



1
00:00:37,030 --> 00:00:34,709
it is a hard job it's the most difficult

2
00:00:50,389 --> 00:00:37,040
thing an astronaut has to do something

3
00:00:50,399 --> 00:01:07,350
all right guys here we go

4
00:01:07,360 --> 00:01:21,830
ready

5
00:01:32,230 --> 00:01:23,830
very nice if you're right in here

6
00:01:32,240 --> 00:01:36,149
all right guys

7
00:01:47,510 --> 00:01:37,270
right in here

8
00:01:47,520 --> 00:02:03,910
don't make me laugh

9
00:02:03,920 --> 00:02:08,630
what about my hair

10
00:02:19,589 --> 00:02:11,830
i have to go visit cat again

11
00:02:19,599 --> 00:02:30,550
okay

12
00:02:34,150 --> 00:02:32,790
all right guys right in here for me

13
00:02:35,430 --> 00:02:34,160

good good good

14

00:02:37,430 --> 00:02:35,440

great

15

00:02:39,350 --> 00:02:37,440

kevin just a little head tilt just touch

16

00:02:40,070 --> 00:02:39,360

good job guys

17

00:02:43,030 --> 00:02:40,080

good

18

00:02:44,229 --> 00:02:43,040

all right one more big smile this time

19

00:02:45,270 --> 00:02:44,239

there you go

20

00:02:49,030 --> 00:02:45,280

good

21

00:02:55,509 --> 00:02:52,869

all right here we go right in there

22

00:02:57,670 --> 00:02:55,519

yeah more

23

00:02:58,790 --> 00:02:57,680

am i doing not smiling this time sure

24

00:03:00,470 --> 00:02:58,800

yes

25

00:03:01,990 --> 00:03:00,480

sir you know i said not well that's what

26

00:03:05,030 --> 00:03:02,000

i was doing

27

00:03:08,070 --> 00:03:05,040

let's let's smile less

28

00:03:11,270 --> 00:03:08,080

less no smiles oh less smiles less

29

00:03:11,280 --> 00:03:28,949

okay guys here we go

30

00:03:28,959 --> 00:03:45,030

no smile this time

31

00:03:47,830 --> 00:03:47,110

one more

32

00:04:24,390 --> 00:03:47,840

good

33

00:04:27,749 --> 00:04:25,590

it's all right

34

00:04:32,310 --> 00:04:27,759

maybe they'll put some nice pants on us

35

00:04:47,350 --> 00:04:34,629

look who's there on tv right now look

36

00:04:49,909 --> 00:04:48,790

all right sure how's that all the way

37

00:04:53,990 --> 00:04:49,919

around your legs a little closer

38

00:04:57,030 --> 00:04:55,030

perfect

39

00:04:58,230 --> 00:04:57,040

done okay we're all done

40

00:05:21,670 --> 00:04:58,240

yeah

41

00:05:21,680 --> 00:05:31,430

all right guys

42

00:05:31,440 --> 00:05:41,670

okay

43

00:05:41,680 --> 00:05:58,950

professional models very nice

44

00:06:03,270 --> 00:06:00,950

good and tom and chris let me get you

45

00:06:07,029 --> 00:06:03,280

guys to switch real quick

46

00:06:11,670 --> 00:06:08,469

probably facing the same way tom so kind

47

00:06:16,230 --> 00:06:14,230

a little closer

48

00:06:17,909 --> 00:06:16,240

right there good how's it that looks

49

00:06:21,110 --> 00:06:17,919

good guys

50

00:06:23,590 --> 00:06:21,120

tiny tiny hit tilt there you go

51
00:06:25,990 --> 00:06:23,600
good all right guys here we go ready one

52
00:06:30,150 --> 00:06:27,909
three yeah you can do a

53
00:06:32,469 --> 00:06:30,160
patch floating right up about hand level

54
00:06:34,950 --> 00:06:32,479
right yeah because you can't use the

55
00:06:38,230 --> 00:06:34,960
feet for this word right that would be

56
00:07:36,390 --> 00:06:56,550
all right

57
00:07:50,150 --> 00:07:37,230
all

58
00:07:54,150 --> 00:07:52,309
so

59
00:07:56,070 --> 00:07:54,160
before you take off the pva this is

60
00:07:58,710 --> 00:07:56,080
particularly true for pbas for people

61
00:08:00,150 --> 00:07:58,720
that have come from

62
00:08:02,790 --> 00:08:00,160
you're going to

63
00:08:04,469 --> 00:08:02,800

flip the mask to normal somewhere in

64

00:08:06,230 --> 00:08:04,479

there take a deep breath

65

00:08:08,309 --> 00:08:06,240

it's actually recommended to me by

66

00:08:09,909 --> 00:08:08,319

people that died that you take three or

67

00:08:11,589 --> 00:08:09,919

four shallow breaths

68

00:08:13,589 --> 00:08:11,599

and then a deep breath of course this is

69

00:08:15,350 --> 00:08:13,599

going to be oxygen so that's going to

70

00:08:16,150 --> 00:08:15,360

help

71

00:08:17,670 --> 00:08:16,160

because

72

00:08:19,990 --> 00:08:17,680

the air that you're breathing in through

73

00:08:24,550 --> 00:08:20,000

the cartridges goes into this common

74

00:08:29,270 --> 00:08:26,950

so we've got a video it's about a minute

75

00:08:31,749 --> 00:08:29,280

and a half long uh the first part of it

76

00:08:34,709 --> 00:08:31,759

is doing the visual checks on the mask

77

00:08:37,190 --> 00:08:34,719

the second step is for step two here

78

00:08:39,430 --> 00:08:37,200

and the actual first

79

00:08:42,310 --> 00:08:39,440

part of the procedure

80

00:08:44,550 --> 00:08:42,320

what i found doing this actually

81

00:08:46,470 --> 00:08:44,560

i want to breathe

82

00:08:48,070 --> 00:08:46,480

so you move from this immediately

83

00:08:51,030 --> 00:08:48,080

putting your hands over the cartridges

84

00:09:06,070 --> 00:08:51,040

and bring them and the masks it shuts

85

00:09:08,630 --> 00:09:07,509

so once you have your respirator kit in

86

00:09:10,230 --> 00:09:08,640

front of you

87

00:09:15,750 --> 00:09:10,240

you need to take your mouse and remove

88

00:09:21,350 --> 00:09:17,990

clarify that both orange gaskets are in

89

00:09:22,949 --> 00:09:21,360

place at the cartridge detach points

90

00:09:24,550 --> 00:09:22,959

verify that the white ceiling discs are

91

00:09:29,430 --> 00:09:24,560

in place on the inside of the cartridge

92

00:09:33,269 --> 00:09:31,670

block exhalation port with hand breathed

93

00:09:45,269 --> 00:09:33,279

out forcefully

94

00:09:49,670 --> 00:09:47,750

there's one in the sm

95

00:09:51,829 --> 00:09:49,680

this is number two the other one is

96

00:09:53,110 --> 00:09:51,839

number one so just carry the big pocket

97

00:09:55,430 --> 00:09:53,120

line the little one here this one this

98

00:09:57,829 --> 00:09:55,440

one is non-functional anything going on

99

00:10:00,310 --> 00:09:57,839

here do you see anything where why are

100

00:10:02,470 --> 00:10:00,320

you closing that

101
00:10:07,509 --> 00:10:02,480
oh you heard something

102
00:10:12,389 --> 00:10:10,069
he said he um felt something in columbus

103
00:10:13,590 --> 00:10:12,399
too so he's closed in this house

104
00:10:18,310 --> 00:10:13,600
just to let you know we felt something

105
00:10:21,590 --> 00:10:19,030
and

106
00:10:24,230 --> 00:10:21,600
houston station on one can you silence

107
00:10:25,990 --> 00:10:24,240
all tones as well please

108
00:10:28,630 --> 00:10:26,000
we'll do that

109
00:10:30,790 --> 00:10:28,640
yuri oleg and evgeny uh you probably

110
00:10:33,350 --> 00:10:30,800
copied the last sounds like there was a

111
00:10:35,110 --> 00:10:33,360
noise in columbus we've closed the hatch

112
00:10:37,910 --> 00:10:35,120
the rapid depress alarm has gone off

113
00:10:39,750 --> 00:10:37,920

we're going to go to procedure 1.3

114

00:10:49,750 --> 00:10:39,760

we're in the lab are you guys all down

115

00:10:49,760 --> 00:11:12,470

you want to stay up here

116

00:11:16,949 --> 00:11:15,030

we're using your pages right yeah we

117

00:11:18,150 --> 00:11:16,959

should but we should go we've done what

118

00:11:20,470 --> 00:11:18,160

we need to do here we should go back

119

00:11:22,310 --> 00:11:20,480

there head on back yeah i think so

120

00:11:24,069 --> 00:11:22,320

738 139

121

00:11:25,509 --> 00:11:24,079

bring that alone

122

00:11:28,150 --> 00:11:25,519

do we want to take any you want to take

123

00:11:29,190 --> 00:11:28,160

a pba or two or

124

00:11:31,350 --> 00:11:29,200

i think we should just leave them in

125

00:11:33,190 --> 00:11:31,360

their appropriate places yes let me know

126
00:11:34,790 --> 00:11:33,200
okay

127
00:11:36,550 --> 00:11:34,800
and yuri we're on our way back to the

128
00:11:37,829 --> 00:11:36,560
service module it looks like the

129
00:11:43,350 --> 00:11:37,839
pressure's holding but we're on our way

130
00:11:43,360 --> 00:11:58,790
oops sorry

131
00:11:58,800 --> 00:12:22,629
there's some in the ftb

132
00:12:22,639 --> 00:12:31,750
i got

133
00:12:34,790 --> 00:12:33,509
745

134
00:12:44,230 --> 00:12:34,800
it's

135
00:12:47,990 --> 00:12:45,750
1.3

136
00:12:53,030 --> 00:12:48,000
it looks like the pressure is stable the

137
00:12:54,949 --> 00:12:53,040
pressure right now is 743 745 excuse me

138
00:12:56,230 --> 00:12:54,959

and so we're holding here to see if we

139

00:12:59,509 --> 00:12:56,240

have any further action because right

140

00:13:01,110 --> 00:12:59,519

now it looks like the pressure is stable

141

00:13:03,030 --> 00:13:01,120

okay we cut

142

00:13:05,269 --> 00:13:03,040

sunny and we see the stack pressure is

143

00:13:06,949 --> 00:13:05,279

stable but pressure in columbus is

144

00:13:08,550 --> 00:13:06,959

decreasing rapidly

145

00:13:09,590 --> 00:13:08,560

okay copy that i guess that's where the

146

00:13:11,670 --> 00:13:09,600

leak is

147

00:13:13,509 --> 00:13:11,680

um

148

00:13:15,350 --> 00:13:13,519

we only closed the uh

149

00:13:17,430 --> 00:13:15,360

columbus port

150

00:13:23,110 --> 00:13:17,440

node

151
00:13:27,910 --> 00:13:26,069
the one that's that's columbus port yeah

152
00:13:29,269 --> 00:13:27,920
it's sucked in isn't it yeah

153
00:13:31,829 --> 00:13:29,279
would that hold

154
00:13:46,629 --> 00:13:31,839
it's not that's not a part which is that

155
00:13:51,350 --> 00:13:50,470
right now that one's too set to close

156
00:13:56,069 --> 00:13:51,360
okay

157
00:13:56,079 --> 00:13:59,430
hearing something

158
00:14:02,870 --> 00:14:00,949
okay

159
00:14:04,870 --> 00:14:02,880
that sounds like the situation that

160
00:14:06,790 --> 00:14:04,880
takes the moment and stand by if we want

161
00:14:09,750 --> 00:14:06,800
you to take further action

162
00:14:13,269 --> 00:14:11,990
i wanted to push before and i tried to

163
00:14:14,870 --> 00:14:13,279

talk

164

00:14:37,990 --> 00:14:14,880

yeah you didn't also

165

00:14:41,189 --> 00:14:39,670

i was just about to my finger was like

166

00:14:43,590 --> 00:14:41,199

right now it will be a little late

167

00:14:47,670 --> 00:14:45,670

but my point is i think we all had it

168

00:14:51,829 --> 00:14:47,680

established with the ground yeah all the

169

00:15:12,389 --> 00:14:54,790

1.3 yeah that's why

170

00:15:17,509 --> 00:15:14,389

so if anybody says one point three two

171

00:15:19,189 --> 00:15:17,519

only because you said one country okay

172

00:15:20,710 --> 00:15:19,199

all right i agree

173

00:15:37,030 --> 00:15:20,720

i agree yes

174

00:15:37,040 --> 00:15:51,670

come on out to the lab

175

00:15:51,680 --> 00:15:57,910

be careful

176

00:16:18,870 --> 00:15:59,670

we got everybody out of there right

177

00:16:18,880 --> 00:16:32,470

there's another flashlight

178

00:16:37,189 --> 00:16:34,470

let's get readings here so what are our

179

00:16:38,310 --> 00:16:37,199

numbers tom readings in the node one are

180

00:16:40,870 --> 00:16:38,320

five

181

00:16:43,910 --> 00:16:40,880

zero decimal two and zero

182

00:16:47,269 --> 00:16:43,920

and um can i can we get them in the lab

183

00:16:49,749 --> 00:16:47,279

lab one two three

184

00:16:51,590 --> 00:16:49,759

one two four decimal nine two decimal

185

00:16:52,629 --> 00:16:51,600

seven

186

00:16:55,509 --> 00:16:52,639

okay

187

00:16:57,350 --> 00:16:55,519

they're masking two hundred right

188

00:16:59,430 --> 00:16:57,360

two hundred eight okay two hundred five

189

00:17:06,870 --> 00:16:59,440

five or two hundred twenty five still

190

00:17:10,789 --> 00:17:09,029

and houston station on space to round

191

00:17:14,230 --> 00:17:10,799

one

192

00:17:26,949 --> 00:17:14,240

members

193

00:17:33,190 --> 00:17:29,430

and houston uh station on space to

194

00:17:35,270 --> 00:17:33,200

ground one yeah we're preparing masks

195

00:17:38,549 --> 00:17:35,280

respirators and uh we're just sort of

196

00:17:39,430 --> 00:17:38,559

standing by on step four procedure two

197

00:17:40,630 --> 00:17:39,440

point

198

00:17:42,390 --> 00:17:40,640

one two

199

00:17:44,070 --> 00:17:42,400

just tell us what you would advise us to

200

00:17:49,750 --> 00:17:44,080

do there

201
00:17:52,549 --> 00:17:51,350
well are they gonna do that i don't know

202
00:17:56,310 --> 00:17:52,559
if they're gonna

203
00:17:59,909 --> 00:17:57,750
and houston just let us know if you'd

204
00:18:01,430 --> 00:17:59,919
like us to remove module power or if you

205
00:18:03,350 --> 00:18:01,440
want to wait or if you guys want to

206
00:18:05,909 --> 00:18:03,360
remove module power that's definitely

207
00:18:07,029 --> 00:18:05,919
that would be like the cabin

208
00:18:08,470 --> 00:18:07,039
right you'd rather not keep it on the

209
00:18:11,590 --> 00:18:08,480
heaven on the pump

210
00:18:15,190 --> 00:18:12,870
we'll just compare these two then the

211
00:18:16,310 --> 00:18:15,200
one on the pump and whatnot

212
00:18:20,230 --> 00:18:16,320
yeah

213
00:18:24,630 --> 00:18:22,549

on space around one we'd like you to

214

00:18:29,430 --> 00:18:24,640

move to

215

00:18:31,110 --> 00:18:29,440

6.10 unless you know what the source is

216

00:18:31,830 --> 00:18:31,120

that's the other book

217

00:18:33,270 --> 00:18:31,840

yeah

218

00:18:35,110 --> 00:18:33,280

kevin's on it

219

00:18:37,270 --> 00:18:35,120

okay copy that we're opening up

220

00:18:39,110 --> 00:18:37,280

eemer26.10

221

00:18:41,350 --> 00:18:39,120

and just to let you know once again

222

00:18:43,190 --> 00:18:41,360

we've got a leg beginning

223

00:18:45,110 --> 00:18:43,200

and you're preparing the restaurant did

224

00:18:50,310 --> 00:18:45,120

you did you see an rpc

225

00:18:53,909 --> 00:18:52,470

okay but they gave us

226

00:18:55,110 --> 00:18:53,919

something tell me which one it was

227

00:18:57,750 --> 00:18:55,120

before we head up

228

00:19:04,390 --> 00:18:57,760

starboard floor golf one star report

229

00:19:18,950 --> 00:19:06,390

and you know where it is struggle for

230

00:19:21,990 --> 00:19:20,630

and we should take uh kind of prep a

231

00:19:23,830 --> 00:19:22,000

fire extinguisher

232

00:19:25,909 --> 00:19:23,840

i got one you got that but if you're

233

00:19:29,029 --> 00:19:25,919

gonna shoot this you need to put it all

234

00:19:32,070 --> 00:19:29,039

together yeah starboard four golf one

235

00:19:34,470 --> 00:19:32,080

okay so as you go in from the lab

236

00:19:35,590 --> 00:19:34,480

it's on the port side

237

00:19:47,270 --> 00:19:35,600

starboard

238

00:19:49,750 --> 00:19:48,870

i think that's like a rotated picture

239

00:19:58,230 --> 00:19:49,760

there

240

00:20:01,270 --> 00:19:59,430

so we're going to go in and sample the

241

00:20:03,750 --> 00:20:01,280

atmosphere and then look behind the

242

00:20:05,110 --> 00:20:03,760

panel and compare the readings

243

00:20:06,549 --> 00:20:05,120

and then we'll record them back to you

244

00:20:08,710 --> 00:20:06,559

on the page loop does that sound good

245

00:20:09,990 --> 00:20:08,720

and aki i need you here at the csacp

246

00:20:12,310 --> 00:20:10,000

because they're going to open up so we

247

00:20:13,990 --> 00:20:12,320

me and you need to be ready for

248

00:20:16,070 --> 00:20:14,000

pbas

249

00:20:16,870 --> 00:20:16,080

in case it gets bad

250

00:20:18,630 --> 00:20:16,880

right

251

00:20:24,149 --> 00:20:18,640

so

252

00:20:26,950 --> 00:20:25,510

you're taking the sample port you

253

00:20:28,149 --> 00:20:26,960

probably want we probably need another

254

00:20:34,870 --> 00:20:28,159

one

255

00:20:52,470 --> 00:20:34,880

right oh okay you guys have two awesome

256

00:20:56,549 --> 00:20:55,029

if you can keep an eye on the csacp

257

00:20:58,630 --> 00:20:56,559

every day

258

00:21:23,590 --> 00:20:58,640

just make sure that smoke's not coming

259

00:21:23,600 --> 00:21:36,710

three

260

00:21:41,270 --> 00:21:38,870

behind that port

261

00:21:51,590 --> 00:21:41,280

very high level behind that four bigger

262

00:21:55,350 --> 00:21:52,950

report we have pretty high readings

263

00:22:04,149 --> 00:21:55,360

somewhere around 400 we'll get a number

264

00:22:04,159 --> 00:22:24,310

is

265

00:22:27,990 --> 00:22:26,390

okay we should do step three right yeah

266

00:22:30,549 --> 00:22:28,000

can we have a background rating in those

267

00:22:32,149 --> 00:22:30,559

two step three you wanna do step three

268

00:22:34,710 --> 00:22:32,159

now

269

00:22:52,870 --> 00:22:34,720

you got three three three yeah step

270

00:23:08,789 --> 00:22:55,350

three six decimal five

271

00:23:11,270 --> 00:23:10,310

just so we all know where we're going

272

00:23:13,750 --> 00:23:11,280

after this

273

00:23:15,669 --> 00:23:13,760

we'll go in and sample again

274

00:23:17,590 --> 00:23:15,679

and if it's if it's above then we're

275

00:23:21,270 --> 00:23:17,600

going to be going to node 2 electrical

276

00:23:22,950 --> 00:23:21,280

power off the ground is ready for this

277

00:23:25,590 --> 00:23:22,960

so they're going to ask this question

278

00:23:28,390 --> 00:23:25,600

sample fire report for five minutes and

279

00:23:30,230 --> 00:23:28,400

we'll record the values every 30 seconds

280

00:23:34,470 --> 00:23:30,240

how long do you want to make the video

281

00:23:34,480 --> 00:23:39,430

so we're next in this step four

282

00:23:42,950 --> 00:23:41,110

just to let you know when they unpowered

283

00:24:02,870 --> 00:23:42,960

that the starboard atu doesn't work so

284

00:24:02,880 --> 00:24:10,390

almost

285

00:24:13,909 --> 00:24:11,909

houston just to let you know we've

286

00:24:15,990 --> 00:24:13,919

reopened the hatch it really wasn't

287

00:24:18,549 --> 00:24:16,000

closed we sort of pre-created it anyway

288

00:24:20,470 --> 00:24:18,559

but uh yuri and kevin are back in there

289

00:24:23,430 --> 00:24:20,480

the background reading

290

00:24:26,470 --> 00:24:23,440

is about to say around 300.

291

00:24:28,310 --> 00:24:26,480

fireport reading is four five five

292

00:24:30,470 --> 00:24:28,320

four five five

293

00:24:33,269 --> 00:24:30,480

report uh five point reading four five

294

00:24:35,669 --> 00:24:33,279

five i think it's a little higher

295

00:24:39,430 --> 00:24:38,070

uh readings are increasing

296

00:24:42,310 --> 00:24:39,440

yeah it increased a little bit it's

297

00:25:03,990 --> 00:24:42,320

about four five five but that rate has

298

00:25:04,000 --> 00:25:49,990

oh

299

00:26:17,909 --> 00:26:03,110

come on

300

00:26:17,919 --> 00:26:52,310

okay look here guys please smile

301
00:26:52,320 --> 00:27:16,470
uh

302
00:27:16,480 --> 00:27:45,990
oh

303
00:27:46,000 --> 00:28:01,430
cheese

304
00:28:01,440 --> 00:28:21,350
god

305
00:28:21,360 --> 00:28:43,750
is

306
00:28:43,760 --> 00:29:09,510
sorry

307
00:29:09,520 --> 00:29:28,149
foreign

308
00:29:28,159 --> 00:30:06,789
um

309
00:30:06,799 --> 00:30:20,310
so

310
00:30:20,320 --> 00:30:32,230
all right

311
00:30:35,669 --> 00:30:33,110
okay

312
00:30:37,830 --> 00:30:35,679
and then uh let's see we get hypoxic uh

313
00:30:40,389 --> 00:30:37,840

we have bad oxygen in the aircraft

314

00:30:41,990 --> 00:30:40,399

how do you get oxygen yep you got your

315

00:30:44,230 --> 00:30:42,000

not a green apple anymore but that's not

316

00:30:45,909 --> 00:30:44,240

how you yank it okay all right that's

317

00:30:47,110 --> 00:30:45,919

actually when we ride the rails if we

318

00:31:25,269 --> 00:30:47,120

have this automatically actually

319

00:31:25,279 --> 00:31:53,990

do

320

00:31:54,000 --> 00:32:09,990

so

321

00:34:13,349 --> 00:32:12,190

yep about an hour

322

00:34:13,359 --> 00:34:26,790

nice morning

323

00:34:26,800 --> 00:34:52,550

those things

324

00:34:52,560 --> 00:35:05,190

so

325

00:35:10,230 --> 00:35:07,190

you got that one i'll get this one all

326
00:35:10,240 --> 00:35:31,109
creek

327
00:35:31,119 --> 00:35:49,510
looks good to me

328
00:35:49,520 --> 00:37:34,790
uh

329
00:37:34,800 --> 00:37:48,790
my

330
00:37:51,990 --> 00:37:50,710
and also for dragon do we still have a

331
00:37:54,310 --> 00:37:52,000
couple things we're going to look at on

332
00:37:56,390 --> 00:37:54,320
this display this triangle here

333
00:37:59,829 --> 00:37:56,400
remember that where i said i want to see

334
00:38:02,069 --> 00:38:01,190
yeah we don't have to worry about that

335
00:38:03,670 --> 00:38:02,079
today

336
00:38:04,710 --> 00:38:03,680
yeah cause that's that changes some

337
00:38:06,150 --> 00:38:04,720
stuff

338
00:38:07,190 --> 00:38:06,160

the cygnus is going to have that too

339

00:38:30,150 --> 00:38:07,200

right

340

00:38:30,160 --> 00:38:44,069

and looking for

341

00:38:44,079 --> 00:39:03,270

all right

342

00:39:03,280 --> 00:39:28,069

one minute

343

00:39:28,079 --> 00:39:45,829

is

344

00:39:45,839 --> 00:40:25,829

safe

345

00:40:25,839 --> 00:41:09,510

is

346

00:41:09,520 --> 00:41:25,589

okay

347

00:41:25,599 --> 00:41:44,230

yes

348

00:42:43,030 --> 00:42:24,470

foreign

349

00:42:43,040 --> 00:43:31,190

okay

350

00:44:55,910 --> 00:43:42,230

foreign

351
00:45:01,109 --> 00:44:57,990
so we have to auto cycle them once a

352
00:45:13,910 --> 00:45:01,119
year if we don't use them

353
00:45:18,870 --> 00:45:15,270
should be the

354
00:45:21,829 --> 00:45:18,880
emu lithium-ion battery long charged

355
00:45:25,030 --> 00:45:22,630
okay

356
00:45:27,190 --> 00:45:25,040
either end of 120 volt power cable can

357
00:45:28,870 --> 00:45:27,200
be installed but to functionally work

358
00:45:30,550 --> 00:45:28,880
cable ends must be installed accorded to

359
00:45:33,990 --> 00:45:30,560
their labels

360
00:45:34,000 --> 00:45:36,950
yeah

361
00:45:40,390 --> 00:45:38,309
on the charger

362
00:45:41,750 --> 00:45:40,400
as required remove the caps on the

363
00:45:43,750 --> 00:45:41,760

charger

364

00:45:46,309 --> 00:45:43,760

and the cable connectors and then we

365

00:45:48,230 --> 00:45:46,319

want to connect the lithium

366

00:45:50,790 --> 00:45:48,240

the emu lyo

367

00:45:55,349 --> 00:45:50,800

lithium ion battery

368

00:46:01,030 --> 00:45:58,470

why is the 28 volt power cable the 9

369

00:46:03,430 --> 00:46:01,040

foot 28 volt power cable okay

370

00:46:05,829 --> 00:46:03,440

and the end that says

371

00:46:08,550 --> 00:46:05,839

emu lithium ion battery and connect it

372

00:46:24,069 --> 00:46:08,560

to the charger power connector

373

00:46:30,069 --> 00:46:28,069

so we need to record the battery bolts

374

00:46:31,990 --> 00:46:30,079

that's 18.51 in this temperature and

375

00:46:33,589 --> 00:46:32,000

module volts in table one report to hear

376

00:46:35,829 --> 00:46:33,599

someone again

377

00:46:38,390 --> 00:46:35,839

so i see

378

00:46:39,790 --> 00:46:38,400

how do you read this

379

00:46:42,710 --> 00:46:39,800

i see

380

00:46:45,270 --> 00:46:42,720

18.51 volts i think and then battery

381

00:46:48,309 --> 00:46:45,280

temp 20 battery volts temperature and

382

00:46:50,390 --> 00:46:48,319

module volts module five modules

383

00:46:52,230 --> 00:46:50,400

yeah volts okay

384

00:46:53,910 --> 00:46:52,240

correct we report we write these in the

385

00:47:05,750 --> 00:46:53,920

table report to the ground you want me

386

00:47:05,760 --> 00:47:17,990

found a plug that looks right

387

00:47:18,000 --> 00:47:31,270

nicely tied up

388

00:47:31,280 --> 00:48:04,950

if i were to do it

389

00:48:09,349 --> 00:48:07,270

temperature valve actually max cold

390

00:48:11,910 --> 00:48:09,359

uh check status water temperature record

391

00:48:13,990 --> 00:48:11,920

the water temperature on the acm

392

00:48:36,630 --> 00:48:14,000

as congressmen tell you here we switched

393

00:48:36,640 --> 00:49:06,870

you need to do that

394

00:49:06,880 --> 00:49:28,390

thank you

395

00:49:28,400 --> 00:49:42,549

oh

396

00:49:42,559 --> 00:50:15,829

thinking about

397

00:50:15,839 --> 00:50:55,589

okay

398

00:51:01,109 --> 00:50:57,349

absolutely

399

00:51:08,470 --> 00:51:04,150

wait anyway

400

00:51:08,480 --> 00:51:31,349

oh

401
00:51:31,359 --> 00:52:42,950
he makes flashes

402
00:52:48,870 --> 00:52:43,910
together

403
00:52:52,549 --> 00:52:50,230
yeah well i don't know how the soyuz on

404
00:52:55,190 --> 00:52:52,559
the fgb nader

405
00:52:56,470 --> 00:52:55,200
what happened to the meme

406
00:53:11,589 --> 00:52:56,480
i don't know any of these caution

407
00:53:15,030 --> 00:53:13,030
you saw they had an outstanding question

408
00:53:16,150 --> 00:53:15,040
in the um daily summary for you tom they

409
00:53:17,030 --> 00:53:16,160
were going to answer

410
00:53:19,510 --> 00:53:17,040
thanks

411
00:53:22,630 --> 00:53:19,520
sound like a second page here

412
00:53:22,640 --> 00:53:26,870
give him give me two minutes

413
00:53:26,880 --> 00:53:31,750

yeah there's time sure

414

00:53:35,670 --> 00:53:33,589

well yeah not really the russians are in

415

00:53:39,109 --> 00:53:35,680

control masters

416

00:53:41,270 --> 00:53:39,119

so we are in uh we're not in

417

00:53:43,190 --> 00:53:41,280

drift

418

00:53:45,990 --> 00:53:43,200

really what's attitude control

419

00:53:47,670 --> 00:53:46,000

russians are masters thrusters

420

00:53:52,710 --> 00:53:47,680

why

421

00:53:56,470 --> 00:53:52,720

bit yeah

422

00:53:59,109 --> 00:53:57,910

yeah i think cnc was one two three

423

00:54:01,829 --> 00:53:59,119

wouldn't it yeah

424

00:54:07,829 --> 00:54:01,839

okay or one yeah prime's in one backups

425

00:54:07,839 --> 00:54:16,390

did you have a look at comic con

426
00:54:16,400 --> 00:54:36,470
uh

427
00:54:36,480 --> 00:55:05,510
i only want

428
00:55:05,520 --> 00:55:28,710
um

429
00:55:28,720 --> 00:55:46,630
just

430
00:56:07,670 --> 00:56:03,750
okay

431
00:56:11,990 --> 00:56:07,680
do you have any questions for us before

432
00:56:17,829 --> 00:56:15,670
we are going to have uh munich scuba or

433
00:56:22,470 --> 00:56:17,839
moscow they won't have anything for you

434
00:56:25,510 --> 00:56:24,390
okay as i understand it then the dpc is

435
00:56:27,190 --> 00:56:25,520
complete

436
00:56:29,349 --> 00:56:27,200
um we have no further questions and

437
00:57:10,870 --> 00:56:29,359
we'll start into ostpbb a little bit

438
00:57:10,880 --> 00:57:31,670

uh

439

00:57:31,680 --> 00:57:42,549

step 1 400 steps