 00:05:01,610
fabrication of SIU 211 was started this

82
00:05:09,280 --> 00:05:04,140
quarter at the end of the report period

83
00:05:14,060 --> 00:05:11,570
component parts for instrument unit

84
00:05:16,210 --> 00:05:14,070
number to 12 are currently being

85
00:05:18,740 --> 00:05:16,220
received

86
00:05:21,700 --> 00:05:18,750
other notable activities during the

87
00:05:24,560 --> 00:05:21,710
period of July through September 1967

88
00:05:26,920 --> 00:05:24,570

included a review of storage aspects of

89
00:05:28,930 --> 00:05:26,930
up rated Saturn one stage components

90
00:05:32,180 --> 00:05:28,940
astronaut briefings at manufacturing

91
00:05:36,770 --> 00:05:32,190
locations and continuing orbital

92
00:05:38,810 --> 00:05:36,780
workshop activities a necessary

93
00:05:41,810 --> 00:05:38,820
requirement in the upgraded Saturn one

94
00:05:45,020 --> 00:05:41,820
program is storage these requirements

95
00:05:46,850 --> 00:05:45,030
were anticipated and stage contractors

96
00:05:49,010 --> 00:05:46,860
were directed to make studies of storage

97
00:05:52,970 --> 00:05:49,020
requirements for periods of up to 24

98
00:05:54,710 --> 00:05:52,980
months however due to program delays it

99
00:05:56,840 --> 00:05:54,720
is now apparent that storage of many

100
00:06:00,290 --> 00:05:56,850
stages beyond 24 months will be

101
00:06:02,780 --> 00:06:00,300
necessary therefore the upgraded Saturn

102
00:06:05,330 --> 00:06:02,790
1 program office has initiated long-term

103
00:06:07,250 --> 00:06:05,340
storage plans who provide the best means

104
00:06:10,250 --> 00:06:07,260
of protection of flight Hardware for

105
00:06:12,380 --> 00:06:10,260
extended periods a target date for

106
00:06:15,320 --> 00:06:12,390
completion and implementation of these

107
00:06:23,420 --> 00:06:15,330
plans has been established as the

108
00:06:25,429 --> 00:06:23,430
of the next quarter the crime astronauts

109
00:06:27,529 --> 00:06:25,439
true and the backup crew for the first

110
00:06:30,110 --> 00:06:27,539
manned flight of the upgraded Saturn one

111
00:06:34,459 --> 00:06:30,120
made working tours of two production

112
00:06:37,399 --> 00:06:34,469
centers during the quarter on July 15th

113
00:06:40,719 --> 00:06:37,409

these astronauts and MSC and MSFC

114
00:06:46,369 --> 00:06:40,729
personnel visited the moshu facility and

115
00:06:48,589 --> 00:06:46,379
inspected s1 b5 and other Hardware on

116
00:06:51,350 --> 00:06:48,599
August 15th they made a working tour of

117
00:06:53,089 --> 00:06:51,360
the s4 B activities the group is

118
00:06:56,779 --> 00:06:53,099
scheduled to visit IBM Huntsville

119
00:07:04,070 --> 00:06:56,789
operations and MSFC early in the next

120
00:07:07,100 --> 00:07:04,080
quarter activity on the orbital workshop

121
00:07:09,649 --> 00:07:07,110
aspects of the s4 B stage is increasing

122
00:07:11,689 --> 00:07:09,659
each report period although actual

123
00:07:13,749 --> 00:07:11,699
production phases are not scheduled

124
00:07:16,040 --> 00:07:13,759
until two or three quarters from now

125
00:07:18,350 --> 00:07:16,050
final design Studies on the launch

126
00:07:22,519 --> 00:07:18,360
vehicle modifications are presently

127
00:07:24,800 --> 00:07:22,529
nearing completion orbital workshop

128
00:07:27,019 --> 00:07:24,810
activity during this period included

129
00:07:29,269 --> 00:07:27,029
study of liner material insulation and

130
00:07:33,950 --> 00:07:29,279
high thermal emissivity coating

131
00:07:35,689 --> 00:07:33,960
application developmental testing of

132
00:07:37,999 --> 00:07:35,699
floor grid structure was also

133
00:07:40,399 --> 00:07:38,009
accomplished the objectives of these

134
00:07:42,950 --> 00:07:40,409
tests were to determine strength and

135
00:07:46,869 --> 00:07:42,960
deflection capabilities as related to

136
00:07:50,329 --> 00:07:46,879
the fluid dynamics during stage burn

137
00:07:54,499 --> 00:07:50,339
also developmental testing of wall grid

138
00:07:56,420 --> 00:07:54,509

specimens was accomplished late during

139
00:07:58,309 --> 00:07:56,430
the quarter the s4b orbital workshop

140
00:08:00,769 --> 00:07:58,319
mock-up was shipped the McDonnell

141
00:08:03,680 --> 00:08:00,779
Douglas from MSFC for design

142
00:08:06,860 --> 00:08:03,690
modifications updating the mock-up is

143
00:08:08,629 --> 00:08:06,870
scheduled for return to MSFC late in the

144
00:08:13,610 --> 00:08:08,639
next quarter for further design

145
00:08:15,379 --> 00:08:13,620
evaluation due to delays experienced

146
00:08:18,260 --> 00:08:15,389
with the LEM payload during the quarter

147
00:08:19,790 --> 00:08:18,270
the launch of a s 204 has been

148
00:08:23,059 --> 00:08:19,800
rescheduled for early in the first

149
00:08:24,879 --> 00:08:23,069
quarter of 1968 because of design

150
00:08:28,910 --> 00:08:24,889
changes to the command service module

151
00:08:32,030 --> 00:08:28,920
the first manned Apollo launch is 2:05

152
00:08:34,790 --> 00:08:32,040
has been delayed until later in 1968 at

153
00:08:36,590 --> 00:08:34,800
the close of this quarter a plan was

154
00:08:39,440 --> 00:08:36,600
under study to launch a second lunar

155
00:08:43,049 --> 00:08:39,450
module development mission AAS 206