

1

00:00:00,000 --> 00:00:03,000

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

2

00:00:03,000 --> 00:00:05,940

We consult with experts, we take every precaution

3

00:00:05,940 --> 00:00:09,380

and we have years of experience in dangerous situations.

4

00:00:09,380 --> 00:00:12,440

On this car conundrum episode of Mythbusters,

5

00:00:13,740 --> 00:00:16,260

Jamie and Adam get that sinking feeling.

6

00:00:17,340 --> 00:00:20,580

Oh man, all that sound is so loud.

7

00:00:20,580 --> 00:00:22,920

As they find out what really happens

8

00:00:22,920 --> 00:00:25,640

when your car floors it into a flood.

9

00:00:25,640 --> 00:00:27,480

Oh my God, it's coming up into the wind.

10

00:00:27,480 --> 00:00:29,000

Wow, I can feel the pressure.

11

00:00:29,000 --> 00:00:32,280

Are you doomed or is there a way to escape?

12

00:00:32,280 --> 00:00:34,120

That is intense.

13

00:00:34,120 --> 00:00:34,960

Then.

14

00:00:34,960 --> 00:00:36,600

All right, Grant, blows away.

15

00:00:36,600 --> 00:00:40,040

Can you really use a tennis ball as a lock pick?

16

00:00:40,040 --> 00:00:41,240

Yeah, go for it.

17

00:00:41,240 --> 00:00:44,920

And finally, do these silver screen chasing cliches

18

00:00:44,920 --> 00:00:46,320

match up to reality?

19

00:00:46,320 --> 00:00:47,920

Which way to the destruction?

20

00:00:47,920 --> 00:00:48,760

Oh my God.

21

00:00:54,880 --> 00:00:56,520

Who are the Mythbusters?

22

00:00:57,480 --> 00:00:58,560

Adam Savage.

23

00:00:58,560 --> 00:00:59,680

That is science.

24

00:00:59,680 --> 00:01:01,040

And Jamie Hoderman.

25

00:01:01,040 --> 00:01:02,680

We're gonna have an adventure.

26

00:01:02,680 --> 00:01:06,720

Between them more than 30 years of special effects experience.

27

00:01:06,720 --> 00:01:08,160

Fun for the whole family.

28

00:01:09,160 --> 00:01:12,280

Joining them, Grant Imahara.

29

00:01:12,280 --> 00:01:13,600

Formidable projectile.

30

00:01:13,600 --> 00:01:15,080

Carrie Byron.

31

00:01:15,080 --> 00:01:15,920

Let's do it.

32

00:01:15,920 --> 00:01:16,760

Tori Bellachy.

33

00:01:16,760 --> 00:01:18,760

We only have one shot at this.

34

00:01:18,760 --> 00:01:20,840

They don't just tell the Myths,

35

00:01:20,840 --> 00:01:22,880

they put them to the test.

36

00:01:28,560 --> 00:01:30,560

Underwater car escape.

37

00:01:30,560 --> 00:01:34,000

Something tells me this involves a car in the water.

38

00:01:34,000 --> 00:01:35,880

Shockingly, that is true.

39

00:01:35,880 --> 00:01:37,400

This is what I've been wanting to do

40

00:01:37,400 --> 00:01:39,520

almost since we started doing this show.

41

00:01:39,520 --> 00:01:41,120

The myth is that you're in a car,

42

00:01:41,120 --> 00:01:43,120

it goes over the side of a bridge or something

43

00:01:43,120 --> 00:01:45,120

into the water and starts to sink.

44

00:01:45,120 --> 00:01:47,520

The myth is you will not be able to open that door

45

00:01:47,520 --> 00:01:50,080

until the cabin of the car fills up with water.

46

00:01:50,080 --> 00:01:51,720

And then you can open the door

47

00:01:51,720 --> 00:01:53,720

and then you can go into the water.

48

00:01:53,720 --> 00:01:55,720

And then you can go into the water.

49

00:01:55,720 --> 00:01:57,720

And then you can go into the water.

50

00:01:57,720 --> 00:01:59,440

You can open the door and escape.

51

00:01:59,440 --> 00:02:01,840

Sounds like you might be kind of close though.

52

00:02:01,840 --> 00:02:03,840

That's exactly what we're gonna find out.

53

00:02:05,880 --> 00:02:09,720

It's the stuff of nightmares and spectacular movie stunts.

54

00:02:09,720 --> 00:02:13,760

But this sinking scenario is a real life life threat.

55

00:02:13,760 --> 00:02:16,920

So if you're in a vehicle that takes a dive into the depths,

56

00:02:16,920 --> 00:02:18,600

is it possible to escape?

57

00:02:18,600 --> 00:02:21,040

Or would a watery grave be your fate?

58

00:02:22,400 --> 00:02:25,040

The myth is if you're trapped in a sinking car,

59

00:02:25,040 --> 00:02:27,960

you have to wait until the cabin fills up with water.

60

00:02:27,960 --> 00:02:29,720

And the pressure equalizes

61

00:02:29,720 --> 00:02:32,880

before it's possible to open a door and swim free.

62

00:02:34,760 --> 00:02:36,440

I think it's pretty obvious what the plan

63

00:02:36,440 --> 00:02:38,000

for this one should be.

64

00:02:38,000 --> 00:02:39,640

Yep, we gotta get a real car,

65

00:02:39,640 --> 00:02:41,240

we gotta put it in the water

66

00:02:41,240 --> 00:02:43,760

and get inside it and go down with it.

67

00:02:43,760 --> 00:02:45,360

Really, I've always wanted to be the dude in the car.

68

00:02:45,360 --> 00:02:46,520

You gotta let me be the dude in the car.

69

00:02:46,520 --> 00:02:47,800

You can be the dude in the car.

70

00:02:47,800 --> 00:02:49,040

Yes!

71

00:02:49,040 --> 00:02:51,120

Dude, better you than me.

72

00:02:51,120 --> 00:02:52,880

But before he gets his feet wet,

73

00:02:52,880 --> 00:02:55,960

Adam first sets up a small-scale pressure test.

74

00:02:55,960 --> 00:02:59,120

He fills a three-foot deep cylindrical tank with water.

75

00:02:59,120 --> 00:03:02,440

It's an interestingly improvised rubbery contrivance

76

00:03:02,440 --> 00:03:04,920

that makes perfect sense to him.

77

00:03:04,920 --> 00:03:08,560

On the right here is a box which represents my car.

78

00:03:08,560 --> 00:03:11,680

And like a car, it will let water in but slowly.

79

00:03:11,680 --> 00:03:14,560

It'll leak out of a lot of the corners and edges.

80

00:03:14,560 --> 00:03:17,720

And when you see that happening,

81

00:03:17,720 --> 00:03:19,720

hopefully this unit will demonstrate

82

00:03:19,720 --> 00:03:22,440

that the pressure's higher here on this drum

83

00:03:22,440 --> 00:03:24,800

that's in the open water than it is on this drum

84

00:03:24,800 --> 00:03:26,080

that's in the car.

85

00:03:26,080 --> 00:03:28,720

Adam places a small piece of perspex loosely

86

00:03:28,720 --> 00:03:30,200

on the underside of the box

87

00:03:30,200 --> 00:03:33,000

that will represent the door of his car.

88

00:03:33,000 --> 00:03:33,840

Ready?

89

00:03:33,840 --> 00:03:34,680

Yep.

90

00:03:34,680 --> 00:03:35,960

Each foot the drum is lowered

91

00:03:35,960 --> 00:03:39,040

is equivalent to half a PSI of pressure.

92

00:03:39,040 --> 00:03:41,200

In the real world, that's a crushing

93

00:03:41,200 --> 00:03:44,880

one to 2,000 pounds of force on a door.

94

00:03:44,880 --> 00:03:46,120

That's the pressure inside the car,

95

00:03:46,120 --> 00:03:48,360

that's the pressure of the water outside the car.

96

00:03:48,360 --> 00:03:50,320

If you're inside this car,

97

00:03:50,320 --> 00:03:52,200

you're trying to open this door, you can't,

98

00:03:52,200 --> 00:03:53,880

because the pressure outside is higher

99

00:03:53,880 --> 00:03:55,160

than the pressure inside.

100

00:03:55,160 --> 00:03:57,360

Pressure differential, it's happening.

101

00:03:58,960 --> 00:04:00,680

Pressure differential occurs

102

00:04:00,680 --> 00:04:03,600

because water exerts greater pressure than air.

103

00:04:03,600 --> 00:04:06,880

When a vehicle sinks, the water presses on the doors,

104

00:04:06,880 --> 00:04:08,000

holding them shut.

105

00:04:08,000 --> 00:04:09,800

When the cabin fills with water,

106

00:04:09,800 --> 00:04:12,840

the inside pressure becomes the same as the outside.

107

00:04:12,840 --> 00:04:15,400

And it's only then its grip is released.

108

00:04:16,240 --> 00:04:20,720

After building up and up, the two lines finally meet.

109

00:04:20,720 --> 00:04:22,280

Watch the store, watch the store.

110

00:04:22,280 --> 00:04:23,480

And release.

111

00:04:23,480 --> 00:04:24,320

Ha ha ha!

112

00:04:26,120 --> 00:04:27,120

There it goes.

113

00:04:29,080 --> 00:04:31,880

To test this theory in a real life situation,

114

00:04:31,880 --> 00:04:34,760

the plan is to suspend a car from a crane.

115

00:04:34,760 --> 00:04:36,920

Adam will be the trap driver in front,

116

00:04:36,920 --> 00:04:39,600

while Jamie will be in back wearing a rebreather.

117

00:04:39,600 --> 00:04:42,440

Then the car will be lowered into the watery depths,

118

00:04:42,440 --> 00:04:45,520

with safety divers monitoring the entire operation.

119

00:04:47,040 --> 00:04:48,480

Fresh from the classifies,

120

00:04:48,480 --> 00:04:52,720

Jamie has found a classic American sedan with power windows.

121

00:04:52,720 --> 00:04:54,240

It runs great.

122

00:04:54,240 --> 00:04:56,160

Never to start again.

123

00:04:56,160 --> 00:04:57,360

Now to pull it apart.

124

00:04:58,440 --> 00:05:00,880

First thing we need to do is remove the engine from the car

125

00:05:00,880 --> 00:05:04,280

because any oil, any fluids that would foul the water

126

00:05:04,280 --> 00:05:05,480

is gonna be a problem.

127

00:05:06,560 --> 00:05:09,520

First he cuts the welds that hold the engine in place.

128

00:05:10,600 --> 00:05:13,040

Wisely putting safety before style,

129

00:05:13,040 --> 00:05:15,240

Jamie torches without his beret.

130

00:05:16,240 --> 00:05:18,480

Then he ties a chain around the engine

131

00:05:18,480 --> 00:05:20,600

that is attached to a forklift.

132

00:05:20,600 --> 00:05:22,760

Time to give it a gentle tug.

133

00:05:27,560 --> 00:05:30,120

Looks like it doesn't want to come out.

134

00:05:30,120 --> 00:05:31,760

Well, it's holding it.

135

00:05:31,760 --> 00:05:33,880

Maybe it just needs a little coaxing.

136

00:05:38,280 --> 00:05:39,120

What's the matter?

137

00:05:39,120 --> 00:05:42,640

Haven't you ever seen somebody work on a car with an ax?

138

00:05:42,840 --> 00:05:46,560

His opponent has been wounded and is starting to weaken.

139

00:05:47,400 --> 00:05:48,240

It's coming.

140

00:05:50,240 --> 00:05:54,160

After a protracted battle, the engine finally succumbs.

141

00:05:56,360 --> 00:05:59,240

Jamie is victorious, but the thrill of the kill

142

00:05:59,240 --> 00:06:00,640

has gone to his head.

143

00:06:00,640 --> 00:06:02,960

I had to remove the engine from the car

144

00:06:02,960 --> 00:06:05,720

to clean the car up, so I did.

145

00:06:08,000 --> 00:06:10,360

Well, there's your problem.

146

00:06:13,640 --> 00:06:15,080

Now that the engine is out,

147

00:06:15,080 --> 00:06:17,560

he needs to add its equivalent weight back in.

148

00:06:18,640 --> 00:06:21,320

This thing right here is our engine surrogate.

149

00:06:21,320 --> 00:06:24,440

We need to simulate the amount of weight that it represented

150

00:06:24,440 --> 00:06:27,440

because the car might settle into the water differently

151

00:06:27,440 --> 00:06:28,280

if we don't.

152

00:06:29,080 --> 00:06:33,120

700 pounds of weight is lowered into the cavity.

153

00:06:33,120 --> 00:06:35,720

This is Jamie's new hydrogen fuel cell engine.

154

00:06:38,600 --> 00:06:40,320

And with the weighing checked off,

155

00:06:40,600 --> 00:06:42,680

it's time to get wet for science

156

00:06:42,680 --> 00:06:45,320

and drive the car into the pool.

157

00:06:45,320 --> 00:06:46,680

To conduct their test,

158

00:06:46,680 --> 00:06:48,880

Campolindo High School in Marega

159

00:06:48,880 --> 00:06:51,840

is kindly letting us use their Aquatic Center.

160

00:06:51,840 --> 00:06:53,400

Go Cougars.

161

00:06:53,400 --> 00:06:55,200

This is a high school diving pool

162

00:06:55,200 --> 00:06:57,840

and this is where we're gonna sink our car.

163

00:06:57,840 --> 00:06:59,960

It's about 13 feet deep right here,

164

00:06:59,960 --> 00:07:02,880

which should be plenty for us to do our test.

165

00:07:02,880 --> 00:07:04,480

It's nice and warm.

166

00:07:04,480 --> 00:07:05,640

It'll be great.

167

00:07:05,640 --> 00:07:07,800

Jamie's auto arrives on location.

168

00:07:07,800 --> 00:07:09,920

The engine cavity has been steam cleaned

169

00:07:09,920 --> 00:07:12,960

so every trace of oil and grease is gone

170

00:07:12,960 --> 00:07:14,520

and won't foul the waters.

171

00:07:17,800 --> 00:07:18,760

Where's the engine?

172

00:07:19,760 --> 00:07:22,320

They attach heavy chains under, over,

173

00:07:22,320 --> 00:07:24,560

and in between the body of the car

174

00:07:24,560 --> 00:07:27,280

and fasten them to a hook suspended from a crane.

175

00:07:30,160 --> 00:07:32,880

This vehicle may not be able to drive,

176

00:07:32,880 --> 00:07:34,480

but it sure can fly.

177

00:07:34,480 --> 00:07:37,360

Don't let it go too fast.

178

00:07:37,360 --> 00:07:38,200

No, I know.

179

00:07:38,200 --> 00:07:39,160

You're gonna have trouble stopping it.

180

00:07:40,000 --> 00:07:41,920

They park it on the side of the pool.

181

00:07:43,640 --> 00:07:45,760

Lovely.

182

00:07:45,760 --> 00:07:47,960

Then the crew mounts underwater cameras

183

00:07:47,960 --> 00:07:50,600

both inside and out for a fish eye view

184

00:07:50,600 --> 00:07:52,760

of what's happening beneath the surface.

185

00:07:54,360 --> 00:07:56,760

Aside from his burning enthusiasm,

186

00:07:56,760 --> 00:08:00,480

Adam has a burning question for safety diver, Sean.

187

00:08:00,480 --> 00:08:02,680

All right, Sean, so I'm gonna be in this car.

188

00:08:02,680 --> 00:08:04,920

It's gonna start filling up with water.

189

00:08:04,920 --> 00:08:05,920

I'm gonna hold my breath,

190

00:08:05,920 --> 00:08:08,800

but when I run out, what's the backup?

191

00:08:08,840 --> 00:08:10,760

Well, the backup is sitting

192

00:08:10,760 --> 00:08:12,320

in your passenger seat right there.

193

00:08:12,320 --> 00:08:13,320

This, back down.

194

00:08:13,320 --> 00:08:15,080

We're gonna keep a feet of air waiting for you

195

00:08:15,080 --> 00:08:16,760

with five foot long hose.

196

00:08:16,760 --> 00:08:19,720

Remember to purge it and breathe normally.

197

00:08:20,840 --> 00:08:21,680

That's already hooked up.

198

00:08:21,680 --> 00:08:22,520

Get you out of there.

199

00:08:22,520 --> 00:08:23,360

It's ready to go.

200

00:08:23,360 --> 00:08:26,120

And Jamie will be sitting here in his rebreather

201

00:08:26,120 --> 00:08:27,880

with this standing bind case I need it.

202

00:08:27,880 --> 00:08:28,720

Correct.

203

00:08:28,720 --> 00:08:30,880

Jamie isn't in the back just to look pretty.

204

00:08:30,880 --> 00:08:34,520

He's a certified dive master with 30 years of experience

205

00:08:34,520 --> 00:08:37,480

and 3,000 dives under his weight belt.

206

00:08:37,480 --> 00:08:39,240

I'm just gonna be sitting there relaxing,

207

00:08:39,240 --> 00:08:40,640

waiting for Adam to freak out.

208

00:08:40,640 --> 00:08:42,720

And then I'll be right there with his regulator.

209

00:08:42,720 --> 00:08:46,040

So as not to skew the test by adding extra air,

210

00:08:46,040 --> 00:08:47,880

Jamie will be using a rebreather

211

00:08:47,880 --> 00:08:50,160

instead of regular scuba tanks.

212

00:08:50,160 --> 00:08:52,800

Rebreathers recycle exhaled breath

213

00:08:52,800 --> 00:08:55,000

and therefore don't create bubbles.

214

00:08:55,000 --> 00:08:58,560

It's a self-contained unit that's very 007.

215

00:08:59,680 --> 00:09:02,640

Adam's starting to lose his cool.

216

00:09:02,640 --> 00:09:04,400

I'm actually a little freaked out

217

00:09:04,400 --> 00:09:07,200

because I'm gonna be like holding myself up

218

00:09:07,200 --> 00:09:08,320

off the dashboard.

219

00:09:08,320 --> 00:09:12,120

I'll be my face planted into the windshield in this thing.

220

00:09:12,120 --> 00:09:13,400

I didn't take that into account

221

00:09:13,400 --> 00:09:15,440

and it's gonna make this a lot more difficult

222

00:09:15,440 --> 00:09:18,080

to stay focused and calm.

223

00:09:18,080 --> 00:09:19,760

Let's go do it.

224

00:09:19,760 --> 00:09:21,840

The safety divers swim into position.

225

00:09:24,240 --> 00:09:28,480

And Jamie has some final sage words of advice.

226

00:09:28,480 --> 00:09:30,280

Adam, I only have one thing to say to you.

227

00:09:30,280 --> 00:09:31,480

Yeah.

228

00:09:31,480 --> 00:09:32,520

Don't pee in the pool.

229

00:09:33,320 --> 00:09:35,240

Because I'm in the car there with you.

230

00:09:35,240 --> 00:09:38,720

Time for Adam to get inside for the ride of his life.

231

00:09:40,680 --> 00:09:41,520

You ready?

232

00:09:41,520 --> 00:09:42,360

I'm all set.

233

00:09:46,520 --> 00:09:50,600

So wearing no scuba gear, 13 feet underwater,

234

00:09:50,600 --> 00:09:53,360

does Adam think he'll sink or swim?

235

00:09:53,360 --> 00:09:55,560

I think it's entirely likely I may need oxygen

236

00:09:55,560 --> 00:09:56,880

before this test is complete.

237

00:09:58,760 --> 00:10:00,000

Okay, getting into gear.

238

00:10:00,000 --> 00:10:01,000

Is that a problem?

239

00:10:02,680 --> 00:10:05,800

Coming up, one myth hits the road.

240

00:10:07,880 --> 00:10:09,280

While another sinks.

241

00:10:09,280 --> 00:10:10,880

My God, it set my knees.

242

00:10:17,920 --> 00:10:20,560

Now for some crash bash and smash.

243

00:10:24,960 --> 00:10:26,480

Okay, what do we got to smash?

244

00:10:26,480 --> 00:10:30,280

We have a four course menu of demolition and destruction.

245

00:10:30,280 --> 00:10:31,560

We have cars of course.

246

00:10:31,560 --> 00:10:33,800

We got a fruit stand, we got a fence,

247

00:10:33,800 --> 00:10:36,280

we got a semi-trailer and an RV.

248

00:10:36,280 --> 00:10:39,080

Yes, we are testing Hollywood crash cliches

249

00:10:39,080 --> 00:10:41,720

and whether they're anything close to reality.

250

00:10:41,720 --> 00:10:43,520

Okay, like the chase scene where they drive

251

00:10:43,520 --> 00:10:45,280

through the fruit stand and everybody's fine.

252

00:10:45,280 --> 00:10:47,680

Exactly, yeah, or like in the 70s cop show

253

00:10:47,680 --> 00:10:49,400

where they bust through the chain link fence.

254

00:10:49,400 --> 00:10:51,240

And if you can drive through an RV,

255

00:10:51,240 --> 00:10:52,520

like it's not even there.

256

00:10:52,520 --> 00:10:53,600

Like in Mad Max.

257

00:10:53,600 --> 00:10:55,280

Just like Mad Max.

258

00:10:55,280 --> 00:10:57,000

Okay, well what's the semi for?

259

00:10:57,000 --> 00:10:58,760

Instant convertible.

260

00:10:58,760 --> 00:10:59,600

I love that one.

261

00:10:59,600 --> 00:11:01,120

That's where the truck comes across the road.

262

00:11:01,160 --> 00:11:02,160

There's no time to stop.

263

00:11:02,160 --> 00:11:04,720

The car drives under, cuts the roof clean off,

264

00:11:04,720 --> 00:11:05,960

but the driver's unharmed.

265

00:11:05,960 --> 00:11:07,800

This is gonna be fun.

266

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

So in the real world,

267

00:11:11,520 --> 00:11:15,000

would these crash cliches really look like this?

268

00:11:16,040 --> 00:11:19,000

And would you really drive away unharmed?

269

00:11:20,480 --> 00:11:21,800

So you guys wanna test this?

270

00:11:21,800 --> 00:11:23,200

I think this is pretty straightforward.

271

00:11:23,200 --> 00:11:25,440

We just set up the obstacles just like in the movies

272

00:11:25,440 --> 00:11:28,080

and hit it with a real car and see what really happens.

273

00:11:28,080 --> 00:11:29,960

So we're gonna radio control some cars.

274

00:11:30,000 --> 00:11:32,160

No, let's go back up to the guys at e-tech.

275

00:11:32,160 --> 00:11:33,640

The tow system's already in place

276

00:11:33,640 --> 00:11:35,320

and it went so well last time.

277

00:11:35,320 --> 00:11:36,080

Good idea.

278

00:11:36,080 --> 00:11:37,200

Less work for me.

279

00:11:37,200 --> 00:11:38,520

What's first?

280

00:11:38,520 --> 00:11:39,440

Fruit stand.

281

00:11:39,440 --> 00:11:40,440

Melons, anyone?

282

00:11:41,360 --> 00:11:45,040

It's a 70s cop show car chase favorite.

283

00:11:45,040 --> 00:11:48,360

A spectacular fruit stand drive through

284

00:11:48,360 --> 00:11:52,400

that leaves driver and car completely undamaged.

285

00:11:52,400 --> 00:11:55,560

And we're better to test the reality of a car crash

286

00:11:55,560 --> 00:11:56,680

than e-tech.

287

00:11:57,680 --> 00:12:01,280

Where last time the team hit repeatedly

288

00:12:01,280 --> 00:12:03,120

a moose loose on the road.

289

00:12:04,600 --> 00:12:07,080

But this time out goes the animal

290

00:12:07,080 --> 00:12:09,600

and in comes the rotten fruit and vegetables.

291

00:12:09,600 --> 00:12:11,000

These are gonna be our fruit stands.

292

00:12:11,000 --> 00:12:13,400

This is for our classic car chase scene.

293

00:12:13,400 --> 00:12:15,680

Which way to the destruction?

294

00:12:15,680 --> 00:12:17,240

The car drives in the fruit stand,

295

00:12:17,240 --> 00:12:18,920

vendor jumps out of the way.

296

00:12:18,920 --> 00:12:20,640

Fruits and vegetables go everywhere.

297

00:12:20,640 --> 00:12:22,360

And then it just keeps right on driving.

298

00:12:22,360 --> 00:12:23,520

What we wanna know,

299

00:12:23,520 --> 00:12:25,240

if you do crash into a fruit stand,

300

00:12:25,280 --> 00:12:27,160

would you be able to continue the chase?

301

00:12:27,160 --> 00:12:29,600

My feeling is, you're gonna smash up your radiator,

302

00:12:29,600 --> 00:12:30,800

your car's gonna overheat,

303

00:12:30,800 --> 00:12:32,320

and you're gonna stall at the side of the road

304

00:12:32,320 --> 00:12:34,000

and the cops are gonna catch you.

305

00:12:34,000 --> 00:12:36,680

Hope no cars come crashing into my fruit stand.

306

00:12:36,680 --> 00:12:38,840

Probably shouldn't have set it up there then.

307

00:12:38,840 --> 00:12:40,040

Because real soon,

308

00:12:40,040 --> 00:12:43,080

that's going to be a high speed pursued highway.

309

00:12:43,080 --> 00:12:44,280

For this test, we're gonna have the car

310

00:12:44,280 --> 00:12:45,680

going at 70 miles an hour.

311

00:12:45,680 --> 00:12:47,840

Because let's face it, this is a high speed chase.

312

00:12:47,840 --> 00:12:49,560

And you wanna be going as fast as you can

313

00:12:49,560 --> 00:12:50,760

and be able to control the car.

314

00:12:50,760 --> 00:12:53,400

So that's why we're picking 70 miles an hour.

315

00:12:53,440 --> 00:12:56,520

So this is the setup for our first Hollywood crash test.

316

00:12:56,520 --> 00:12:57,800

This is the tow vehicle,

317

00:12:57,800 --> 00:12:59,720

which is gonna be pulling our crash vehicle

318

00:12:59,720 --> 00:13:01,480

on a two to one pulling ratio.

319

00:13:01,480 --> 00:13:05,000

Which means, when this vehicle gets up to 35 miles an hour,

320

00:13:05,000 --> 00:13:07,760

this car will be going 70 miles an hour.

321

00:13:07,760 --> 00:13:10,560

It'll be towed straight down the track by a cable,

322

00:13:10,560 --> 00:13:13,320

all the way to the end, where it'll release.

323

00:13:13,320 --> 00:13:16,080

And hit this fruit stand in a spectacular way.

324

00:13:16,080 --> 00:13:19,040

But will it be Hollywood spectacular?

325

00:13:19,040 --> 00:13:21,440

All right, this is Hollywood crash test

326

00:13:21,440 --> 00:13:26,340

into the fruit stand in three, two, one, go.

327

00:13:29,840 --> 00:13:34,200

20, 40, 50, 60,

328

00:13:35,560 --> 00:13:36,400

Oh my God.

329

00:13:36,400 --> 00:13:37,240

Oh my God.

330

00:13:37,240 --> 00:13:38,080

Oh my God.

331

00:13:38,080 --> 00:13:38,920

70, and...

332

00:13:38,920 --> 00:13:39,760

Oh my God.

333

00:13:39,760 --> 00:13:40,600

Oh my God.

334

00:13:40,600 --> 00:13:41,440

Oh my God.

335

00:13:45,440 --> 00:13:48,360

That was awesome.

336

00:13:48,600 --> 00:13:52,040

Talk about a tossed fruit salad.

337

00:13:55,960 --> 00:13:59,800

Yep, the spray of fruit and vegetables was very Hollywood.

338

00:14:01,360 --> 00:14:04,800

And you can see why it's become such a crash cliché.

339

00:14:04,800 --> 00:14:06,360

It makes for good TV.

340

00:14:07,360 --> 00:14:09,680

That absolutely lived up to Hollywood spectacle.

341

00:14:09,680 --> 00:14:11,480

It was beautiful.

342

00:14:11,480 --> 00:14:15,320

But in reality, did the car make it through unharmed

343

00:14:15,320 --> 00:14:18,080

and wasn't able to continue its car chase?

344

00:14:19,360 --> 00:14:23,080

I think even if you did make it through the fruit stand,

345

00:14:23,080 --> 00:14:26,160

you can't really see so well out the windshield.

346

00:14:26,160 --> 00:14:29,280

Look at all it's mushy, spruce, smoothie.

347

00:14:29,280 --> 00:14:32,840

Well, unlike the windshield, the answer seems pretty clear.

348

00:14:32,840 --> 00:14:36,760

Lots of heavy produce on a real life sturdy fruit stand

349

00:14:36,760 --> 00:14:39,880

is a significant and dangerous obstacle.

350

00:14:39,880 --> 00:14:42,640

Oh, cool.

351

00:14:42,640 --> 00:14:44,320

Okay, well now that you've seen the footage,

352

00:14:44,320 --> 00:14:45,280

what do you think?

353

00:14:45,280 --> 00:14:47,560

It looks like a classic Hollywood crash to me.

354

00:14:47,560 --> 00:14:50,440

Yeah, I mean, no wonder they use the fruit stand on TV all the time.

355

00:14:50,440 --> 00:14:52,440

It looks awesome, and from this angle,

356

00:14:52,440 --> 00:14:54,160

it looks like it made it through easily.

357

00:14:54,160 --> 00:14:55,560

Yeah, but look at it from the back.

358

00:14:55,560 --> 00:14:58,080

I mean, the hood clearly crushed from the impact.

359

00:14:58,080 --> 00:14:59,840

Yeah, you know, if there's no way that car would be able

360

00:14:59,840 --> 00:15:01,920

to continue the chase and the shape that it's in.

361

00:15:01,920 --> 00:15:03,240

So this one's busted?

362

00:15:03,240 --> 00:15:04,240

Yeah, busted.

363

00:15:04,240 --> 00:15:05,160

Busted.

364

00:15:05,160 --> 00:15:06,120

Well, that's not it, right?

365

00:15:06,120 --> 00:15:08,120

Nope, chain link fence is next.

366

00:15:14,040 --> 00:15:16,040

Jamie and Adam are testing the myth

367

00:15:16,040 --> 00:15:19,800

that if your car swerves off the road and into a body of water,

368

00:15:19,800 --> 00:15:23,720

to get out alive, you have to wait until it's completely submerged

369

00:15:23,720 --> 00:15:26,560

and full of water before you can open the door.

370

00:15:26,560 --> 00:15:31,240

So did you know last year, Triple A estimated 11,000 vehicles

371

00:15:31,240 --> 00:15:32,760

went off the road and into the water,

372

00:15:32,760 --> 00:15:36,200

and as a result of those accidents, 300 people died?

373

00:15:36,200 --> 00:15:37,960

Holy cow, that's a lot of people.

374

00:15:37,960 --> 00:15:40,320

I thought it was more like a freak accident.

375

00:15:40,320 --> 00:15:42,160

Now, apparently it's a lot more common than that.

376

00:15:42,160 --> 00:15:44,760

Well, maybe we can help raise awareness a bit

377

00:15:44,760 --> 00:15:46,320

as to what these people are facing.

378

00:15:49,920 --> 00:15:52,000

And what better way to raise awareness

379

00:15:52,000 --> 00:15:55,520

than to raise themselves in a car, into the sky,

380

00:15:55,520 --> 00:15:57,840

and plunge into a pool?

381

00:15:57,840 --> 00:16:01,360

What the f\*\*\* are we doing?

382

00:16:01,360 --> 00:16:04,120

Remember, when Adam goes 13 feet under,

383

00:16:04,120 --> 00:16:07,200

he won't be wearing breathing apparatus.

384

00:16:07,200 --> 00:16:09,600

The paramedics are on their toes.

385

00:16:09,600 --> 00:16:14,280

And Adam has his escape strategy all worked out.

386

00:16:14,280 --> 00:16:16,680

I'm going to try to start opening this door

387

00:16:16,680 --> 00:16:20,080

the moment I see the water get above my glass.

388

00:16:20,080 --> 00:16:22,880

Now, if the myth is true, I won't be able to open that door

389

00:16:22,880 --> 00:16:27,160

until the water level inside the car gets to the same point.

390

00:16:27,160 --> 00:16:28,320

Deep breaths, Adam.

391

00:16:28,320 --> 00:16:29,520

Deep breaths.

392

00:16:29,520 --> 00:16:32,800

It's way too late to put on the brakes.

393

00:16:32,800 --> 00:16:35,040

I couldn't stop now if I wanted to.

394

00:16:35,040 --> 00:16:39,080

As the water rushes in, Adam is getting that sinking feeling.

395

00:16:39,080 --> 00:16:40,640

Oh, s\*\*\*.

396

00:16:40,640 --> 00:16:43,240

Oh, man.

397

00:16:44,000 --> 00:16:45,800

The crane chains go slack,

398

00:16:45,800 --> 00:16:47,800

and the car is sinking on its own.

399

00:16:47,800 --> 00:16:51,880

The 700-pound fake engine is taking it down nose first,

400

00:16:51,880 --> 00:16:55,040

exactly as it would in a real situation.

401

00:16:56,040 --> 00:16:59,040

The water's up to my butt now.

402

00:16:59,040 --> 00:17:00,640

All right.

403

00:17:00,640 --> 00:17:02,640

Okay, it's coming past my waist.

404

00:17:02,640 --> 00:17:04,880

Now I can start to see under the water.

405

00:17:04,880 --> 00:17:07,080

Oh, my God, it's coming up under the windshield.

406

00:17:07,080 --> 00:17:08,880

Wow, I can feel the pressure.

407

00:17:08,880 --> 00:17:10,040

All right.

408

00:17:10,040 --> 00:17:11,880

I only have a couple more breaths here.

409

00:17:14,240 --> 00:17:19,240

Adam's never this quiet, so what's going on down there?

410

00:17:19,240 --> 00:17:23,240

The water is leaking in from every open crevice in the car,

411

00:17:23,240 --> 00:17:25,240

and Adam is now fully under.

412

00:17:25,240 --> 00:17:28,240

He holds his breath, tugs on the door,

413

00:17:28,240 --> 00:17:33,240

pushes his whole weight against it, but nothing happens.

414

00:17:33,240 --> 00:17:36,240

Finally, he can't hold his breath any longer

415

00:17:36,240 --> 00:17:39,240

and signals for Jamie to pass in the regulator.

416

00:17:40,240 --> 00:17:43,240

When the pressure ultimately equalizes,

417

00:17:43,240 --> 00:17:46,240

he opens the door and swims to the surface,

418

00:17:46,240 --> 00:17:48,240

but it was too late.

419

00:17:49,240 --> 00:17:50,240

Ha!

420

00:17:50,240 --> 00:17:51,240

Woo!

421

00:17:51,240 --> 00:17:52,240

Ah!

422

00:17:52,240 --> 00:17:53,240

Ah!

423

00:17:53,240 --> 00:17:54,240

Ah!

424

00:17:54,240 --> 00:17:55,240

Ah!

425

00:17:55,240 --> 00:17:56,240

Ah!

426

00:17:56,240 --> 00:17:57,240

Ah!

427

00:17:57,240 --> 00:17:58,240

Ah!

428

00:17:58,240 --> 00:18:00,240

Ha, ha, ha, ha!

429

00:18:00,240 --> 00:18:02,240

That is intense!

430

00:18:02,240 --> 00:18:04,240

No matter how you slice it.

431

00:18:04,240 --> 00:18:05,240

Ah!

432

00:18:05,240 --> 00:18:06,240

I died.

433

00:18:06,240 --> 00:18:08,240

Let's just put it that way.

434

00:18:08,240 --> 00:18:10,240

Well, that's what a dampener on things.

435

00:18:10,240 --> 00:18:14,240

From the time the water hit Adam's knees to when he surfaced,

436

00:18:14,240 --> 00:18:17,240

took just one minute and 51 seconds,

437

00:18:17,240 --> 00:18:19,240

but that's a long time when you're drowning.

438

00:18:19,240 --> 00:18:23,240

I held my breath, I don't know, for what felt like 30 seconds,

439

00:18:23,240 --> 00:18:25,240

trying to push open that door,

440

00:18:25,240 --> 00:18:28,240

using my legs, bracing up inside the cab.

441

00:18:30,240 --> 00:18:31,240

You died.

442

00:18:31,240 --> 00:18:33,240

Yeah, I died.

443

00:18:34,240 --> 00:18:37,240

Jamie's passive observer view was a little eerie.

444

00:18:37,240 --> 00:18:40,240

I'm just sitting there watching the guy drown.

445

00:18:40,240 --> 00:18:43,240

He's like just going nuts on that door.

446

00:18:43,240 --> 00:18:45,240

He's really using up his oxygen,

447

00:18:45,240 --> 00:18:49,240

and it didn't take him that long to run out.

448

00:18:49,240 --> 00:18:52,240

You don't want to be in a car when it goes down like that.

449

00:18:52,240 --> 00:18:53,240

It's scary.

450

00:18:54,240 --> 00:18:58,240

The bottom line is Adam ran out of air before he could open the door.

451

00:18:58,240 --> 00:19:00,240

That myth is confirmed.

452

00:19:00,240 --> 00:19:07,240

I could not open that door until the cab seemed to be full of water for a while.

453

00:19:07,240 --> 00:19:09,240

Yeah, you were given it all you could,

454

00:19:09,240 --> 00:19:14,240

and you just weren't able to do anything with that door until we started to level out.

455

00:19:14,240 --> 00:19:16,240

That's the point that you opened the door.

456

00:19:16,240 --> 00:19:17,240

Yeah.

457

00:19:17,240 --> 00:19:18,240

And that was quite a while.

458

00:19:18,240 --> 00:19:22,240

Differential pressure can be such a downer.

459

00:19:22,240 --> 00:19:24,240

Still to come.

460

00:19:24,240 --> 00:19:26,240

Crashes and fire. This is awesome.

461

00:19:26,240 --> 00:19:30,240

More spectacular crash test cliches.

462

00:19:35,240 --> 00:19:41,240

Carrie Grant and Tori are taking on tall tales of Hollywood crash cliches.

463

00:19:41,240 --> 00:19:47,240

And after the car was busted from a fruit stand drive-through, so was the myth.

464

00:19:48,240 --> 00:19:51,240

Next up, it's the old chase scene gatecraft.

465

00:19:51,240 --> 00:19:56,240

The question is, would it really fly off the hood like so much set dressing?

466

00:19:56,240 --> 00:19:59,240

Or would there be real-life repercussions?

467

00:19:59,240 --> 00:20:03,240

One thing's for sure, this isn't a film prop.

468

00:20:03,240 --> 00:20:09,240

It's steel, it's heavy, and most importantly, the guys have rigged it realistically.

469

00:20:09,240 --> 00:20:10,240

Get the nuts.

470

00:20:10,240 --> 00:20:11,240

I do.

471

00:20:11,240 --> 00:20:15,240

These chain-link fences are pretty sturdy, and especially the gate section of the fence.

472

00:20:15,240 --> 00:20:18,240

I think it's going to do some serious damage to the car.

473

00:20:18,240 --> 00:20:23,240

The things that we're looking for from this crash are, is the car drivable after it bangs through the fence?

474

00:20:23,240 --> 00:20:25,240

And, does it look like Hollywood?

475

00:20:25,240 --> 00:20:28,240

I really, really doubt the park where it's going to look like Hollywood.

476

00:20:28,240 --> 00:20:31,240

I don't think it's just going to go, pink, and you're going to be able to drive through.

477

00:20:31,240 --> 00:20:33,240

I think I'm going to go with busted on this one.

478

00:20:33,240 --> 00:20:35,240

All right, let's wreck this thing.

479

00:20:35,240 --> 00:20:43,240

Okay, this is Hollywood gate-crashing test in three, two, one, go.

480

00:20:43,240 --> 00:20:53,240

Twenty miles an hour, thirty miles an hour, forty, fifty miles, sixty miles an hour, seventy miles an hour.

481

00:20:59,240 --> 00:21:02,240

On first impressions, there's only one conclusion.

482

00:21:02,240 --> 00:21:04,240

That was so Hollywood!

483

00:21:04,240 --> 00:21:07,240

I got to say that was great, just like in the movies.

484

00:21:07,240 --> 00:21:10,240

The car comes up to the gate, crashes through it, and just keeps on going.

485

00:21:10,240 --> 00:21:12,240

The gate totally exploded.

486

00:21:12,240 --> 00:21:15,240

That was beautiful, I didn't expect that at all.

487

00:21:15,240 --> 00:21:18,240

We were looking to see if this was going to look like Hollywood, and it looked like Hollywood.

488

00:21:18,240 --> 00:21:20,240

The gate just bust dried open.

489

00:21:20,240 --> 00:21:22,240

I was wrong, I'm totally excited about that.

490

00:21:25,240 --> 00:21:29,240

Yes, it was the perfect example of a Hollywood gate-crash.

491

00:21:29,240 --> 00:21:35,240

It flew open, and the car appeared to breeze through unharmed, or did it?

492

00:21:35,240 --> 00:21:45,240

Let me tell you, if I was an action hero, having the airbags go off and the horn keep going would be pretty annoying.

493

00:21:45,240 --> 00:21:48,240

It would be very distracting while you're driving.

494

00:21:48,240 --> 00:21:54,240

Distracting, impractical, and dangerous, but as Grant proves, it's still drivable.

495

00:21:54,240 --> 00:21:56,240

It doesn't handle as well as it used to.

496

00:21:56,240 --> 00:21:58,240

Not the smoothest ride, but still works.

497

00:21:58,240 --> 00:22:00,240

So, where does that leave us?

498

00:22:00,240 --> 00:22:02,240

Well, it runs.

499

00:22:02,240 --> 00:22:05,240

I don't want to call it confirmed because the airbag deployed.

500

00:22:05,240 --> 00:22:08,240

What if we call it plausible because a lot of older cars don't have airbags?

501

00:22:08,240 --> 00:22:09,240

Good point.

502

00:22:09,240 --> 00:22:12,240

Well, it looked like Hollywood, and you could still drive the car.

503

00:22:12,240 --> 00:22:13,240

This one's plausible.

504

00:22:13,240 --> 00:22:14,240

Plausible.

505

00:22:14,240 --> 00:22:15,240

Plausible.

506

00:22:32,240 --> 00:22:33,240

I'm not sure what this is.

507

00:22:33,240 --> 00:22:34,240

I'm not sure what this is.

508

00:22:34,240 --> 00:22:35,240

I'm not sure what this is.

509

00:22:35,240 --> 00:22:36,240

I'm not sure what this is.

510

00:22:36,240 --> 00:22:37,240

I'm not sure what this is.

511

00:22:37,240 --> 00:22:38,240

I'm not sure what this is.

512

00:22:38,240 --> 00:22:39,240

I'm not sure what this is.

513

00:22:39,240 --> 00:22:40,240

I'm not sure what this is.

514

00:22:40,240 --> 00:22:41,240

I'm not sure what this is.

515

00:22:41,240 --> 00:22:42,240

I'm not sure what this is.

516

00:22:42,240 --> 00:22:43,240

I'm not sure what this is.

517

00:22:43,240 --> 00:22:44,240

I'm not sure what this is.

518

00:22:44,240 --> 00:22:45,240

I'm not sure what this is.

519

00:22:45,240 --> 00:22:46,240

I'm not sure what this is.

520

00:22:46,240 --> 00:22:47,240

I'm not sure what this is.

521

00:22:47,240 --> 00:22:48,240

I'm not sure what this is.

522

00:22:48,240 --> 00:22:49,240

I'm not sure what this is.

523

00:22:49,240 --> 00:22:50,240

I'm not sure what this is.

524

00:22:50,240 --> 00:22:51,240

I'm not sure what this is.

525

00:22:51,240 --> 00:22:52,240

I'm not sure what this is.

526

00:22:52,240 --> 00:22:53,240

I'm not sure what this is.

527

00:22:53,240 --> 00:22:54,240

I'm not sure what this is.

528

00:22:54,240 --> 00:22:56,240

They look like they do in the Hollywood movies.

529

00:22:56,240 --> 00:22:59,240

And after they're done crashing through whatever it is we're going to crash them through,

530

00:22:59,240 --> 00:23:02,240

will they continue to run like they do in the movies.

531

00:23:03,240 --> 00:23:05,240

Mr. Hemahar, you're wanting on set.

532

00:23:06,240 --> 00:23:07,240

Grant?

533

00:23:09,240 --> 00:23:12,240

Grant, I did not want to see that.

534

00:23:12,240 --> 00:23:17,240

So just like the movie, the car and caravan is stalled across the highway,

535

00:23:17,240 --> 00:23:20,240

and there's just time for a quick prediction.

536

00:23:20,240 --> 00:23:22,240

What I think is in reality,

537

00:23:22,240 --> 00:23:26,740

we're gonna see that car run into the frame of the RV.

538

00:23:26,740 --> 00:23:29,700

And that trailer just could go boom.

539

00:23:29,700 --> 00:23:32,660

It's not gonna punch through like you see in the movie.

540

00:23:32,660 --> 00:23:35,860

Don't want any unnecessary explosions.

541

00:23:35,860 --> 00:23:37,780

It's just gonna hit it and push it

542

00:23:37,780 --> 00:23:40,860

and there'll be a lot of destruction.

543

00:23:40,860 --> 00:23:42,100

Well, everything's good to go.

544

00:23:42,100 --> 00:23:44,060

You guys ready to see what happens in real life?

545

00:23:44,060 --> 00:23:44,900

Yeah.

546

00:23:44,900 --> 00:23:46,180

How do you feel about us using your trailer?

547

00:23:46,180 --> 00:23:47,340

You're not gonna hurt it, are you?

548

00:23:47,340 --> 00:23:48,180

It should be fine.

549

00:23:48,180 --> 00:23:50,140

Yeah, no problem.

550

00:23:50,140 --> 00:23:55,140

This is trailer destruction in three, two, one, hit it.

551

00:23:57,140 --> 00:24:01,140

10, 20, 30, 40.

552

00:24:01,140 --> 00:24:01,980

There it comes.

553

00:24:01,980 --> 00:24:04,980

You hit 60, 70 miles an hour.

554

00:24:04,980 --> 00:24:05,820

Woo!

555

00:24:08,340 --> 00:24:09,180

My trailer!

556

00:24:10,700 --> 00:24:11,540

Yeah!

557

00:24:11,540 --> 00:24:12,380

Ha ha!

558

00:24:12,380 --> 00:24:13,220

Oh!

559

00:24:13,220 --> 00:24:14,700

Oh!

560

00:24:14,700 --> 00:24:17,420

Yeah, there was nothing Hollywood about that.

561

00:24:17,420 --> 00:24:19,500

That was simply a car wreck.

562

00:24:20,220 --> 00:24:22,820

We completely destroyed that trailer.

563

00:24:22,820 --> 00:24:24,180

There was no hole punch.

564

00:24:24,180 --> 00:24:26,260

It was goodbye to the trailer.

565

00:24:27,580 --> 00:24:28,940

It is pretty flat.

566

00:24:28,940 --> 00:24:31,740

That's why we can never have anything nice.

567

00:24:31,740 --> 00:24:34,220

Don't worry, buddy, we'll put it back together.

568

00:24:34,220 --> 00:24:39,060

Grant's days as a pampered TV star have gone up in smoke.

569

00:24:39,060 --> 00:24:41,620

Crashes and fire, this is awesome.

570

00:24:41,620 --> 00:24:43,500

The trailer is trashed

571

00:24:43,500 --> 00:24:45,820

and the conclusions are quick to follow.

572

00:24:45,820 --> 00:24:47,940

That was a very spectacular crash,

573

00:24:47,940 --> 00:24:49,660

but it wasn't like in the movie

574

00:24:49,660 --> 00:24:52,900

where they just punch a clean hole through and keep going.

575

00:24:52,900 --> 00:24:55,820

And the car, it's not drivable

576

00:24:55,820 --> 00:24:58,020

and they're definitely not continuing their chase.

577

00:24:58,020 --> 00:24:58,860

Woo!

578

00:24:58,860 --> 00:24:59,700

Woo!

579

00:25:01,540 --> 00:25:02,500

That was awesome.

580

00:25:02,500 --> 00:25:03,580

The car hit the chassis

581

00:25:03,580 --> 00:25:05,940

and the trailer pretty much disappeared.

582

00:25:08,220 --> 00:25:10,300

But this myth is busted on both accounts.

583

00:25:10,300 --> 00:25:12,900

Not only did it not look like the Hollywood stunt,

584

00:25:15,260 --> 00:25:18,140

but the car was not drivable after the crash.

585

00:25:18,140 --> 00:25:19,940

So busted on both accounts.

586

00:25:23,460 --> 00:25:25,060

What the f\*\*\* was that?

587

00:25:27,540 --> 00:25:29,500

Oh, you're bananas, me mama.

588

00:25:29,500 --> 00:25:30,740

Sorry, it took me so long.

589

00:25:32,940 --> 00:25:33,780

Coming right up.

590

00:25:33,780 --> 00:25:34,620

Woo!

591

00:25:34,620 --> 00:25:36,020

Woo, that's so cool!

592

00:25:36,020 --> 00:25:38,180

Adam sticks the boot in.

593

00:25:38,180 --> 00:25:40,860

Then there's some lockpick lunacy.

594

00:25:40,860 --> 00:25:42,380

All right, Grant, close away.

595

00:25:42,780 --> 00:25:46,300

Please do not try what we do on the show at home.

596

00:25:46,300 --> 00:25:48,020

We're what you call experts.

597

00:25:48,020 --> 00:25:49,340

Stay safe.

598

00:25:49,340 --> 00:25:52,180

Back at the pool, Jamie and Adam are testing ways

599

00:25:52,180 --> 00:25:55,340

to escape a car that has plunged into depths.

600

00:25:55,340 --> 00:25:57,780

They've already discovered that if you wait for the cabin

601

00:25:57,780 --> 00:26:01,300

to fill with water so the differential pressure equalizes

602

00:26:01,300 --> 00:26:05,380

and releases its grip on the doors, it could be too late.

603

00:26:05,380 --> 00:26:08,460

Now they're going to try out a modified

604

00:26:08,500 --> 00:26:09,700

survival technique.

605

00:26:09,700 --> 00:26:11,540

Oh, here we are, day two.

606

00:26:12,540 --> 00:26:15,780

The first maneuver on their cheating death checklist

607

00:26:15,780 --> 00:26:19,740

is to try and open the door before the car starts to sink.

608

00:26:19,740 --> 00:26:22,380

I figure for this particular technique to work,

609

00:26:22,380 --> 00:26:25,380

you need to do it right the minute you hit the water.

610

00:26:25,380 --> 00:26:28,460

If you hesitate, it's all over and you've got to ride it out.

611

00:26:28,460 --> 00:26:29,460

Here we go!

612

00:26:31,460 --> 00:26:35,260

Adam's plan of action is, I'm just going to try and get out

613

00:26:35,260 --> 00:26:36,260

of the car.

614

00:26:36,260 --> 00:26:39,860

Adam's plan of action is, I'm just going to wait until the water

615

00:26:39,860 --> 00:26:44,060

gets up to my ankles and then I'm going to try and open the door.

616

00:26:44,060 --> 00:26:46,060

Here we go.

617

00:26:46,060 --> 00:26:49,980

Oh man, that sound is so long.

618

00:26:49,980 --> 00:26:51,980

The water rushes in.

619

00:26:51,980 --> 00:26:56,580

Okay, I'm starting to see it on the floor and it's coming up

620

00:26:56,580 --> 00:26:57,580

to my ankles.

621

00:26:57,580 --> 00:26:59,980

Now I'm going to try and open the door.

622

00:26:59,980 --> 00:27:01,980

And Adam rushes out.

623

00:27:02,700 --> 00:27:05,700

Here we go!

624

00:27:05,700 --> 00:27:10,980

Surface exit via the door, totally viable.

625

00:27:10,980 --> 00:27:14,380

I waited until the water was up to the top of my shoes and I was

626

00:27:14,380 --> 00:27:16,780

still able to push this door open.

627

00:27:16,780 --> 00:27:19,500

The water rises slowly upwards.

628

00:27:19,500 --> 00:27:22,300

Next, he's going to wait until it gets to his waist.

629

00:27:22,300 --> 00:27:25,500

Okay, I passed my shoes, halfway up my shins.

630

00:27:25,500 --> 00:27:28,900

Alright, now I'm looking at, my God, it set my knees.

631

00:27:28,900 --> 00:27:30,900

I'm not going to be able to open the door.

632

00:27:31,820 --> 00:27:33,820

This one's no push over.

633

00:27:33,820 --> 00:27:36,820

As the water level climbs, so does the amount of pressure.

634

00:27:36,820 --> 00:27:41,820

And Adam has to brace himself against the opposite door to force it open.

635

00:27:45,820 --> 00:27:47,820

Ah!

636

00:27:47,820 --> 00:27:49,820

I was able to do it.

637

00:27:49,820 --> 00:27:51,820

But only just.

638

00:27:51,820 --> 00:27:53,820

This time he's going even higher.

639

00:27:53,820 --> 00:27:57,820

I'm going to wait until I see water hit the top of this window.

640

00:27:58,740 --> 00:28:02,740

And I'm going to use all my strength against the opposite door to try and push it open.

641

00:28:04,740 --> 00:28:06,740

Dude, I'm going to have dreams about this tonight.

642

00:28:06,740 --> 00:28:09,740

Alright, water's getting to the top of the window here.

643

00:28:09,740 --> 00:28:11,740

Alright, here we go.

644

00:28:11,740 --> 00:28:14,740

It's almost at the top, almost there.

645

00:28:14,740 --> 00:28:16,740

Three, two, one, go!

646

00:28:16,740 --> 00:28:21,740

The differential pressure on the other side of the door has become too strong and holds it shut.

647

00:28:23,740 --> 00:28:27,740

Adam gainly pushes back, but he's like a krill fighting a whale.

648

00:28:28,740 --> 00:28:32,740

It's not long before it's RIP for our little prestation.

649

00:28:37,740 --> 00:28:39,740

I think we found the cutoff point.

650

00:28:40,740 --> 00:28:45,740

Actually, the car, near the door after it hits the water, is a viable option.

651

00:28:45,740 --> 00:28:47,740

But you have a very small window.

652

00:28:47,740 --> 00:28:51,740

By the time you can see water halfway up the window, it's pretty much too late.

653

00:28:52,660 --> 00:28:57,660

Next, the team serves up a viewer mini-myth.

654

00:29:02,660 --> 00:29:05,660

So this one's being talked about by thousands of fans.

655

00:29:05,660 --> 00:29:09,660

There are mythical ways to open your car door locks when you don't have your keys.

656

00:29:09,660 --> 00:29:14,660

All you do is you take a tennis ball, you cut a hole in it, stick the hole over the car lock,

657

00:29:14,660 --> 00:29:16,660

and press it as hard as you can.

658

00:29:16,660 --> 00:29:19,660

And somehow, the air pressure will unlock your car door.

659

00:29:19,660 --> 00:29:23,580

This sounds just crazy, so why don't we just go ahead and try them?

660

00:29:50,580 --> 00:29:52,580

Okay, what do you got?

661

00:29:52,580 --> 00:29:55,580

Alright, so I looked at the video and she had cut a hole about this size.

662

00:29:55,580 --> 00:29:59,580

And what they're saying is the air pressure is opening up the car door lock.

663

00:29:59,580 --> 00:30:01,580

The pressure from the ball.

664

00:30:01,580 --> 00:30:04,580

Yeah, from the air pressure from inside the ball.

665

00:30:04,580 --> 00:30:10,580

So what I'm thinking is, if it's about air pressure, I cut another smaller hole in this tennis ball.

666

00:30:10,580 --> 00:30:14,580

And hopefully that will give us a stronger stream of air.

667

00:30:14,580 --> 00:30:16,580

That's all they need.

668

00:30:16,580 --> 00:30:18,580

Two tennis balls, two different air pressures.

669

00:30:18,580 --> 00:30:20,580

And of course, the lock.

670

00:30:20,580 --> 00:30:25,580

Okay, so just like in the video, electronic door lock.

671

00:30:25,580 --> 00:30:27,580

Go for it.

672

00:30:27,580 --> 00:30:29,580

Okay, so we'll do the big hole first.

673

00:30:29,580 --> 00:30:33,580

And she said, all you need to do is push it as hard as you can.

674

00:30:35,580 --> 00:30:38,580

Wow, it's not working.

675

00:30:38,580 --> 00:30:42,580

It looked like I'm doing it the same way.

676

00:30:42,580 --> 00:30:45,580

It's love one for the tennis ball.

677

00:30:45,580 --> 00:30:50,580

But perhaps the ball with the smaller hole and greater air pressure will pop the lock.

678

00:30:50,580 --> 00:30:52,580

You want to try the smaller hole?

679

00:30:52,580 --> 00:30:54,580

Yeah, go for it.

680

00:30:54,580 --> 00:30:56,580

Not exactly open sesame.

681

00:30:56,580 --> 00:30:59,580

That's game set and match for the car.

682

00:30:59,580 --> 00:31:03,580

But the team aren't ready to stop play just yet.

683

00:31:03,580 --> 00:31:09,580

So let's take apart what exactly you think people would think this works by.

684

00:31:09,580 --> 00:31:11,580

I think it's all about air pressure.

685

00:31:11,580 --> 00:31:16,580

All right, why don't we get the shop air and just shove it into the lock and blow.

686

00:31:16,580 --> 00:31:21,580

Make a complete seal around the key lock so see if air pressure can at all open the lock.

687

00:31:21,580 --> 00:31:23,580

Sounds like a plan.

688

00:31:23,580 --> 00:31:27,580

After all, if it's worth doing, it's worth overdoing.

689

00:31:27,580 --> 00:31:31,580

With a perfect seal, they'll pump in 100 psi of shop air.

690

00:31:31,580 --> 00:31:34,580

And if anything is going to jimmy the lock, it's this.

691

00:31:34,580 --> 00:31:36,580

All right, Grant.

692

00:31:36,580 --> 00:31:37,580

Okay.

693

00:31:37,580 --> 00:31:38,580

Blows away.

694

00:31:38,580 --> 00:31:42,580

The ideal case for opening the lock with air pressure.

695

00:31:42,580 --> 00:31:46,580

Got compressed air and a really good seal.

696

00:31:46,580 --> 00:31:47,580

Ready?

697

00:31:49,580 --> 00:31:56,580

Despite pumping in more than 10 times the air pressure of the tennis ball, the car stays secure.

698

00:31:56,580 --> 00:31:58,580

Well, I think that was pretty definitive.

699

00:31:58,580 --> 00:32:02,580

Sorry, viewers, but the tennis ball opening the car lock is busted.

700

00:32:02,580 --> 00:32:07,580

And even ideal seal air pressure won't open the car lock.

701

00:32:07,580 --> 00:32:11,580

I think we should show the viewers how we think they did it in the video.

702

00:32:11,580 --> 00:32:16,580

Carrie puts the tennis ball to the lock and, hey presto, the door unlocks.

703

00:32:16,580 --> 00:32:19,580

But it's not the tennis ball.

704

00:32:19,580 --> 00:32:23,580

It's actually Tori behind the camera with the key.

705

00:32:23,580 --> 00:32:28,580

Just goes to show, and this is important, you can't believe everything you see on the Internet.

706

00:32:33,580 --> 00:32:39,580

Coming up, we test every survival technique for escaping from a car that you've driven off the bridge.

707

00:32:46,580 --> 00:32:53,580

If you land your car into a lake, you can't get out alive unless you open a door at precisely the right moment.

708

00:32:53,580 --> 00:32:56,580

So is there another window of opportunity?

709

00:32:57,580 --> 00:33:02,580

So we know it's pretty much impossible to open the door once the car is submerged in underwater.

710

00:33:02,580 --> 00:33:06,580

The question everyone asks after that is, well, why didn't you open the window?

711

00:33:06,580 --> 00:33:09,580

That's what I'm going to do, a shop test to find out.

712

00:33:09,580 --> 00:33:13,580

I have one electrically powered window and I have one manual powered window.

713

00:33:13,580 --> 00:33:17,580

I'm going to put them under the same kind of strain that they'd experience underwater and try and open them.

714

00:33:17,580 --> 00:33:25,580

The 350 pounds Adam is adding is equivalent to the pressure the window would be under at a depth of just two feet.

715

00:33:26,580 --> 00:33:34,580

I do not know of a more visual way to make clear how much pressure you're dealing with when you put things underwater.

716

00:33:34,580 --> 00:33:37,580

Then he tries to crank it open.

717

00:33:37,580 --> 00:33:42,580

I should point out, I'm in a really good position for leverage to open this window.

718

00:33:42,580 --> 00:33:44,580

There's not even a sliver of a crack.

719

00:33:44,580 --> 00:33:45,580

There it goes.

720

00:33:46,580 --> 00:33:47,580

It just failed.

721

00:33:49,580 --> 00:33:51,580

Yeah, the gear just slipped.

722

00:33:51,580 --> 00:33:58,580

Under that kind of pressure, there's so much force pushing the glass against the frame of the car that the manual lever is going to break.

723

00:33:58,580 --> 00:34:04,580

Maybe electric windows have more power, but the common perception is they don't even work underwater.

724

00:34:04,580 --> 00:34:13,580

This is the electric door and the first thing I want to do is dump the electric door in this container with the battery and see how long the electrics hold out for.

725

00:34:13,580 --> 00:34:14,580

Okay, here we go.

726

00:34:15,580 --> 00:34:17,580

Batteries on the bottom.

727

00:34:17,580 --> 00:34:19,580

They let it steep.

728

00:34:22,580 --> 00:34:27,580

After 45 minutes, surprisingly, it's still going strong.

729

00:34:29,580 --> 00:34:37,580

You shouldn't be counting on the electric still, I open up the electric window, but it certainly doesn't short out immediately like I thought it would.

730

00:34:37,580 --> 00:34:42,580

So it's not out of the question that power windows could still work underwater.

731

00:34:42,580 --> 00:34:45,580

But what about the effect of differential pressure?

732

00:34:46,580 --> 00:34:47,580

You ready?

733

00:34:47,580 --> 00:34:48,580

Uh-huh.

734

00:34:49,580 --> 00:34:56,580

The force of 350 pounds pressing down on the glass is a real burden.

735

00:34:56,580 --> 00:34:57,580

Now it's not budging.

736

00:34:57,580 --> 00:34:58,580

You can see it flux.

737

00:34:58,580 --> 00:35:01,580

Yeah, you can see it trying, but it ain't going nowhere.

738

00:35:01,580 --> 00:35:06,580

So with electric or manual windows, neither would you.

739

00:35:06,580 --> 00:35:11,580

Automatic windows, you are just as screwed as you are with manual windows.

740

00:35:11,580 --> 00:35:15,580

350 pounds of pressure, that's only two feet underwater.

741

00:35:15,580 --> 00:35:18,580

It's like the bare minimum you'd be encountering.

742

00:35:18,580 --> 00:35:24,580

As long as there's still air in the cabin of the car, you would not be able to open this window.

743

00:35:24,580 --> 00:35:28,580

But Adam isn't prepared to expire a third time.

744

00:35:28,580 --> 00:35:34,580

Now that we know you can't open that window because of the pressure, the question remains as to how to open that window.

745

00:35:34,580 --> 00:35:36,580

And I'd say you break it.

746

00:35:36,580 --> 00:35:38,580

The question is how?

747

00:35:38,580 --> 00:35:46,580

Their plan is to try to break the glass using various items you'd likely have within your reach inside a submerged vehicle.

748

00:35:46,580 --> 00:35:48,580

For starters, keys.

749

00:35:49,580 --> 00:35:50,580

Alright, you ready?

750

00:35:50,580 --> 00:35:51,580

Go for it.

751

00:35:53,580 --> 00:35:56,580

Adam smacks the glass, but it doesn't crack.

752

00:36:00,580 --> 00:36:02,580

I'm actually able to get a good solid hit on that.

753

00:36:02,580 --> 00:36:04,580

Nothing. I'd say keys are busted.

754

00:36:04,580 --> 00:36:07,580

Next on call, a cell phone.

755

00:36:07,580 --> 00:36:10,580

You're just bounding for your life.

756

00:36:14,580 --> 00:36:15,580

You're screwed.

757

00:36:17,580 --> 00:36:20,580

Then Adam suits up for another attempt.

758

00:36:20,580 --> 00:36:28,580

So Adam, this is like you've just stolen a car and you got a little carried away and escaping the cops and now you're underwater so you're in trouble.

759

00:36:28,580 --> 00:36:30,580

Is that my motivation?

760

00:36:30,580 --> 00:36:31,580

Yeah.

761

00:36:32,580 --> 00:36:36,580

So busting an escape hole might be possible with steel-toed boots.

762

00:36:37,580 --> 00:36:39,580

Woo! Woo! That's so cool!

763

00:36:39,580 --> 00:36:42,580

Okay, I'm gonna get to kicking this window out right away.

764

00:36:47,580 --> 00:36:49,580

But the window doesn't crumble.

765

00:36:49,580 --> 00:36:54,580

If he had just carried out his community service sentence, he would have lived.

766

00:36:55,580 --> 00:36:56,580

Nothing.

767

00:36:56,580 --> 00:36:57,580

Nothing?

768

00:36:57,580 --> 00:36:58,580

Nope.

769

00:36:58,580 --> 00:37:04,580

None of the items that would be laying around randomly in your car worked for us to break a window.

770

00:37:04,580 --> 00:37:08,580

So we get to try the commercially available ones.

771

00:37:08,580 --> 00:37:13,580

This is a hammer thing with a point on it and this is a spring-loaded punch.

772

00:37:13,580 --> 00:37:17,580

They try the underwater emergency hammer first.

773

00:37:19,580 --> 00:37:20,580

Oh!

774

00:37:20,580 --> 00:37:21,580

What a difference.

775

00:37:21,580 --> 00:37:22,580

Wow!

776

00:37:22,580 --> 00:37:23,580

One hit.

777

00:37:24,580 --> 00:37:26,580

That was instantaneous.

778

00:37:26,580 --> 00:37:28,580

Probably darn well.

779

00:37:28,580 --> 00:37:29,580

That works.

780

00:37:29,580 --> 00:37:33,580

Amazing. A product that does exactly what it says on the box.

781

00:37:33,580 --> 00:37:40,580

Next up is a store-bought center punch device, a tool that's normally used to dent a surface prior to drilling.

782

00:37:40,580 --> 00:37:44,580

Put it up against the glass and push and it does that.

783

00:37:44,580 --> 00:37:45,580

Yeah.

784

00:37:45,580 --> 00:37:47,580

And luckily I have one more car door.

785

00:37:47,580 --> 00:37:50,580

A new door is submerged and they're ready for the count.

786

00:37:52,580 --> 00:37:54,580

Three, two, one.

787

00:37:57,580 --> 00:37:59,580

Wow, my hand just went right through.

788

00:38:00,580 --> 00:38:05,580

The reason the store-bought products work is because car windows are made of tempered glass.

789

00:38:05,580 --> 00:38:10,580

This means they've been heat-treated so that their surfaces are under compression,

790

00:38:10,580 --> 00:38:13,580

fractured and this tension shatters.

791

00:38:14,580 --> 00:38:15,580

That's lovely.

792

00:38:15,580 --> 00:38:20,580

The products meant to do get you out of that car did exactly that perfectly on the first try each.

793

00:38:20,580 --> 00:38:23,580

It doesn't take much but it has to be the right thing.

794

00:38:23,580 --> 00:38:24,580

Yeah, exactly.

795

00:38:25,580 --> 00:38:29,580

The guys are completely sold on the commercially designed escape products.

796

00:38:29,580 --> 00:38:34,580

Well, I've got a center punch in my toolkit and I think one's going to find its way into my glove compartment.

797

00:38:36,580 --> 00:38:38,580

On the other side of the break...

798

00:38:41,580 --> 00:38:44,580

Instant convertible and distant drown.

799

00:38:46,580 --> 00:38:47,580

Damn, that was crazy.

800

00:38:55,580 --> 00:39:00,580

Carrie Grant and Tori have already tested three crash cliches.

801

00:39:03,580 --> 00:39:08,580

The fourth and final test involves an unwanted car improvement.

802

00:39:08,580 --> 00:39:11,580

The classic instant convertible.

803

00:39:11,580 --> 00:39:14,580

I've seen this crash a million times on TV shows and cruise.

804

00:39:14,580 --> 00:39:18,580

Car chase is happening, semi-truck comes across the intersection at just the wrong time,

805

00:39:18,580 --> 00:39:21,580

car's about to crean into it but everybody ducks.

806

00:39:21,580 --> 00:39:24,580

They get back up after the car's gone out the other side and now they're in a convertible.

807

00:39:24,580 --> 00:39:30,580

In the real world, my feeling is you're going to hit that trailer, it's going to smash the windshield,

808

00:39:30,580 --> 00:39:34,580

it's going to rip the top off and pretty much kill whoever's driving it.

809

00:39:34,580 --> 00:39:35,580

Perfect.

810

00:39:35,580 --> 00:39:39,580

So once again, what we're looking for is does it look like it does in the movies?

811

00:39:39,580 --> 00:39:40,580

Drops up.

812

00:39:40,580 --> 00:39:45,580

A clean slice all the way across and second is the car drivable.

813

00:39:45,580 --> 00:39:47,580

Could they continue the chase?

814

00:39:47,580 --> 00:39:48,580

A little more.

815

00:39:48,580 --> 00:39:52,580

If neither of those things is working, then it's Buster.

816

00:39:52,580 --> 00:39:53,580

Park it.

817

00:39:55,580 --> 00:39:57,580

And with everyone, get in it.

818

00:39:57,580 --> 00:40:05,580

Including an unfortunate Buster in position, the final filmic fender bender can get underway.

819

00:40:05,580 --> 00:40:15,580

10, 20, 30, 50 miles an hour, 60 and 70.

820

00:40:18,580 --> 00:40:19,580

Oh!

821

00:40:19,580 --> 00:40:20,580

Oh!

822

00:40:20,580 --> 00:40:21,580

Oh!

823

00:40:21,580 --> 00:40:22,580

Oh!

824

00:40:22,580 --> 00:40:23,580

Oh!

825

00:40:23,580 --> 00:40:24,580

Oh!

826

00:40:24,580 --> 00:40:27,580

What's on the other side of that berm?

827

00:40:27,580 --> 00:40:28,580

Uh-oh.

828

00:40:28,580 --> 00:40:29,580

Uh-oh indeed.

829

00:40:29,580 --> 00:40:36,580

The remote braking system fitted for each test seems to have failed.

830

00:40:36,580 --> 00:40:37,580

Oh!

831

00:40:37,580 --> 00:40:38,580

Oh!

832

00:40:38,580 --> 00:40:39,580

Oh!

833

00:40:39,580 --> 00:40:40,580

Oh my God.

834

00:40:40,580 --> 00:40:41,580

Oh my God.

835

00:40:41,580 --> 00:40:42,580

Dang, that was crazy.

836

00:40:42,580 --> 00:40:43,580

Look at the roof.

837

00:40:43,580 --> 00:40:44,580

The roof's up.

838

00:40:44,580 --> 00:40:45,580

Oh my God.

839

00:40:45,580 --> 00:40:46,580

Dang, that was crazy.

840

00:40:46,580 --> 00:40:47,580

Look at the roof.

841

00:40:47,580 --> 00:40:49,580

The roof's underneath the truck.

842

00:40:49,580 --> 00:40:50,580

I know.

843

00:40:50,580 --> 00:40:51,580

It turned into a convertible.

844

00:40:51,580 --> 00:40:55,580

I can't believe it jumped the berm.

845

00:40:55,580 --> 00:41:01,580

And if we slow down the shot, you can see the car launch up the dirt bank and into the

846

00:41:01,580 --> 00:41:04,580

wild blue yonder.

847

00:41:04,580 --> 00:41:08,580

But luckily there was no one to hurt and nothing to damage back there.

848

00:41:08,580 --> 00:41:09,580

Oh my God.

849

00:41:09,580 --> 00:41:11,580

Oh, that is a convertible.

850

00:41:11,580 --> 00:41:12,580

It worked.

851

00:41:12,580 --> 00:41:15,580

And with the relief comes the results.

852

00:41:15,580 --> 00:41:16,580

Oh my God.

853

00:41:16,580 --> 00:41:18,580

Dude, it ripped the roof right off.

854

00:41:18,580 --> 00:41:20,580

I gotta say, that's pretty good.

855

00:41:20,580 --> 00:41:25,580

It looked like it kept driving and it turned into an insinconvertible and he looks like

856

00:41:25,580 --> 00:41:27,580

he's alright down in there.

857

00:41:27,580 --> 00:41:33,580

Now, what you see here is the result of the braking system not quite fully deploying.

858

00:41:33,580 --> 00:41:39,580

So, there's a little hill at the end of our track and apparently the car went vertical

859

00:41:39,580 --> 00:41:41,580

and jumped over the hill.

860

00:41:41,580 --> 00:41:46,580

So, it's difficult for us to determine exactly the nature of the damage of going underneath

861

00:41:46,580 --> 00:41:55,580

the trailer versus getting the berm, but safe to say that this one is at least plausible.

862

00:41:55,580 --> 00:41:58,580

Any doubt is dispelled with a look at the footage.

863

00:41:58,580 --> 00:42:04,580

They did indeed have an instant convertible and for an instant, it appeared to be drivable,

864

00:42:04,580 --> 00:42:08,580

at least judging by the speed it was going.

865

00:42:08,580 --> 00:42:09,580

Plausible.

866

00:42:09,580 --> 00:42:10,580

Plausible.

867

00:42:10,580 --> 00:42:13,580

Now, how the hell are we going to get this car out of here?

868

00:42:13,580 --> 00:42:15,580

Just throw it back over the fence.

869

00:42:17,580 --> 00:42:19,580

Okay, we have four Hollywood myths.

870

00:42:19,580 --> 00:42:21,580

Instant convertible, fruit stand, trailer and fence.

871

00:42:21,580 --> 00:42:22,580

How did we fare?

872

00:42:22,580 --> 00:42:24,580

Well, two of them were busted.

873

00:42:24,580 --> 00:42:25,580

Can you believe it?

874

00:42:25,580 --> 00:42:27,580

Two of them were plausible?

875

00:42:27,580 --> 00:42:29,580

We never get plausible Hollywood myths.

876

00:42:29,580 --> 00:42:30,580

What a fun.

877

00:42:30,580 --> 00:42:32,580

Sometimes Hollywood tells the truth.

878

00:42:32,580 --> 00:42:34,580

I love these Hollywood myths.

879

00:42:35,580 --> 00:42:41,580

If you drive into a body of water, you don't get more than one chance to escape.

880

00:42:41,580 --> 00:42:44,580

So, is there a best-hope scenario?

881

00:42:44,580 --> 00:42:47,580

Jamie and Adam are trying to find out.

882

00:42:47,580 --> 00:42:50,580

Something tells me we're not quite done yet, are we?

883

00:42:50,580 --> 00:42:51,580

No.

884

00:42:51,580 --> 00:42:54,580

Now, we have a whole roster of survival techniques that we've heard about,

885

00:42:54,580 --> 00:42:56,580

forgetting out of a car once it's sinking in the water,

886

00:42:56,580 --> 00:42:59,580

and I think we owe it to the fence to try them all out.

887

00:42:59,580 --> 00:43:00,580

So, we're going back to the pool?

888

00:43:00,580 --> 00:43:01,580

We are.

889

00:43:01,580 --> 00:43:02,580

Okay.

890

00:43:02,580 --> 00:43:03,580

I'll get my wetsuit.

891

00:43:03,580 --> 00:43:04,580

Excellent.

892

00:43:04,580 --> 00:43:07,580

They've done their homework at M5,

893

00:43:07,580 --> 00:43:13,580

but it's way more exciting diving back into real-life situations.

894

00:43:14,580 --> 00:43:19,580

The next survival technique we're going to try is breaking the window.

895

00:43:19,580 --> 00:43:22,580

Unfortunately, we can't break the window because it's cool

896

00:43:22,580 --> 00:43:25,580

and people would get glass in their feet or something.

897

00:43:25,580 --> 00:43:31,580

So, what we've done is rig the window with a lubricant and with high voltage

898

00:43:31,580 --> 00:43:34,580

so that we can really positively pull it down.

899

00:43:34,580 --> 00:43:38,580

The high voltage triggers should be enough to counter the differential pressure.

900

00:43:40,580 --> 00:43:41,580

All right.

901

00:43:41,580 --> 00:43:42,580

There we go.

902

00:43:42,580 --> 00:43:44,580

That sound again.

903

00:43:44,580 --> 00:43:45,580

Here we go.

904

00:43:45,580 --> 00:43:47,580

Rushing in past my feet.

905

00:43:47,580 --> 00:43:49,580

Wow, we are dropping really fast.

906

00:43:49,580 --> 00:43:52,580

All right, I'm sinking really fast now.

907

00:43:52,580 --> 00:43:57,580

I'm about to hit the switch in three, two, one.

908

00:43:58,580 --> 00:44:02,580

And it's the switch and water enters the cabin like a flood.

909

00:44:04,580 --> 00:44:07,580

But he rides out the torrent and escapes.

910

00:44:09,580 --> 00:44:14,580

I lived the water rush in just as I thought it would, and it was quite intense.

911

00:44:14,580 --> 00:44:16,580

But I held my breath.

912

00:44:16,580 --> 00:44:20,580

I only had to hold it for a few seconds because pretty much very quickly,

913

00:44:20,580 --> 00:44:25,580

the cab filled up, I was able to just go out the window and come to the surface.

914

00:44:25,580 --> 00:44:28,580

By smashing the window, Adam survived.

915

00:44:28,580 --> 00:44:31,580

So in case of emergency, break glass.

916

00:44:31,580 --> 00:44:37,580

As the silent observer of Adam's numerous dunkings, Jamie has had time to meditate,

917

00:44:37,580 --> 00:44:38,580

and he's had a vision.

918

00:44:38,580 --> 00:44:40,580

He calls his revelation.

919

00:44:40,580 --> 00:44:42,580

Simply patience.

920

00:44:42,580 --> 00:44:47,580

The idea being that if you sit there, you relax, you conserve your energy,

921

00:44:47,580 --> 00:44:52,580

and therefore your air, you'll be able to apply your energy when you need it.

922

00:44:52,580 --> 00:44:55,580

Right at the last minute when the car is equalized,

923

00:44:55,580 --> 00:44:57,580

and there's not going to be any problem getting out of it.

924

00:44:57,580 --> 00:45:01,580

Instead of sitting there fighting the whole way, and then you drown.

925

00:45:01,580 --> 00:45:03,580

Let the car fill up.

926

00:45:03,580 --> 00:45:04,580

Let it settle on the bottom.

927

00:45:04,580 --> 00:45:08,580

Then casually open the door and swim to the surface.

928

00:45:08,580 --> 00:45:12,580

It's the maximum conservation of energy technique.

929

00:45:12,580 --> 00:45:14,580

It's very Jamie.

930

00:45:15,580 --> 00:45:19,580

Going through this before.

931

00:45:19,580 --> 00:45:22,580

Totally relaxed.

932

00:45:22,580 --> 00:45:26,580

Adam centers himself inside the cabin.

933

00:45:29,580 --> 00:45:35,580

As the water level rises, he goes with the flow and serenely lets the car fill with water.

934

00:45:36,580 --> 00:45:42,580

He's under just as long as he was in the first test,

935

00:45:42,580 --> 00:45:46,580

but now he's not using up oxygen trying to yank open the door.

936

00:45:46,580 --> 00:45:50,580

The emergency air tank remains untouched.

937

00:45:50,580 --> 00:45:54,580

Now that's calm under differential pressure.

938

00:45:58,580 --> 00:46:02,580

When the cabin equalizes, he gently pushes open the door.

939

00:46:05,580 --> 00:46:08,580

The car is ready to go.

940

00:46:13,580 --> 00:46:15,580

That's arrived!

941

00:46:15,580 --> 00:46:18,580

Woo! The lip-busters technique worked!

942

00:46:18,580 --> 00:46:20,580

Woo!

943

00:46:20,580 --> 00:46:23,580

How many minutes was I down?

944

00:46:23,580 --> 00:46:25,580

One minute thirty seven.

945

00:46:25,580 --> 00:46:26,580

One minute thirty seven.

946

00:46:26,580 --> 00:46:29,580

I could have been down for another fifteen or twenty seconds.

947

00:46:29,580 --> 00:46:31,580

That was beautiful.

948

00:46:31,580 --> 00:46:33,580

It was so...it was very cool.

949

00:46:33,580 --> 00:46:38,580

The longest period of time to actually for the car to level out.

950

00:46:38,580 --> 00:46:43,580

Once it did though, I still felt like I had plenty of breath.

951

00:46:43,580 --> 00:46:46,580

I just cracked the door, gave thumbs up to the camera,

952

00:46:46,580 --> 00:46:48,580

and sunk it up to the surface.

953

00:46:48,580 --> 00:46:52,580

Jamie has a final watery rumination.

954

00:46:52,580 --> 00:46:56,580

Of course, in the real world, this technique's a little more problematic.

955

00:46:56,580 --> 00:47:01,580

Everything's happening so fast, you don't know what the depth of the water that you're in is.

956

00:47:01,580 --> 00:47:06,580

The best is to open that window before you get water up to it, and then your goal.

957

00:47:06,580 --> 00:47:09,580

In the words of a Zen master,

958

00:47:09,580 --> 00:47:12,580

in the beginner's mind there are many possibilities,

959

00:47:12,580 --> 00:47:15,580

but in the expert's mind, there are few.

960

00:47:15,580 --> 00:47:20,580

Looks like the guys have narrowed down this myth just so.

961

00:47:20,580 --> 00:47:23,580

Well, how are we going to wrap this one up?

962

00:47:23,580 --> 00:47:25,580

Well, the original myth we started with,

963

00:47:25,580 --> 00:47:29,580

that you can't open the car door until the cabin's full of water,

964

00:47:29,580 --> 00:47:31,580

is absolutely confirmed.

965

00:47:31,580 --> 00:47:36,580

And we've actually looked at four really viable survival techniques.

966

00:47:36,580 --> 00:47:41,580

Of course, the best one is, just don't drive into the water in the first place.

967

00:47:41,580 --> 00:47:42,580

I'll try and remember that.

968

00:47:42,580 --> 00:47:44,580

My personal favorite is your Zen technique.

969

00:47:44,580 --> 00:47:46,580

It worked. It worked like a charm.

970

00:47:46,580 --> 00:47:47,580

That was awesome.

971

00:47:47,580 --> 00:47:49,580

I was just sitting there watching you go,

972

00:47:49,580 --> 00:47:53,580

you're looking at your watch, you're kind of chilling out.

973

00:47:53,580 --> 00:47:56,580

Totally. Actually, I find it really relaxing to chill out.

974

00:47:56,580 --> 00:47:59,580

I'm going to finish up by doing a little more meditating in the car at the bottom.

975

00:47:59,580 --> 00:48:00,580

Okay.