

1

00:00:00,000 --> 00:00:02,760

Do not try what you're about to see at home.

2

00:00:02,760 --> 00:00:05,720

We consult with experts, we take every precaution

3

00:00:05,720 --> 00:00:08,480

and we have years of experience in dangerous situations.

4

00:00:10,160 --> 00:00:17,160

On this episode of Big Busters, I am gobsmacked.

5

00:00:17,160 --> 00:00:22,160

Adam and Jamie restage a backyard bonfire of ice and thermite

6

00:00:22,160 --> 00:00:24,840

that still baffles the experts.

7

00:00:24,840 --> 00:00:27,920

Next, Tori, Grant and Carrie pop up the volume

8

00:00:27,920 --> 00:00:30,640

to try to trigger a car full of rifles

9

00:00:30,640 --> 00:00:32,920

with a thumping car stereo.

10

00:00:32,920 --> 00:00:33,520

Come on.

11

00:00:33,520 --> 00:00:34,280

Fire on.

12

00:00:34,280 --> 00:00:38,760

From sound waves to shock waves, the hits just plonk coming.

13

00:00:38,760 --> 00:00:41,160

You're not a wreck of party.

14

00:00:41,160 --> 00:00:45,520

And then there's the myth of the gun with a gas problem,

15

00:00:45,520 --> 00:00:48,880

where an awkward grip could cost you your favorite finger.

16

00:00:48,880 --> 00:00:51,400

That gun has a heck of a kick.

17

00:00:51,400 --> 00:00:54,800

It's not for the faint-hearted, but there's always room

18

00:00:54,800 --> 00:00:55,560

for a chicken.

19

00:00:57,920 --> 00:01:03,560

Who are the Myth Busters?

20

00:01:03,560 --> 00:01:04,280

Adam Savage.

21

00:01:04,280 --> 00:01:08,120

Today's forecast, 70% chance of science.

22

00:01:08,120 --> 00:01:09,320

And Jamie Heineman.

23

00:01:09,320 --> 00:01:12,520

It's fun, yet deadly.

24

00:01:12,520 --> 00:01:15,560

Between them more than 30 years of special effects

25

00:01:15,560 --> 00:01:24,680

experience, joining them, Tori Belleggi, Grant Imahara,

26

00:01:24,680 --> 00:01:26,160

and Carrie Byron.

27

00:01:26,160 --> 00:01:28,320

That was a rush.

28

00:01:28,320 --> 00:01:31,080

They don't just tell the myths.

29

00:01:31,080 --> 00:01:33,000

They put them to the test.

30

00:01:42,120 --> 00:01:46,080

Myth number one is a tale of two extremes.

31

00:01:46,080 --> 00:01:46,760

All right, dude.

32

00:01:46,760 --> 00:01:48,160

Time to fire up that dial-up mode,

33

00:01:48,160 --> 00:01:50,360

and we're going back to the internet for this story.

34

00:01:50,360 --> 00:01:53,400

Oh, well, if it's from the internet, it must be true.

35

00:01:53,400 --> 00:01:54,680

You don't have to be sarcastic.

36

00:01:54,680 --> 00:01:55,800

This one's about thermite.

37

00:01:55,800 --> 00:01:56,880

And I think you'll like it.

38

00:01:56,880 --> 00:01:57,760

What is it?

39

00:01:57,760 --> 00:01:59,800

All right, these two guys, they take a bucket of thermite.

40

00:01:59,800 --> 00:02:01,080

They put it on a bunch of blocks of ice,

41

00:02:01,080 --> 00:02:02,080

and they light it with a fuse.

42

00:02:02,080 --> 00:02:04,800

And it doesn't just burn like we've seen thermite burn.

43

00:02:04,800 --> 00:02:07,360

The whole friggin' thing explodes.

44

00:02:07,360 --> 00:02:08,160

Watch this clip, man.

45

00:02:08,160 --> 00:02:10,600

I think it's actually pretty credible.

46

00:02:10,600 --> 00:02:12,920

Thermite itself shouldn't explode,

47

00:02:12,920 --> 00:02:15,960

though it burns at ferociously high temperatures.

48

00:02:15,960 --> 00:02:19,400

And you'd figure that ice would just melt, right?

49

00:02:19,400 --> 00:02:23,040

But this clip seems to show that when ice needs fire,

50

00:02:23,080 --> 00:02:25,600

the least of your worries is getting your socks wet.

51

00:02:28,760 --> 00:02:30,240

Well, they sure made our job easier.

52

00:02:30,240 --> 00:02:32,480

They showed us everything we need to set this up.

53

00:02:32,480 --> 00:02:33,520

Absolutely.

54

00:02:33,520 --> 00:02:36,520

11 pounds of thermite, 10-1-pound blocks of ice.

55

00:02:36,520 --> 00:02:39,080

And a fuse and a pack of matches set the whole thing off.

56

00:02:39,080 --> 00:02:39,520

I love it.

57

00:02:39,520 --> 00:02:41,720

Let's head out to the bottom range and try it out.

58

00:02:41,720 --> 00:02:43,040

OK.

59

00:02:43,040 --> 00:02:45,240

Now, these two know they're thermite.

60

00:02:45,240 --> 00:02:47,040

Who could forget the racing stripe

61

00:02:47,040 --> 00:02:48,720

they burned through the roof of a car

62

00:02:48,720 --> 00:02:50,640

for the better to end with a bang-miff?

63

00:02:54,040 --> 00:02:57,800

But now, before trying to replicate the ice explosion,

64

00:02:57,800 --> 00:03:01,040

Jamie wants to warm up with a trial by fire.

65

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

Now I'd like to fine-tune what you might call

66

00:03:03,040 --> 00:03:04,640

the thermite delivery system.

67

00:03:04,640 --> 00:03:06,200

But we can also have some fun here.

68

00:03:06,200 --> 00:03:08,440

So what we're building first is a kind of pagoda

69

00:03:08,440 --> 00:03:10,560

from bricks and steel plates.

70

00:03:10,560 --> 00:03:13,280

The idea is to see how many plates the thermite burns

71

00:03:13,280 --> 00:03:15,880

through once it's ignited.

72

00:03:15,880 --> 00:03:18,640

Thermite's a mix of fine metallic powders,

73

00:03:18,640 --> 00:03:21,480

but the ideal ratio is debatable.

74

00:03:21,920 --> 00:03:24,800

Of course, we want the best burn for our buck.

75

00:03:24,800 --> 00:03:27,840

So this penetration test should be a great way

76

00:03:27,840 --> 00:03:31,520

to try out Jamie's special blend.

77

00:03:31,520 --> 00:03:33,640

From here, it's all quite simple.

78

00:03:33,640 --> 00:03:37,640

Jamie sets two matchbooks in the bucket, hooked up to a fuse.

79

00:03:37,640 --> 00:03:38,240

OK.

80

00:03:38,240 --> 00:03:45,640

This is thermite penetration test in three, two, one.

81

00:03:45,640 --> 00:03:49,080

If all goes well, you'll see a cascade of fire burning

82

00:03:49,080 --> 00:03:51,000

through a bunch of steel plates.

83

00:03:51,000 --> 00:03:55,600

And the thermal imaging camera should enhance the experience.

84

00:03:55,600 --> 00:03:58,920

I've always wanted to see this thing in action just like this.

85

00:03:58,920 --> 00:04:01,080

As far as I know, it's never been done before.

86

00:04:01,080 --> 00:04:03,000

I mean, you see what happens after the fact

87

00:04:03,000 --> 00:04:06,320

that we're going to see the whole thing all at once.

88

00:04:06,320 --> 00:04:09,640

So this little pre-myth appetizer could go anywhere.

89

00:04:17,120 --> 00:04:18,240

There we go.

90

00:04:18,240 --> 00:04:18,760

One, two, three.

91

00:04:18,760 --> 00:04:20,760

Nice.

92

00:04:20,760 --> 00:04:23,040

Oh.

93

00:04:23,040 --> 00:04:24,040

Four plates.

94

00:04:24,040 --> 00:04:24,540

Right, right.

95

00:04:24,540 --> 00:04:26,640

The top one in three down.

96

00:04:26,640 --> 00:04:27,720

That was pretty cool.

97

00:04:27,720 --> 00:04:29,280

It was.

98

00:04:29,280 --> 00:04:30,840

Cool isn't the word.

99

00:04:30,840 --> 00:04:33,400

At 4,000 degrees Fahrenheit, the burn

100

00:04:33,400 --> 00:04:35,960

is too bright to view at close quarters.

101

00:04:35,960 --> 00:04:38,600

It's a major meltdown.

102

00:04:38,600 --> 00:04:40,040

Look, he hangs up in the gallery.

103

00:04:40,040 --> 00:04:42,640

He'll make it like a million dollars.

104

00:04:42,640 --> 00:04:46,360

So Jamie's special thermite blend is hot to drop.

105

00:04:46,600 --> 00:04:50,760

To see if 11 pounds of it is enough to actually explode

106

00:04:50,760 --> 00:04:53,280

10 blocks of solid water.

107

00:04:53,280 --> 00:04:56,080

Well, look, let's clean this up, get some ice blocks out here,

108

00:04:56,080 --> 00:04:58,440

and replicate that video.

109

00:04:58,440 --> 00:05:00,640

That's what we're here for.

110

00:05:00,640 --> 00:05:01,140

Ah!

111

00:05:11,640 --> 00:05:13,240

All right, so this myth comes from a viewer.

112

00:05:13,240 --> 00:05:15,120

It's called woofer weaponry.

113

00:05:15,120 --> 00:05:16,800

Try saying that three times fast.

114

00:05:16,800 --> 00:05:18,240

OK, besides being a tongue twister,

115

00:05:18,240 --> 00:05:19,520

what are we talking about here?

116

00:05:19,520 --> 00:05:23,200

This is that a subwoofer can actually set off a weapon.

117

00:05:23,200 --> 00:05:26,040

But not just any weapon, a very specific type of combat

118

00:05:26,040 --> 00:05:27,680

rifle called an SKS.

119

00:05:27,680 --> 00:05:28,280

Cool.

120

00:05:28,280 --> 00:05:29,200

Tell me more.

121

00:05:29,200 --> 00:05:30,760

The story is that these Russian gangsters

122

00:05:30,760 --> 00:05:32,080

are driving around with these weapons

123

00:05:32,080 --> 00:05:33,080

in the back of their car.

124

00:05:33,080 --> 00:05:34,200

Let's face it, they're gangsters.

125

00:05:34,200 --> 00:05:35,280

That's what you do.

126

00:05:35,280 --> 00:05:38,120

And their car has this crazy boom and stereo system.

127

00:05:38,120 --> 00:05:39,400

They pull up next to these girls,

128

00:05:39,400 --> 00:05:42,080

and they try to impress them so they crank up the volume.

129

00:05:42,080 --> 00:05:44,920

The stereo system's so loud, the guns begin to vibrate,

130

00:05:44,920 --> 00:05:47,840

and suddenly, bang, bang, bang, all the guns go off.

131

00:05:47,840 --> 00:05:49,560

Gunfire not being the best pickup line,

132

00:05:49,560 --> 00:05:51,200

I'm assuming it scared off the girls.

133

00:05:51,200 --> 00:05:52,360

Talk about embarrassing.

134

00:05:52,360 --> 00:05:53,080

Yeah.

135

00:05:53,080 --> 00:05:54,960

Awkward.

136

00:05:54,960 --> 00:05:58,360

This viewer myth is simple and terrifying.

137

00:05:58,360 --> 00:06:01,040

If and when the base gets the car bouncing,

138

00:06:01,040 --> 00:06:04,560

the vibration is supposed to set off the SKS rifles.

139

00:06:04,560 --> 00:06:07,600

And they could potentially keep firing bullets

140

00:06:07,600 --> 00:06:09,400

till the clips run out.

141

00:06:09,400 --> 00:06:10,800

Well, I guess we need to get a car,

142

00:06:10,800 --> 00:06:14,080

install a super loud stereo system, crank it all the way up,

143

00:06:14,080 --> 00:06:16,480

throw some of these rifles in the back, and stand back.

144

00:06:16,480 --> 00:06:18,240

Well, if that doesn't work, there are these cars

145

00:06:18,240 --> 00:06:19,680

that are used for these sound offs.

146

00:06:19,680 --> 00:06:20,960

I mean, they're not really practical.

147

00:06:20,960 --> 00:06:22,960

A gangster might not have one of these.

148

00:06:22,960 --> 00:06:25,160

They're basically giant speakers on wheels.

149

00:06:25,160 --> 00:06:27,600

OK, but first up, I think we need to talk to an expert.

150

00:06:27,600 --> 00:06:30,000

I mean, we need to find out more about this SKS rifle.

151

00:06:30,000 --> 00:06:31,680

I mean, the myth is so specific.

152

00:06:31,680 --> 00:06:32,880

It's really strange.

153

00:06:32,880 --> 00:06:34,280

Definitely.

154

00:06:34,280 --> 00:06:37,200

So it's get acquainted time with the rifles renowned

155

00:06:37,200 --> 00:06:39,480

for their fickle firing habits.

156

00:06:39,480 --> 00:06:41,720

Any of you ever shot an SKS before?

157

00:06:41,720 --> 00:06:42,400

Nope.

158

00:06:42,400 --> 00:06:45,240

But I'm looking forward to it.

159

00:06:45,240 --> 00:06:48,680

Gunsmith Ben Murray knows exactly why these weapons

160

00:06:48,680 --> 00:06:51,240

occasionally shoot themselves.

161

00:06:51,240 --> 00:06:54,000

So what is it about the SKS rifle in particular that

162

00:06:54,000 --> 00:06:55,600

makes it so key to the Smith?

163

00:06:55,600 --> 00:06:57,640

It has a free-floating firing pin as opposed

164

00:06:57,640 --> 00:06:59,440

to a spring-loaded firing pin.

165

00:06:59,440 --> 00:07:00,840

I can show you that.

166

00:07:00,840 --> 00:07:02,600

Just assemble it right quick.

167

00:07:02,600 --> 00:07:05,000

This is the bolt assembly that houses the firing pin.

168

00:07:05,000 --> 00:07:07,840

And as you can see, it moves forward and backwards.

169

00:07:07,840 --> 00:07:09,360

So that just slides around in there.

170

00:07:09,360 --> 00:07:10,080

That's correct.

171

00:07:10,080 --> 00:07:11,600

So if there is no spring in that pin,

172

00:07:11,600 --> 00:07:13,640

does vibrate enough, I mean, could it potentially

173

00:07:13,640 --> 00:07:14,600

set a round off?

174

00:07:14,600 --> 00:07:16,040

I suppose it could.

175

00:07:16,040 --> 00:07:17,720

So there might be some truth to this myth.

176

00:07:17,720 --> 00:07:19,200

There may be.

177

00:07:19,200 --> 00:07:22,480

In most semi-automatic rifles, the spring simply

178

00:07:22,480 --> 00:07:25,320

holds the firing pin at the rear of the housing

179

00:07:25,320 --> 00:07:27,880

until the hammer strikes it, driving the pin

180

00:07:27,880 --> 00:07:30,320

onto the primer and firing the bullet.

181

00:07:30,320 --> 00:07:35,240

But the SKS with no spring has a firing pin that floats free

182

00:07:35,240 --> 00:07:38,320

and could bounce around, potentially causing

183

00:07:38,320 --> 00:07:40,280

an accidental discharge.

184

00:07:40,400 --> 00:07:42,480

There's plenty of verified incidents

185

00:07:42,480 --> 00:07:43,800

to support the claim.

186

00:07:43,800 --> 00:07:46,760

But we want to know if something as simple as sound waves

187

00:07:46,760 --> 00:07:50,080

could really dislodge those springless pins.

188

00:07:50,080 --> 00:07:51,920

So that kind of looks like a problem.

189

00:07:51,920 --> 00:07:53,440

Yes, there's quite a few in our country

190

00:07:53,440 --> 00:07:55,720

that have this free-floating style firing pin.

191

00:07:55,720 --> 00:07:58,240

In fact, that's why we came up with a spring-loaded firing

192

00:07:58,240 --> 00:07:59,800

pin to replace it.

193

00:07:59,800 --> 00:08:01,640

So Ben's fixed the problem.

194

00:08:01,640 --> 00:08:03,720

But to properly test the myth, we're

195

00:08:03,720 --> 00:08:06,600

using guns without the springs.

196

00:08:06,600 --> 00:08:08,360

Now, before we start testing to see whether or not

197

00:08:08,360 --> 00:08:11,520

subwoofers will set one of these off without using the trigger,

198

00:08:11,520 --> 00:08:13,320

we need to make sure ours work.

199

00:08:13,320 --> 00:08:14,640

So that's all we're doing today.

200

00:08:14,640 --> 00:08:16,240

We're just shooting guns.

201

00:08:16,240 --> 00:08:17,160

This day can't suck.

202

00:08:20,240 --> 00:08:22,680

Tori and Grant figure five guns should

203

00:08:22,680 --> 00:08:24,640

make a mythical car full.

204

00:08:24,640 --> 00:08:28,040

So on with the testing.

205

00:08:28,040 --> 00:08:29,840

And when the bullets run out, they

206

00:08:29,840 --> 00:08:32,880

can justify their jubilation.

207

00:08:32,880 --> 00:08:35,200

Now, remember when I said we're not shooting these guns just

208

00:08:35,200 --> 00:08:37,880

for our own enjoyment, but it's actual scientific research?

209

00:08:37,880 --> 00:08:39,240

Well, it turns out it's true.

210

00:08:39,240 --> 00:08:40,920

I mean, we have several of these guns.

211

00:08:40,920 --> 00:08:44,240

But the gun I was using jammed twice during the test.

212

00:08:44,240 --> 00:08:45,840

Ready for the next?

213

00:08:45,840 --> 00:08:47,760

I've had a jam.

214

00:08:47,760 --> 00:08:51,000

So that means we can't use that gun for when we do the experiment

215

00:08:51,000 --> 00:08:51,880

with the subwoofer.

216

00:08:51,880 --> 00:08:54,800

Because if it does jam during our subwoofer test,

217

00:08:54,800 --> 00:08:56,680

it makes it an invalid test.

218

00:08:56,680 --> 00:08:59,720

See, we're not just out here shooting guns for the fun of it.

219

00:08:59,720 --> 00:09:03,520

This is serious scientific experimentation.

220

00:09:03,520 --> 00:09:09,240

With six guns tested and five selected,

221

00:09:09,240 --> 00:09:12,640

it's time to fit a car we call the Great White

222

00:09:12,640 --> 00:09:14,600

with a thumping sound system.

223

00:09:14,600 --> 00:09:15,480

So what's my stereo?

224

00:09:15,480 --> 00:09:16,960

You think we can get in this thing?

225

00:09:16,960 --> 00:09:19,720

I don't know, but we want this thing to vibrate a lot.

226

00:09:19,720 --> 00:09:21,960

Well, we've got no shortage of space.

227

00:09:21,960 --> 00:09:23,680

You know, you could probably fit like four bodies

228

00:09:23,680 --> 00:09:25,080

in the back of this trunk.

229

00:09:25,080 --> 00:09:26,200

Yeah.

230

00:09:26,200 --> 00:09:28,160

Naturally, they've sourced the best

231

00:09:28,160 --> 00:09:31,480

and the basiest system in town.

232

00:09:31,480 --> 00:09:33,000

A little embarrassed about this car.

233

00:09:33,000 --> 00:09:35,440

I think they're going to laugh at us.

234

00:09:35,440 --> 00:09:36,720

I'm laughing at us.

235

00:09:36,720 --> 00:09:40,080

Oh, that is sick.

236

00:09:40,080 --> 00:09:41,920

Hey, kitty, Paul, how are you guys?

237

00:09:41,920 --> 00:09:43,240

Hey, welcome to Auto Sound.

238

00:09:43,240 --> 00:09:44,480

Well, the myth that we're working on

239

00:09:44,480 --> 00:09:47,120

involves a guy with a really big car stereo.

240

00:09:47,120 --> 00:09:50,560

He has a special type of gun in the backseat called an SKS.

241

00:09:50,560 --> 00:09:53,320

The car stereo was so loud that when we turned it up,

242

00:09:53,320 --> 00:09:54,520

it set the gun off.

243

00:09:54,520 --> 00:09:55,560

You think it could happen?

244

00:09:55,560 --> 00:09:56,640

Well, I've seen everything from nose,

245

00:09:56,640 --> 00:09:59,320

please, or crack windshield, so it's possible.

246

00:09:59,320 --> 00:10:01,520

Not quite your standard sales pitch,

247

00:10:01,520 --> 00:10:04,680

but those cracked windshield sound promising.

248

00:10:04,680 --> 00:10:06,320

Ooh.

249

00:10:06,320 --> 00:10:07,080

What is that?

250

00:10:07,080 --> 00:10:10,920

This is a 12-inch square driver from MTX.

251

00:10:10,920 --> 00:10:12,040

It's the 8,500 series.

252

00:10:12,040 --> 00:10:14,640

It's going to handle about 750 watts of RMS.

253

00:10:14,640 --> 00:10:16,840

And it's square because it has more surface area,

254

00:10:16,840 --> 00:10:19,000

which means it's naturally going to have more output.

255

00:10:19,000 --> 00:10:20,840

More speaker, more output.

256

00:10:20,840 --> 00:10:22,840

And I think it's going to do what you guys need it

257

00:10:22,840 --> 00:10:24,040

to do for your application.

258

00:10:24,040 --> 00:10:25,520

Well, you got to see our car first,

259

00:10:25,520 --> 00:10:26,880

and then you can make that call.

260

00:10:26,880 --> 00:10:28,760

OK.

261

00:10:28,760 --> 00:10:31,320

One thing's for certain, a stereo like this

262

00:10:31,320 --> 00:10:34,200

way outclasses the car they drove up in.

263

00:10:34,200 --> 00:10:35,520

This is perfect.

264

00:10:35,520 --> 00:10:36,520

Ha, ha, ha.

265

00:10:36,520 --> 00:10:37,520

Ha, ha, ha.

266

00:10:37,520 --> 00:10:38,520

Ha, ha, ha.

267

00:10:38,520 --> 00:10:39,520

Good.

268

00:10:39,520 --> 00:10:40,520

Still to come.

269

00:10:40,520 --> 00:10:41,520

The heavy beat hits the backseat.

270

00:10:41,520 --> 00:10:42,520

There you go.

271

00:10:42,520 --> 00:10:43,520

Ha, ha, ha.

272

00:10:43,520 --> 00:10:44,520

That's the car.

273

00:10:44,520 --> 00:10:51,520

But next, we see what can go wrong with thermite.

274

00:10:51,520 --> 00:11:02,120

Not for the first time, the Mythbusters are playing with

275

00:11:02,120 --> 00:11:03,120

bikes.

276

00:11:03,120 --> 00:11:04,120

There we go.

277

00:11:04,120 --> 00:11:05,120

One, two, three.

278

00:11:05,120 --> 00:11:09,040

They're set to test a dubious and dangerous internet video

279

00:11:09,040 --> 00:11:12,160

that seems to show exploding eyes.

280

00:11:12,160 --> 00:11:15,000

The clip shows what is purportedly 11 pounds of thermite

281

00:11:15,000 --> 00:11:18,880

in a metal bucket sitting on top of 10 blocks of ice.

282

00:11:18,880 --> 00:11:21,880

They light the thermite, it does what we expect thermite to do,

283

00:11:21,880 --> 00:11:25,320

but then all of a sudden, poof, out it goes in a big explosion,

284

00:11:25,320 --> 00:11:26,880

flinging bits of metal everywhere.

285

00:11:26,880 --> 00:11:30,440

Now, we're going to do exactly what they did and see if we get

286

00:11:30,440 --> 00:11:31,440

the same result.

287

00:11:31,440 --> 00:11:35,520

It's hard to believe that mixing fire and ice could ever end in a

288

00:11:35,520 --> 00:11:36,520

boom.

289

00:11:36,520 --> 00:11:41,160

Retired FBI man Frank Doyle thinks that concealed gunpowder might

290

00:11:41,160 --> 00:11:42,960

be the cause of the conflagration.

291

00:11:42,960 --> 00:11:47,480

Well, I'm a little skeptical, and I think they've done something

292

00:11:47,480 --> 00:11:48,480

a little iffy.

293

00:11:48,480 --> 00:11:52,280

All right, well, there's only one way to find out.

294

00:11:52,280 --> 00:11:55,240

Frank sets the fuse, Adam sets the scene.

295

00:11:55,240 --> 00:11:58,000

Let's get behind the barrier and replicate a couple of internet

296

00:11:58,000 --> 00:11:59,800

pyromaniacs.

297

00:11:59,800 --> 00:12:01,680

And Jamie lights the wick.

298

00:12:01,680 --> 00:12:08,160

This is thermite and ice in three, two, one.

299

00:12:08,160 --> 00:12:10,160

Good.

300

00:12:10,160 --> 00:12:14,440

Needless to say, never try this yourself.

301

00:12:14,440 --> 00:12:18,400

We've got all the safety gear, the expertise, and the blast

302

00:12:18,400 --> 00:12:19,400

screen.

303

00:12:19,400 --> 00:12:21,400

It's killing me.

304

00:12:21,400 --> 00:12:23,760

Don't tell me.

305

00:12:23,760 --> 00:12:25,280

What the heck?

306

00:12:25,280 --> 00:12:28,880

This is close to a worst case scenario when the explosion you're

307

00:12:28,880 --> 00:12:30,880

expecting to happen doesn't.

308

00:12:30,880 --> 00:12:32,480

I think it's a dud.

309

00:12:32,480 --> 00:12:36,000

So Jamie slips into something less comfortable, but way more

310

00:12:36,000 --> 00:12:37,000

fireproof.

311

00:12:37,000 --> 00:12:39,600

He and Frank fashion a new fuse.

312

00:12:39,600 --> 00:12:43,640

Then Jamie takes a furtive walk, knowing the old fuse could catch

313

00:12:43,640 --> 00:12:45,760

at any time.

314

00:12:45,760 --> 00:12:49,560

So Jamie's put on the full fire suit to protect himself to replace

315

00:12:49,560 --> 00:12:52,800

another fuse and matches because, well, we don't know.

316

00:12:52,800 --> 00:12:55,440

He could touch that bucket and it could all go off.

317

00:12:55,440 --> 00:12:57,760

So it's a little bit touch and go right now.

318

00:12:57,760 --> 00:13:00,920

Jamie wastes no time setting the new spark.

319

00:13:00,920 --> 00:13:03,400

He's lit it.

320

00:13:03,400 --> 00:13:05,000

Let's hope it stays lit.

321

00:13:05,000 --> 00:13:09,840

This experiment should confirm or bust the myth of exploding ice.

322

00:13:09,840 --> 00:13:13,480

That looks like the match is going off.

323

00:13:13,480 --> 00:13:15,480

There it goes.

324

00:13:22,480 --> 00:13:24,080

I'd say that was an explosion.

325

00:13:24,080 --> 00:13:26,480

I'm pretty sure that qualified.

326

00:13:30,080 --> 00:13:33,720

And Adams found the source of that thunk that shook the blast

327

00:13:33,720 --> 00:13:34,720

screen.

328

00:13:35,720 --> 00:13:40,720

And the popular parlance, we call this piece of ice a hunter

329

00:13:40,720 --> 00:13:44,720

killer because it went all the way from ground zero to our

330

00:13:44,720 --> 00:13:45,720

blast chamber.

331

00:13:45,720 --> 00:13:49,720

Luckily, it is ice proof.

332

00:13:49,720 --> 00:13:53,720

Some chunks of ice flew as far as 150 feet.

333

00:13:53,720 --> 00:13:56,720

The brick pallet is a smoldering ruin.

334

00:13:56,720 --> 00:13:59,720

And there's no trace at all of the galvanized steel bucket.

335

00:13:59,720 --> 00:14:01,720

Look at that.

336

00:14:01,720 --> 00:14:03,720

That tells the whole story right there.

337

00:14:03,720 --> 00:14:05,720

I am a believer.

338

00:14:05,720 --> 00:14:08,720

But what actually made the ice go boom?

339

00:14:08,720 --> 00:14:11,720

The truth is no one really knows.

340

00:14:11,720 --> 00:14:14,720

Experts I've talked to are speculating that heat from the

341

00:14:14,720 --> 00:14:18,720

burning thermite is decomposing the water into hydrogen and

342

00:14:18,720 --> 00:14:21,720

oxygen, which in the presence of a source of ignition, namely

343

00:14:21,720 --> 00:14:23,720

hot thermite, is exploding.

344

00:14:23,720 --> 00:14:27,720

Now, I sort of have a problem with that because that

345

00:14:27,720 --> 00:14:30,720

requires that a whole bunch of hydrogen and oxygen be

346

00:14:30,720 --> 00:14:32,720

instantaneously created.

347

00:14:32,720 --> 00:14:34,720

And I don't know that that's possible.

348

00:14:34,720 --> 00:14:38,720

There is another explanation I'm just speculating.

349

00:14:38,720 --> 00:14:42,720

And that is that something in this reaction is aerosolizing

350

00:14:42,720 --> 00:14:43,720

all the thermite.

351

00:14:43,720 --> 00:14:45,720

It's steam or something.

352

00:14:45,720 --> 00:14:48,720

It's throwing all this powder up into a cloud of thermite.

353

00:14:48,720 --> 00:14:50,720

And that's exploding.

354

00:14:50,720 --> 00:14:51,720

We don't know.

355

00:14:51,720 --> 00:14:52,720

It's a mystery.

356

00:14:52,720 --> 00:14:55,720

But one way or another, it's a mystery.

357

00:14:55,720 --> 00:14:59,720

But one way or another, that was a hack of a bang.

358

00:14:59,720 --> 00:15:01,720

Here's their video.

359

00:15:01,720 --> 00:15:04,720

And here's ours.

360

00:15:04,720 --> 00:15:06,720

So it's myth confirmed.

361

00:15:06,720 --> 00:15:15,720

No black powder, no hidden fireworks, just fire and ice.

362

00:15:15,720 --> 00:15:19,720

After the break, the Russian guns get a subwoofer workout.

363

00:15:19,720 --> 00:15:21,720

Crank it up, Grant.

364

00:15:26,720 --> 00:15:30,720

Carri-Torian Grant are testing the myth of the Russian

365

00:15:30,720 --> 00:15:34,720

gangsters who turn the music up so loud it triggered a bunch

366

00:15:34,720 --> 00:15:38,720

of loaded SKS rifles they had stashed in the car.

367

00:15:40,720 --> 00:15:43,720

They've got the guns, the car, and a sound system that could

368

00:15:43,720 --> 00:15:45,720

shake loose your fillings.

369

00:15:45,720 --> 00:15:46,720

All right, you ready?

370

00:15:46,720 --> 00:15:47,720

Yes.

371

00:15:47,720 --> 00:15:48,720

Thank you.

372

00:15:48,720 --> 00:15:49,720

Oh!

373

00:15:49,720 --> 00:15:51,720

Oh, yeah!

374

00:15:51,720 --> 00:15:53,720

So unassuming and then bang!

375

00:15:53,720 --> 00:15:55,720

You filled up the whole trunk.

376

00:15:55,720 --> 00:15:57,720

That's base, baby.

377

00:15:57,720 --> 00:15:59,720

Oh, my eardrum.

378

00:15:59,720 --> 00:16:01,720

Look at the rust coming off the top of the roof.

379

00:16:04,720 --> 00:16:07,720

We're going to tear this car apart.

380

00:16:07,720 --> 00:16:11,720

But first, they want to sniff it up with a high speed pimp

381

00:16:11,720 --> 00:16:13,720

dad paint job.

382

00:16:13,720 --> 00:16:16,720

Well, he's hot rod enthusiast going, that's not how you paint

383

00:16:16,720 --> 00:16:17,720

flames on cars.

384

00:16:17,720 --> 00:16:19,720

What are you doing?

385

00:16:19,720 --> 00:16:22,720

You know what I got to say to that?

386

00:16:22,720 --> 00:16:24,720

So what?

387

00:16:24,720 --> 00:16:27,720

Just like a tattoo, it's more about the bad boy attitude

388

00:16:27,720 --> 00:16:29,720

than the art.

389

00:16:29,720 --> 00:16:31,720

Until you get inside.

390

00:16:31,720 --> 00:16:35,720

You know, some people have a hula girl or a chihuahua

391

00:16:35,720 --> 00:16:38,720

bobble head on their dashboard.

392

00:16:38,720 --> 00:16:39,720

We have us.

393

00:16:39,720 --> 00:16:43,720

Yeah, not quite the gangster image, but they should be good

394

00:16:43,720 --> 00:16:47,720

indicators of the turbulence caused by that thumping bass.

395

00:16:47,720 --> 00:16:53,720

Pimp, prep, and pumped with a trunk full of high grade

396

00:16:53,720 --> 00:16:57,720

hardware, the shark rolls up for its first ever rifle

397

00:16:57,720 --> 00:16:58,720

recital.

398

00:16:58,720 --> 00:17:01,720

If all goes to plan, there won't be an encore.

399

00:17:01,720 --> 00:17:04,720

Tori and Grant were kind enough to test all of the SKS

400

00:17:04,720 --> 00:17:07,720

rifles for us and make sure that they all work properly.

401

00:17:11,720 --> 00:17:14,720

Now, we're at the Alameda County Sheriff's Balm Range.

402

00:17:14,720 --> 00:17:17,720

We love this place because it's a wide open space where we

403

00:17:17,720 --> 00:17:19,720

don't have neighbors to complain about the noise and we can

404

00:17:19,720 --> 00:17:21,720

shoot all the guns we want.

405

00:17:21,720 --> 00:17:23,720

All right, so we've amassed our gangster arsenal.

406

00:17:23,720 --> 00:17:25,720

And we have our blanks, but as we know, we need to treat this

407

00:17:25,720 --> 00:17:27,720

like live ammunition.

408

00:17:27,720 --> 00:17:29,720

All right, let's load up our guns and get them in that vehicle.

409

00:17:29,720 --> 00:17:31,720

Sounds good to me.

410

00:17:31,720 --> 00:17:35,720

So the rifles get spread from the backseat to the front, some

411

00:17:35,720 --> 00:17:38,720

close up to the speakers, and others at a distance.

412

00:17:38,720 --> 00:17:41,720

This is going to serve as mission control for our experiment.

413

00:17:41,720 --> 00:17:44,720

We have a portable music player with all our test tones preloaded.

414

00:17:44,720 --> 00:17:47,720

We've also got a frequency generator and a oscilloscope so we

415

00:17:47,720 --> 00:17:50,720

can dial in any specific frequencies you want to test.

416

00:17:50,720 --> 00:17:53,720

Inside the car, there's a microphone that's connected to the

417

00:17:53,720 --> 00:17:55,720

spectrum analyzer and DBS PL meter.

418

00:17:55,720 --> 00:17:59,720

And that'll tell us not only the frequency, but also how loud it is.

419

00:17:59,720 --> 00:18:02,720

And finally, and perhaps most importantly, there's a live video

420

00:18:02,720 --> 00:18:05,720

feed to tell us if any of the guns have gone off as a result of

421

00:18:05,720 --> 00:18:07,720

our sound.

422

00:18:07,720 --> 00:18:10,720

The sound won't be music as we know it, but it's a live video

423

00:18:10,720 --> 00:18:14,720

feed as we know it, but a series of tones designed to test and

424

00:18:14,720 --> 00:18:18,720

push the acoustic limits of the system and maybe fire those guns.

425

00:18:18,720 --> 00:18:22,720

All right, this is going to be a low frequency sweep starting at

426

00:18:22,720 --> 00:18:25,720

20 hertz at 95 dB SPL.

427

00:18:25,720 --> 00:18:27,720

Ready?

428

00:18:27,720 --> 00:18:28,720

Oh yeah.

429

00:18:28,720 --> 00:18:30,720

Here we go.

430

00:18:30,720 --> 00:18:34,720

To keep it simple, Hertz indicates the pitch of a note and

431

00:18:34,720 --> 00:18:36,720

decibels measure the volume.

432

00:18:36,720 --> 00:18:41,720

95 decibels is roughly as loud as a motorcycle revving its engine.

433

00:18:41,720 --> 00:18:46,720

So far, not one round has fired off.

434

00:18:46,720 --> 00:18:48,720

We're not all the way through the sweep yet.

435

00:18:51,720 --> 00:18:53,720

But the signs aren't good.

436

00:18:53,720 --> 00:18:57,720

The bobbleheads are barely bubbling, so we'll change tack.

437

00:18:57,720 --> 00:19:00,720

All right, next I got to tone the alternates.

438

00:19:00,720 --> 00:19:02,720

Wee, wee, wee.

439

00:19:02,720 --> 00:19:05,720

Yeah, we want to see that pin fire off one of these bullets.

440

00:19:05,720 --> 00:19:07,720

All right, you guys ready?

441

00:19:07,720 --> 00:19:08,720

Yeah.

442

00:19:08,720 --> 00:19:10,720

Crank it up, Grant.

443

00:19:10,720 --> 00:19:15,720

If this works, they can expect to hear multiple gunshots at any moment.

444

00:19:15,720 --> 00:19:16,720

Is that it?

445

00:19:16,720 --> 00:19:17,720

That's it.

446

00:19:17,720 --> 00:19:19,720

You see anything?

447

00:19:19,720 --> 00:19:21,720

Okay.

448

00:19:21,720 --> 00:19:23,720

Come on, let's make that car vibrate.

449

00:19:23,720 --> 00:19:25,720

Not one round has gone off yet.

450

00:19:25,720 --> 00:19:26,720

All right, one wiggle.

451

00:19:26,720 --> 00:19:28,720

I mean, the gun's not even shaking.

452

00:19:28,720 --> 00:19:30,720

Okay, so that didn't work.

453

00:19:30,720 --> 00:19:31,720

What would be the next step?

454

00:19:31,720 --> 00:19:32,720

Louder.

455

00:19:32,720 --> 00:19:33,720

I like that.

456

00:19:33,720 --> 00:19:34,720

Let's go louder.

457

00:19:34,720 --> 00:19:36,720

It's time to raise the stakes.

458

00:19:36,720 --> 00:19:41,720

Grant cranks the decibels up to an ear-shattering 130.

459

00:19:41,720 --> 00:19:43,720

That's close to the level of a jet engine

460

00:19:43,720 --> 00:19:46,720

as heard from just 100 feet away.

461

00:19:46,720 --> 00:19:48,720

There you go.

462

00:19:48,720 --> 00:19:49,720

Whoa!

463

00:19:49,720 --> 00:19:51,720

Look at those speakers.

464

00:19:51,720 --> 00:19:54,720

Yeah, look, the gun is actually vibrating.

465

00:19:54,720 --> 00:19:57,720

Well, no, no, it's the camera that's vibrating.

466

00:19:57,720 --> 00:20:00,720

There's dust and everything getting knocked all around.

467

00:20:00,720 --> 00:20:02,720

It's great.

468

00:20:02,720 --> 00:20:03,720

Whoa!

469

00:20:03,720 --> 00:20:05,720

Oh, god, the camera cut out.

470

00:20:05,720 --> 00:20:06,720

We lost it.

471

00:20:06,720 --> 00:20:07,720

Oh, no.

472

00:20:07,720 --> 00:20:12,720

Seems like everything's busted, but the gun's.

473

00:20:12,720 --> 00:20:15,720

Still, Grant sees a little room to maneuver.

474

00:20:15,720 --> 00:20:18,720

For all these tests, the guns have been horizontal

475

00:20:18,720 --> 00:20:20,720

on the various parts of the car.

476

00:20:20,720 --> 00:20:22,720

Now what we're going to do is change their orientation.

477

00:20:22,720 --> 00:20:25,720

So instead of being horizontal, they'll be vertical.

478

00:20:25,720 --> 00:20:28,720

And that way, we hope that the pins will be in a better position

479

00:20:28,720 --> 00:20:31,720

to set off these blanks and hopefully get a result.

480

00:20:31,720 --> 00:20:36,720

Grant's enlisting the force of gravity to help dislodge those pins.

481

00:20:36,720 --> 00:20:40,720

It might not help, but it sure won't hurt.

482

00:20:40,720 --> 00:20:42,720

You know, if this doesn't do it, I don't know what will.

483

00:20:42,720 --> 00:20:44,720

Well, it's definitely working.

484

00:20:44,720 --> 00:20:46,720

You can see that speaker just vibrating.

485

00:20:46,720 --> 00:20:47,720

Wow, look at that gun.

486

00:20:47,720 --> 00:20:49,720

The gun looks like the gun's shaking.

487

00:20:49,720 --> 00:20:51,720

Yeah, I think it did.

488

00:20:51,720 --> 00:20:52,720

Yeah, heck yeah.

489

00:20:52,720 --> 00:20:54,720

Come on, come on.

490

00:20:54,720 --> 00:20:55,720

Fire up!

491

00:20:55,720 --> 00:20:56,720

Shoot that gun.

492

00:20:56,720 --> 00:20:58,720

There's a lot happening in there.

493

00:20:58,720 --> 00:20:59,720

Gosh.

494

00:20:59,720 --> 00:21:01,720

It's still not firing.

495

00:21:01,720 --> 00:21:05,720

But once again, none of the SKS shooters go bad.

496

00:21:05,720 --> 00:21:08,720

Mind you, there was some collateral damage.

497

00:21:08,720 --> 00:21:10,720

And this stereo system was crazy.

498

00:21:10,720 --> 00:21:13,720

I mean, it was vibrating the entire car so much

499

00:21:13,720 --> 00:21:16,720

that it actually busted the gas line, and it's now leaking fuel.

500

00:21:16,720 --> 00:21:19,720

So this car is done, but that doesn't mean the myth is done.

501

00:21:19,720 --> 00:21:22,720

It just means we got to find out if this is even possible.

502

00:21:22,720 --> 00:21:28,720

Coming up, Tori Grant and Carrie see if the SKS rifles resonate to a perfect pitch.

503

00:21:28,720 --> 00:21:29,720

Do it now.

504

00:21:29,720 --> 00:21:30,720

That is menacing.

505

00:21:30,720 --> 00:21:35,720

While Jamie and Adam get a feel for the gun that could blow your thumb off.

506

00:21:35,720 --> 00:21:37,720

That gun has a heck of a kick.

507

00:21:40,720 --> 00:21:43,720

Don't try anything you see on the show at home.

508

00:21:43,720 --> 00:21:45,720

Wear what you call experts.

509

00:21:49,720 --> 00:21:54,720

Now to investigate one more way you can hurt yourself with a handgun.

510

00:21:55,720 --> 00:21:57,720

What you got there?

511

00:21:57,720 --> 00:21:58,720

This.

512

00:21:58,720 --> 00:22:04,720

This is a pretty grisly depiction of the dangers of mishandling a firearm.

513

00:22:04,720 --> 00:22:06,720

You mean like when you shoot yourself?

514

00:22:06,720 --> 00:22:07,720

No.

515

00:22:07,720 --> 00:22:08,720

Merely by having a poor grip.

516

00:22:08,720 --> 00:22:09,720

Check this out.

517

00:22:11,720 --> 00:22:12,720

That's nasty.

518

00:22:13,720 --> 00:22:16,720

The severed thumb is so nasty we can't show it on TV.

519

00:22:16,720 --> 00:22:21,720

It's a graphic myth, so here's the tale in graphic form.

520

00:22:21,720 --> 00:22:26,720

This beast of a side-iron is a hunting pistol designed to bring down big game.

521

00:22:26,720 --> 00:22:31,720

And some of the gas that propels the bullet also escapes between the back of the barrel

522

00:22:31,720 --> 00:22:33,720

and the front of the cylinder.

523

00:22:33,720 --> 00:22:35,720

And therein lies the myth.

524

00:22:35,720 --> 00:22:38,720

If you have a digit in the wrong place at the right time,

525

00:22:38,720 --> 00:22:42,720

the force of the blast could blow your thumb clean off.

526

00:22:42,720 --> 00:22:47,720

I have a hard time believing that this could happen just from misfingering a gun.

527

00:22:47,720 --> 00:22:50,720

Well that is what we have to figure out.

528

00:22:50,720 --> 00:22:51,720

Okay.

529

00:22:52,720 --> 00:22:58,720

Out on the range, Gunsmith Frank Tabor has brought along the cannon in question.

530

00:22:58,720 --> 00:23:03,720

So Frank, according to the myth, the guy lost his thumb because he held it like this.

531

00:23:03,720 --> 00:23:05,720

Do you see any immediate problems with that?

532

00:23:05,720 --> 00:23:07,720

Oh yeah, you have that gap between the cylinder and barrel.

533

00:23:07,720 --> 00:23:09,720

And you got a 2,300 foot per second cartridge.

534

00:23:09,720 --> 00:23:12,720

There's a lot of gases and it comes out just like a cutting torch.

535

00:23:12,720 --> 00:23:14,720

So you think that could be some real damage?

536

00:23:14,720 --> 00:23:15,720

Okay.

537

00:23:15,720 --> 00:23:16,720

Yes.

538

00:23:16,720 --> 00:23:21,720

Adam sets Jamie a tasty target to test out the weapon on high speed video.

539

00:23:21,720 --> 00:23:22,720

Round.

540

00:23:22,720 --> 00:23:27,720

Frank slips one in the chamber and dirty Jamie lines up a clean shot.

541

00:23:33,720 --> 00:23:34,720

Ha ha ha ha.

542

00:23:34,720 --> 00:23:36,720

That was something.

543

00:23:36,720 --> 00:23:38,720

Well that'd make a scary watermelon problem.

544

00:23:39,720 --> 00:23:44,720

It's another notch on Jamie's belter of dead fruit and vegetables.

545

00:23:44,720 --> 00:23:47,720

But he did get a feel for the firearm.

546

00:23:47,720 --> 00:23:49,720

That gun has a heck of a kick.

547

00:23:49,720 --> 00:23:53,720

Now I have to be honest, I was a little afraid of it at first,

548

00:23:53,720 --> 00:23:56,720

thinking that it was gonna like hit me in the head afterwards.

549

00:23:56,720 --> 00:24:01,720

So I can kind of see how somebody might want to grab it in an unusual way

550

00:24:01,720 --> 00:24:03,720

to make sure they had a hold of it.

551

00:24:03,720 --> 00:24:09,720

Now it's Adam's turn to take a shot, feel the force, and maybe make a prediction.

552

00:24:09,720 --> 00:24:12,720

It's not that I'm lactose intolerant, but if milk gets in my way,

553

00:24:12,720 --> 00:24:14,720

I'm gonna take care of the problem.

554

00:24:21,720 --> 00:24:25,720

That's one expiration date that was way off the mark.

555

00:24:25,720 --> 00:24:28,720

The high speed camera remains one of my favorite tools on the show.

556

00:24:28,720 --> 00:24:31,720

If you look really closely at the close up of the gunfire,

557

00:24:31,720 --> 00:24:36,720

you can clearly see gases shooting out of the space between the cylinder and the barrel.

558

00:24:36,720 --> 00:24:40,720

This is where we'll be looking for damaging amounts of energy.

559

00:24:40,720 --> 00:24:43,720

If the story behind the gruesome photo is true,

560

00:24:43,720 --> 00:24:48,720

the man's left thumb went south due to a clumsy grip across the cylinder.

561

00:24:48,720 --> 00:24:53,720

But after handling the hardware, Adam's best bet is a thumbs down.

562

00:24:53,720 --> 00:24:58,720

While it's an impressive amount of gas you can see coming out of the gun on the high speed,

563

00:24:58,720 --> 00:25:01,720

I still don't feel like it's gonna sever a finger.

564

00:25:01,720 --> 00:25:05,720

Well, they've got the gun, the bullets, and the venue.

565

00:25:05,720 --> 00:25:09,720

All they need now is a disposable digit.

566

00:25:10,720 --> 00:25:13,720

The gun is ready to fire.

567

00:25:17,720 --> 00:25:23,720

All efforts to fire five rifles via the vibrations from an upscale car stereo

568

00:25:23,720 --> 00:25:26,720

have failed to end in a single gunshot.

569

00:25:26,720 --> 00:25:29,720

You know, if this doesn't do it, I don't know what will.

570

00:25:29,720 --> 00:25:34,720

So the next to last resort is a visit to Meyer Sound.

571

00:25:34,720 --> 00:25:41,720

These audio experts already help us prove that Sound alone can't make you lose your bowel control.

572

00:25:43,720 --> 00:25:47,720

And that the human voice can break glass.

573

00:25:50,720 --> 00:25:55,720

But today we've brought our rifles to them to see if they can help us figure out a sweet spot,

574

00:25:55,720 --> 00:26:00,720

a special frequency that will cause the SKS rifle to discharge.

575

00:26:00,720 --> 00:26:05,720

Here to help is Roger Schwenke, and once he knows what the myth entails...

576

00:26:05,720 --> 00:26:12,720

Well, if it's the firing pin that's unique about this gun, then let's isolate that and see what happens to it.

577

00:26:12,720 --> 00:26:14,720

Okay, great.

578

00:26:14,720 --> 00:26:19,720

So Tori strips out the pin and Roger opens the test chamber.

579

00:26:19,720 --> 00:26:26,720

So resonant frequency is the frequency at which an object will begin to vibrate in excess of the energy that you put into it.

580

00:26:26,720 --> 00:26:30,720

For example, with our trying to break a wine glass with your voice experiment.

581

00:26:30,720 --> 00:26:38,720

And many different frequencies of wine glass vibrate, but at one specific frequency it begins to vibrate a lot and eventually shatters.

582

00:26:38,720 --> 00:26:45,720

That is what we're looking for in our firing pin, and if we find that, then there's a chance that this gun just might go off.

583

00:26:45,720 --> 00:26:47,720

Do it. Do it now.

584

00:26:47,720 --> 00:26:50,720

So Roger fills the chamber with pink noise.

585

00:26:50,720 --> 00:26:55,720

That's a whole range of different frequencies blasted out together.

586

00:26:55,720 --> 00:26:57,720

It's like an earthquake.

587

00:26:57,720 --> 00:27:01,720

And the volumes cranked way up to 150 decibels.

588

00:27:01,720 --> 00:27:05,720

It's the speaker moving, and it looks like it's vibrated, but the pin doesn't look like it's separate.

589

00:27:05,720 --> 00:27:09,720

Yeah, it looks like the whole mechanism's moving, but the pin is not going up and down.

590

00:27:09,720 --> 00:27:12,720

Yeah, still a little hard to tell.

591

00:27:12,720 --> 00:27:14,720

What is accelerometer reading?

592

00:27:14,720 --> 00:27:17,720

It's responding about the same at all frequencies.

593

00:27:17,720 --> 00:27:19,720

What does that mean for us?

594

00:27:19,720 --> 00:27:24,720

Well, it's not resonating it, it's moving, but it's not resonating at any one particular frequency.

595

00:27:24,720 --> 00:27:27,720

The pin hasn't moved inside the housing.

596

00:27:27,720 --> 00:27:31,720

That's good news for the Russian mob and a kick in the pants for the myth.

597

00:27:31,720 --> 00:27:35,720

But maybe testing the pin alone wasn't the best plan.

598

00:27:35,720 --> 00:27:40,720

So I put the gun back together. We've loaded it with the blank.

599

00:27:40,720 --> 00:27:43,720

I have the gun pointing nose down with the safety off.

600

00:27:43,720 --> 00:27:47,720

That way it gives us the best possible chance for this gun to go off accidentally.

601

00:27:47,720 --> 00:27:49,720

Okay, hit it, Roger.

602

00:27:49,720 --> 00:27:51,720

Bring on the noise.

603

00:27:51,720 --> 00:27:53,720

That is menacing.

604

00:27:53,720 --> 00:27:59,720

And this is with the safety off, so it's giving it the best possible chance, but still it's not firing.

605

00:27:59,720 --> 00:28:04,720

Yeah, if this happens at all, it should happen fairly quickly, and it's not happening.

606

00:28:04,720 --> 00:28:10,720

So Roger pulls the plug. The resonant frequency theory fails to fire.

607

00:28:10,720 --> 00:28:18,720

But if you think it's over, if you truly believe we'll end this myth with a shameful shutter, you so don't know this show.

608

00:28:19,720 --> 00:28:22,720

Next up, the boys turn chicken for a science.

609

00:28:22,720 --> 00:28:26,720

Oh, oh, oh.

610

00:28:35,720 --> 00:28:43,720

Adam and Jamie have decided to see for themselves if holding a huge handgun the wrong way could

really blow your thumb off.

611

00:28:43,720 --> 00:28:49,720

This myth is all about escaping gases, some of which propel the bullet out of the barrel,

612

00:28:49,720 --> 00:28:54,720

but some that escape right here from this tiny little space between the cylinder and the barrel.

613

00:28:54,720 --> 00:28:57,720

It's those that could cut your finger off, man.

614

00:28:57,720 --> 00:28:59,720

Or so the story goes.

615

00:28:59,720 --> 00:29:07,720

Despite the high-speed gas shots and a shocking photo of a severed thumb, Adam thinks this myth is, well, a myth.

616

00:29:07,720 --> 00:29:11,720

But Jamie begs to differ.

617

00:29:11,720 --> 00:29:18,720

When I first heard about this story, I wasn't so sure that a revolver would be capable of blowing your thumb off through the side like that.

618

00:29:18,720 --> 00:29:23,720

But having a review of the high-speed footage, I kind of think it will.

619

00:29:23,720 --> 00:29:28,720

The gun is firmly secured in a clamp that's screwed down tight to the bench top.

620

00:29:28,720 --> 00:29:31,720

Now all they need is a stunt thumb.

621

00:29:31,720 --> 00:29:35,720

If you think these look gruesome, you don't know the half of it.

622

00:29:35,720 --> 00:29:39,720

But the best way to tell you how these are made is to show you how they were made.

623

00:29:39,720 --> 00:29:42,720

I remember it like it was yesterday.

624

00:29:42,720 --> 00:29:51,720

Faced with the task of replicating that miracle of evolution, the human hand, the mythbusters' first thoughts naturally turned to dead chickens.

625

00:29:51,720 --> 00:29:55,720

By the way, I touched this chicken before I touched anything else. You want to take the meat home?

626

00:29:55,720 --> 00:29:59,720

Adam stripped a whole cooked bird. Not for the meat, but for the bones.

627

00:29:59,720 --> 00:30:05,720

He traces a template over his left hand and even marks the three joints in each finger.

628

00:30:05,720 --> 00:30:09,720

I managed to get almost all the bones I need out of a single rotisserie chicken.

629

00:30:09,720 --> 00:30:15,720

Jamie's building his own version of a stunt hand, also made entirely from poultry pieces.

630

00:30:15,720 --> 00:30:25,720

And while Adam sutures a carefully crafted left thumb, Dr. Heidemstein shows he's lost all sense of proportion.

631

00:30:25,720 --> 00:30:29,720

It's actually the left hand, you know, that's the thumb and the four fingers.

632

00:30:29,720 --> 00:30:34,720

And I picked them so that they're the correct lengths and everything.

633

00:30:34,720 --> 00:30:37,720

Do we have a show of hands?

634

00:30:44,720 --> 00:30:50,720

As the dominant hand, Jamie's massive mitt of chicken meat gets to take the first shot.

635

00:30:50,720 --> 00:31:00,720

It's wired securely onto the gun butt with care taken to place the thumb in precisely the right, or rather the wrong, position.

636

00:31:00,720 --> 00:31:02,720

I love it. Alright, let's do it.

637

00:31:02,720 --> 00:31:08,720

It loads the gun and cocks it. With the trigger tied to a string, all Jamie has to do is pull it.

638

00:31:08,720 --> 00:31:11,720

The gun is hot. You're good to go.

639

00:31:11,720 --> 00:31:16,720

And gun horror in three, two, one.

640

00:31:19,720 --> 00:31:21,720

No decapitation.

641

00:31:21,720 --> 00:31:24,720

Definitely damage, but yeah, it's still there.

642

00:31:24,720 --> 00:31:28,720

I think that your drumstick bone is way too robust for a human hand.

643

00:31:28,720 --> 00:31:33,720

What I see on the chicken hand and what I see on the high speed is that the gases are coming out and they're definitely having an effect.

644

00:31:33,720 --> 00:31:37,720

I have no doubt you'd be burned by this, but I don't see any decapitation.

645

00:31:37,720 --> 00:31:44,720

Lucky Jamie's skin is thicker than the chicken's. He's even prepared to offer some sage advice.

646

00:31:44,720 --> 00:31:47,720

The major amount of gas is right out through the metal there.

647

00:31:47,720 --> 00:31:48,720

Okay.

648

00:31:48,720 --> 00:31:51,720

So if you want to be sure it cuts it off, that's where to put it.

649

00:31:51,720 --> 00:31:52,720

Alright. Here we go.

650

00:31:52,720 --> 00:31:57,720

Adams anatomically accurate avian appendage in three, two, one.

651

00:31:59,720 --> 00:32:02,720

To the naked eye, this looks like real damage.

652

00:32:02,720 --> 00:32:05,720

Now for the expert analysis.

653

00:32:11,720 --> 00:32:12,720

Okay.

654

00:32:12,720 --> 00:32:13,720

Wow.

655

00:32:14,720 --> 00:32:19,720

What Adam means to say is they've shredded one chicken finger and shattered another.

656

00:32:19,720 --> 00:32:21,720

This one is torn to shreds.

657

00:32:21,720 --> 00:32:23,720

What about that one?

658

00:32:23,720 --> 00:32:25,720

That is cut almost clean through.

659

00:32:25,720 --> 00:32:26,720

Wow.

660

00:32:27,720 --> 00:32:29,720

There's no doubt about it.

661

00:32:29,720 --> 00:32:34,720

Adams carefully constructed chicken hand at the right size bones to simulate human fingers.

662

00:32:34,720 --> 00:32:38,720

They even had three joints right where they're meant to be.

663

00:32:38,720 --> 00:32:40,720

That is totally clear.

664

00:32:40,720 --> 00:32:42,720

Those gases have cut through that finger.

665

00:32:42,720 --> 00:32:43,720

Absolutely.

666

00:32:43,720 --> 00:32:46,720

That is one of the more gruesome things we've ever filmed on high speed.

667

00:32:46,720 --> 00:32:49,720

Well, it doesn't get any more definitive than that.

668

00:32:49,720 --> 00:32:50,720

Nope.

669

00:32:50,720 --> 00:32:51,720

It's confirmed.

670

00:32:51,720 --> 00:32:53,720

Totally confirmed.

671

00:32:53,720 --> 00:32:55,720

Well, let that be a lesson to you.

672

00:32:55,720 --> 00:32:59,720

If you've got to have a handgun, make sure you know how to use it.

673

00:32:59,720 --> 00:33:02,720

I can't believe you can eat buffalo wings so quickly after that.

674

00:33:02,720 --> 00:33:03,720

What do you mean?

675

00:33:03,720 --> 00:33:05,720

I'm going to cook up Franken-hand for dinner.

676

00:33:05,720 --> 00:33:06,720

Ha ha ha.

677

00:33:12,720 --> 00:33:18,720

After failing to trigger these unstable Russian rifles with a red hot car stereo.

678

00:33:18,720 --> 00:33:20,720

Not one round has gone off yet.

679

00:33:20,720 --> 00:33:27,720

Carri-Torian Grant take one last shot at this myth with a truck that's tailor made to bump up the volume.

680

00:33:27,720 --> 00:33:33,720

Now I know this car didn't do what we needed, but I think I have some renewed confidence in our backup plan.

681

00:33:33,720 --> 00:33:38,720

Oh my God! That is loud out here. How's it inside?

682

00:33:38,720 --> 00:33:39,720

Dink-us.

683

00:33:39,720 --> 00:33:40,720

What?

684

00:33:41,720 --> 00:33:47,720

So far they've pushed the decibels way up to 150, but this car peaks at 160.

685

00:33:47,720 --> 00:33:51,720

That's actually louder than the gunshots they hope to hear.

686

00:33:51,720 --> 00:33:57,720

Now handling the mid-bass frequencies, we've got four 10-inch Thunder 8500 subwoofers in a custom fiberglass enclosure.

687

00:33:57,720 --> 00:34:03,720

But that's not all because the real meat are these two 22-inch jackhammer subwoofers.

688

00:34:03,720 --> 00:34:09,720

Each subwoofer has two amplifiers for a total of 17,200 watts.

689

00:34:09,720 --> 00:34:13,720

If you're talking about sound pressure level in a car, this is it.

690

00:34:14,720 --> 00:34:19,720

Once again, the guns are armed with blank cartridges and spread around the car.

691

00:34:19,720 --> 00:34:25,720

We're ready to go. The guns are loaded. The safeties are off to give us the best possible chance for this to work.

692

00:34:25,720 --> 00:34:27,720

But Carri seems a little gun-shy.

693

00:34:27,720 --> 00:34:35,720

I'm having some serious doubts that something even as powerful as the SPL car is going to do it, but I would really, really like to be proven wrong here.

694

00:34:35,720 --> 00:34:39,720

The sound system's been preloaded with three different test tracks.

695

00:34:39,720 --> 00:34:46,720

The first is up bass sweep, and remember, this is 30 decibels higher than anything they tried in the great white.

696

00:34:46,720 --> 00:34:48,720

Starting to sweep.

697

00:34:48,720 --> 00:34:52,720

Wow, that thing is shaking like nuts.

698

00:34:52,720 --> 00:35:00,720

But the one sound they're not hearing is gunfire. Time to try the alternating tomes.

699

00:35:00,720 --> 00:35:02,720

Whoa, yeah.

700

00:35:03,720 --> 00:35:05,720

Look at this dude in the camera.

701

00:35:05,720 --> 00:35:09,720

Things are really moving, guys.

702

00:35:09,720 --> 00:35:11,720

No discharge at.

703

00:35:11,720 --> 00:35:14,720

159.5?

704

00:35:14,720 --> 00:35:15,720

Yeah.

705

00:35:15,720 --> 00:35:19,720

And this is way crazier than a gangster vehicle would have.

706

00:35:19,720 --> 00:35:22,720

I mean, there's no way a person could be sitting in there and listening comfortably.

707

00:35:22,720 --> 00:35:24,720

Absolutely.

708

00:35:24,720 --> 00:35:27,720

The last track is loosely called Music.

709

00:35:27,720 --> 00:35:31,720

It's unlikely to top the charts, but it's seriously loud.

710

00:35:31,720 --> 00:35:33,720

Still no gunshots.

711

00:35:33,720 --> 00:35:37,720

You can't see the speakers moving like crazy, and all the dust in the car is blowing.

712

00:35:37,720 --> 00:35:39,720

Yeah.

713

00:35:39,720 --> 00:35:42,720

I hope that's dust. That's not smoke, is it?

714

00:35:42,720 --> 00:35:44,720

It looks like smoke.

715

00:35:44,720 --> 00:35:45,720

Do you think?

716

00:35:45,720 --> 00:35:47,720

No, we would have heard a gunshot.

717

00:35:47,720 --> 00:35:48,720

I think?

718

00:35:48,720 --> 00:35:49,720

I don't know.

719

00:35:49,720 --> 00:35:52,720

You know what? It's starting to smoke. Is that normal?

720

00:35:52,720 --> 00:35:54,720

No, it's not.

721

00:35:54,720 --> 00:35:59,720

This is the last and loudest of the tests, and everyone's hoping a gun's gone off.

722

00:35:59,720 --> 00:36:03,720

So we thought maybe, maybe there's a possibility we didn't hear the discharge,

723

00:36:03,720 --> 00:36:06,720

maybe a gun went off, and it's just filling the car with smoke.

724

00:36:06,720 --> 00:36:12,720

Oh, no. That smells like electrical smoke. That doesn't smell like gunfire.

725

00:36:12,720 --> 00:36:16,720

In fact, the smoke came from quickly heated resin in the woofers.

726

00:36:16,720 --> 00:36:19,720

It normally cures in the first few months,

727

00:36:19,720 --> 00:36:23,720

but we've pushed a brand new speaker way too hard.

728

00:36:23,720 --> 00:36:27,720

The system's fine, but the myth has run its course.

729

00:36:27,720 --> 00:36:30,720

All that remains is to check the weapons.

730

00:36:30,720 --> 00:36:32,720

Alright, this is the last gun.

731

00:36:32,720 --> 00:36:35,720

Didn't discharge.

732

00:36:35,720 --> 00:36:37,720

This is why we can never have anything nice.

733

00:36:37,720 --> 00:36:39,720

I'm calling this one busted.

734

00:36:39,720 --> 00:36:43,720

Yeah, I mean, we threw a massive amount of sound at it, and the gun still didn't go off.

735

00:36:43,720 --> 00:36:44,720

Busted.

736

00:36:44,720 --> 00:36:45,720

Yeah, busted.

737

00:36:45,720 --> 00:36:47,720

Dang, I wanted this one to work.

738

00:36:50,720 --> 00:36:52,720

You want more?

739

00:36:52,720 --> 00:36:54,720

We've got more.

740

00:36:54,720 --> 00:36:59,720

Log on to [discovery.com slash mythbusters](http://discovery.com/slash/mythbusters) and jump in!

741

00:36:59,720 --> 00:37:04,720

And still to come, one team changes tactics to get a result.

742

00:37:04,720 --> 00:37:09,720

Special delivery for Mr. Buster, while the other team, that's playing show-off.

743

00:37:09,720 --> 00:37:11,720

Get it off!

744

00:37:18,720 --> 00:37:25,720

Adam and Jamie have already confirmed the internet myth of ice blocks exploding in flaming thermite.

745

00:37:27,720 --> 00:37:29,720

I'd say that was an explosion.

746

00:37:29,720 --> 00:37:31,720

I'm pretty sure that...

747

00:37:31,720 --> 00:37:33,720

Oh my god.

748

00:37:34,720 --> 00:37:36,720

But why leave it there?

749

00:37:36,720 --> 00:37:41,720

Regular viewers know we're always ready to supersize a myth.

750

00:37:43,720 --> 00:37:45,720

Ah, it's beautiful.

751

00:37:48,720 --> 00:37:53,720

They're using ten times the ice and ten times the thermite.

752

00:37:53,720 --> 00:37:57,720

This thing right here is a little bit more macho going on here.

753

00:37:57,720 --> 00:37:59,720

I'm not going to use a torch to ignite it.

754

00:37:59,720 --> 00:38:04,720

I'm going to use these things, which are fusing niters, and they work kind of like this.

755

00:38:04,720 --> 00:38:08,720

And then I'm going to leave quickly.

756

00:38:10,720 --> 00:38:15,720

Alright Jamie, we are all in place in the bunker. You made fire when ready, sir.

757

00:38:15,720 --> 00:38:20,720

Supersize thermite in three, two, one.

758

00:38:23,720 --> 00:38:25,720

Now here's the thing about thermite.

759

00:38:25,720 --> 00:38:32,720

Being volatile means it's also unpredictable, and this tub full of red powder is taking its own sweet time.

760

00:38:33,720 --> 00:38:36,720

Thermite's kind of... I hate thermite.

761

00:38:37,720 --> 00:38:39,720

But when it works...

762

00:38:42,720 --> 00:38:44,720

There's nothing like it.

763

00:38:46,720 --> 00:38:47,720

Wow!

764

00:38:49,720 --> 00:38:51,720

I'm glad we didn't approach that.

765

00:38:51,720 --> 00:38:52,720

Wow!

766

00:38:52,720 --> 00:38:54,720

There is nothing left.

767

00:38:54,720 --> 00:38:57,720

No. That was a funk.

768

00:38:58,720 --> 00:38:59,720

Wow!

769

00:39:00,720 --> 00:39:02,720

It's like somebody blew up an igloo.

770

00:39:02,720 --> 00:39:04,720

Look at this debris field.

771

00:39:04,720 --> 00:39:08,720

Explosives that move really quickly tend to rip and tear things.

772

00:39:08,720 --> 00:39:11,720

Explosives that move slowly move things.

773

00:39:11,720 --> 00:39:15,720

That's what this did. It moved slowly but very powerfully.

774

00:39:15,720 --> 00:39:19,720

And it just spread all this ice all over the field here.

775

00:39:20,720 --> 00:39:22,720

I think we're working on a pretty good formula here.

776

00:39:22,720 --> 00:39:25,720

You see something crazy on the Internet and want to know if it's true.

777

00:39:25,720 --> 00:39:28,720

So you send it to us, we try it out and find out, yes it's true.

778

00:39:28,720 --> 00:39:32,720

This is what we do on this cluster. We blow it up so you don't have to.

779

00:39:39,720 --> 00:39:47,720

Tori, Grant and Kerry have busted the myth that vibrations from a souped up car stereo triggered a bunch of dodgy rifles.

780

00:39:47,720 --> 00:39:53,720

But Tori's found a related myth that's easy to test and guaranteed to end with a bang.

781

00:39:53,720 --> 00:39:58,720

Well, we've come a long way accidentally setting off one of these SKS rifles.

782

00:39:58,720 --> 00:40:01,720

But you know what, we're not done yet. There's one other thing I want to try.

783

00:40:01,720 --> 00:40:02,720

What's that?

784

00:40:02,720 --> 00:40:07,720

Now apparently during this turf war a bomb goes off in a gangsters house and wipes out his entire gang.

785

00:40:07,720 --> 00:40:13,720

Now after the explosion the police go through the debris and find these SKS rifles with empty shells next to him.

786

00:40:13,720 --> 00:40:18,720

However, nobody in the neighborhood heard gunshots before or after the explosion.

787

00:40:18,720 --> 00:40:21,720

So the idea is that the shock wave set off the weapons.

788

00:40:21,720 --> 00:40:23,720

Apparently so.

789

00:40:23,720 --> 00:40:28,720

The guys know that a springless SKS could be seen as an accident waiting to happen.

790

00:40:28,720 --> 00:40:36,720

But where sound waves failed to set the firing pin a quiver, a high explosive shock wave might do the trick.

791

00:40:36,720 --> 00:40:44,720

To find out they build a mock living room and carefully place four loaded rifles just where you'd expect to find them.

792

00:40:44,720 --> 00:40:47,720

Now we're going to deliver a special package of C4 to this scene.

793

00:40:47,720 --> 00:40:50,720

We're going to be safely down in the bunker when it goes off.

794

00:40:50,720 --> 00:40:56,720

And after a big explosion we're going to see if the percussive force from a bomb can actually set off any of our firearms.

795

00:40:56,720 --> 00:41:00,720

Either way we're getting destruction. We're all pretty happy about that.

796

00:41:00,720 --> 00:41:02,720

Special delivery for Mr. Buster.

797

00:41:03,720 --> 00:41:11,720

If sound waves can set a speaker cone dancing like this, just imagine the percussive force of a high explosive shock wave.

798

00:41:11,720 --> 00:41:13,720

You know what the thing that's really bumming me out about this?

799

00:41:13,720 --> 00:41:15,720

Is we're probably going to damage these guns.

800

00:41:15,720 --> 00:41:18,720

I guess if you want to make almonds you got to break a few eggs.

801

00:41:18,720 --> 00:41:21,720

Let's hope they finally break something.

802

00:41:23,720 --> 00:41:27,720

JD saunters back to the bunker as our guys weigh the odds.

803

00:41:27,720 --> 00:41:29,720

Alright, quick predictions.

804

00:41:29,720 --> 00:41:34,720

Okay, I think if any of the guns are going to go off it's going to be the one in Buster's hand because I've got his finger on the trigger.

805

00:41:34,720 --> 00:41:40,720

I don't think that any of the guns are going to go off. I don't think that this is even enough energy to make them go off.

806

00:41:40,720 --> 00:41:43,720

Alright, this is explosion setting off SKS rifles.

807

00:41:43,720 --> 00:41:45,720

Alright, Carrie, take it away.

808

00:41:45,720 --> 00:41:48,720

In three, two, one!

809

00:41:52,720 --> 00:41:53,720

Nice!

810

00:41:54,720 --> 00:41:55,720

Nice one, JD!

811

00:41:55,720 --> 00:41:57,720

That never gets old.

812

00:41:58,720 --> 00:42:03,720

It's the blast we were begging for, but did it trigger even one of the guns?

813

00:42:05,720 --> 00:42:07,720

Wow, you're not a wreck of party!

814

00:42:07,720 --> 00:42:08,720

Oh my god!

815

00:42:08,720 --> 00:42:09,720

Now that easy part, finding the guns.

816

00:42:09,720 --> 00:42:11,720

Look at this hole right where the package was.

817

00:42:11,720 --> 00:42:13,720

Alright, should we check them?

818

00:42:13,720 --> 00:42:14,720

Yeah.

819

00:42:14,720 --> 00:42:16,720

That one didn't go off.

820

00:42:16,720 --> 00:42:17,720

Let's check Buster.

821

00:42:18,720 --> 00:42:21,720

Alright, show us what you got.

822

00:42:21,720 --> 00:42:22,720

Okay.

823

00:42:22,720 --> 00:42:24,720

Look at that one, the safety actually went back on.

824

00:42:24,720 --> 00:42:25,720

Nope.

825

00:42:25,720 --> 00:42:27,720

Didn't fire off.

826

00:42:27,720 --> 00:42:31,720

Alright, that was the one that was in his hands with the finger on the trigger.

827

00:42:31,720 --> 00:42:34,720

Two guns down and two to go.

828

00:42:36,720 --> 00:42:38,720

Watch out!

829

00:42:39,720 --> 00:42:41,720

The round went off!

830

00:42:41,720 --> 00:42:43,720

Oh my god!

831

00:42:44,720 --> 00:42:52,720

It's no surprise that a C4 shockwave has the edge on one of the world's best and loudest car sound systems.

832

00:42:52,720 --> 00:42:54,720

But at least we've got a result.

833

00:42:54,720 --> 00:42:56,720

Last one.

834

00:42:57,720 --> 00:42:58,720

Wow!

835

00:42:58,720 --> 00:42:59,720

It didn't go off.

836

00:42:59,720 --> 00:43:00,720

You know what?

837

00:43:00,720 --> 00:43:03,720

One did and one out of four, I say this is plausible.

838

00:43:03,720 --> 00:43:07,720

Yeah, I mean, the gun fired as a result of the explosion.

839

00:43:07,720 --> 00:43:08,720

Plausible.

840

00:43:08,720 --> 00:43:09,720

I'd buy that plausible.

841

00:43:09,720 --> 00:43:12,720

That is crazy, I can't believe it worked.

842

00:43:12,720 --> 00:43:17,720

After days of disappointment, this should at least send them home happy.

843

00:43:17,720 --> 00:43:19,720

And the message couldn't be clearer.

844

00:43:19,720 --> 00:43:23,720

It's unsafe to leave loaded guns in exploding rooms.