

1

00:00:00,000 --> 00:00:02,960

On this block busting episode of myth busters

2

00:00:03,600 --> 00:00:05,600

Wanna see something cool?

3

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

It's the Green Hornet special. Yep sit back

4

00:00:09,560 --> 00:00:13,120

Strap in and go green for an all-access

5

00:00:13,720 --> 00:00:19,720

Superhero special. Ta-da. It's science first up an explosive escape in the movie

6

00:00:19,720 --> 00:00:25,540

The explosion was initiated by these eight rockets Adam and Jamie want to know if you were buried in a car grave

7

00:00:25,900 --> 00:00:27,020

Wow

8

00:00:27,020 --> 00:00:33,520

Could you survive an underground big boom? Let's blow it up and would it make a bulldozer fly?

9

00:00:36,460 --> 00:00:42,180

Then Carrie Grant and Tori take us on a wild ride to tackle a two-part tall tail

10

00:00:42,180 --> 00:00:46,500

You wanted the great mother of all elevators could an elevator really cut a car?

11

00:00:48,020 --> 00:00:51,860

And if it did my dust would it even be able to go

12

00:00:55,580 --> 00:00:57,580

Are the myth busters

13

00:00:57,820 --> 00:01:03,820

Adam Sabbath am I missing and I brought and Jamie Heineman stand clear. I'm going hot

14

00:01:04,700 --> 00:01:09,700

Between them more than 30 years of special effects experience joining them

15

00:01:11,540 --> 00:01:13,540

Carrie Byron are you ready?

16

00:01:13,820 --> 00:01:20,660

Tori Bellachy. This is real science and Grant imma hara. I didn't try to do that. They don't just tell the kids

17

00:01:21,060 --> 00:01:23,060

They put them to the test

18

00:01:26,100 --> 00:01:28,100

You

19

00:01:31,100 --> 00:01:37,780

Know what I'd like to do what something big like from a Hollywood blockbuster movie like the Green Hornet

20

00:01:38,300 --> 00:01:42,200

You're dreaming. We're never gonna get access to a movie like that. You're wrong

21

00:01:42,740 --> 00:01:43,980

Am I?

22

00:01:43,980 --> 00:01:49,020

Yes, in fact, I have Seth Rogen right here to prove to you how wrong you are

23

00:01:50,020 --> 00:01:55,780

How did this happen or friends we hang out all the time and by the way you are wrong

24

00:01:56,420 --> 00:02:03,140

Well, then awesome. We get to us. Midsome Green Hornet. Nice. What have you got for us rather than tell you?

25

00:02:03,140 --> 00:02:05,140

I think it's much more awesome if I show you

26

00:02:05,780 --> 00:02:07,780

roll the tape

27

00:02:08,900 --> 00:02:15,980

In the movie after his father is killed Britt Reid decides to become mass crime fighter the Green Hornet

28

00:02:16,980 --> 00:02:21,380

With the help of Kato is tech savvy psychic and the black beauty

29

00:02:22,460 --> 00:02:25,820

Our newly minted superhero takes on the bad guys

30

00:02:26,980 --> 00:02:33,040

And that brings us to the myth in a key scene the daring duo are forced into a car grave

31

00:02:33,220 --> 00:02:35,220

Covered with dirt

32

00:02:35,580 --> 00:02:38,100

And to top it off a bulldozer

33

00:02:38,500 --> 00:02:42,540

However, Kato has a plan hiding behind the armored seating

34

00:02:42,540 --> 00:02:47,860

They're going to detonate all aid of the cars missiles which has two dramatic consequences

35

00:02:48,620 --> 00:02:51,300

First the bulldozer gets blown skyward

36

00:02:52,300 --> 00:02:55,540

And the dynamic duo escape unscathed

37

00:02:56,340 --> 00:03:00,300

The question is are either of those outcomes even possible?

38

00:03:00,700 --> 00:03:03,940

What do you think guys? Where do we start? I'm glad you ask excuse me, Jamie

39

00:03:03,940 --> 00:03:06,540

I think we just go for it. We match the movie

40

00:03:07,020 --> 00:03:12,520

Parameter for parameter we dig a hole we take the black beauty strap some rockets on the front put it in that hole

41

00:03:12,540 --> 00:03:17,620

With a couple of dummies in the back seat. That's you and Kato cover it with dirt part

42

00:03:17,620 --> 00:03:21,060

The bulldozer on the dirt blow the whole thing sky high

43

00:03:21,060 --> 00:03:21,740

That's right

44

00:03:21,740 --> 00:03:27,820

And then we find out if the explosives on the car are actually enough to move this bulldozer and whether or not meaning Kato

45

00:03:27,820 --> 00:03:29,820

Can survive the blast

46

00:03:30,860 --> 00:03:38,180

The gauntlet has been thrown the challenge laid and on location the goal is to simulate the scene from the movie as

47

00:03:38,420 --> 00:03:44,620

Accurately as they can well this looks like a safe place to do some dangerous things. Let's go make some big moves

48

00:03:45,420 --> 00:03:51,260

So it's full steam ahead for the mother of all TNT parties as the guys recreate

49

00:03:51,420 --> 00:03:55,180

Adam's coffee bean model in full scale and here's how

50

00:03:57,180 --> 00:03:59,340

Let's walk through the elements of this test

51

00:04:00,820 --> 00:04:02,780

This is our hole

52

00:04:02,780 --> 00:04:04,940

This is the dirt we're gonna use to fill it with

53

00:04:05,620 --> 00:04:07,860

Hey guys, I thought we were gonna dig a big hole

54

00:04:09,180 --> 00:04:11,660

I'm kidding. This is clearly a very big hole

55

00:04:12,500 --> 00:04:14,260

congratulations and

56

00:04:14,260 --> 00:04:17,340

This little baby right here is the black beauty. Oh

57

00:04:18,220 --> 00:04:19,540

Look at that

58

00:04:19,540 --> 00:04:22,860

This is not the car will be dropping in our hole because this is one of the five

59

00:04:23,100 --> 00:04:26,900

Hero cars from the film and we can't afford to destroy it

60

00:04:29,180 --> 00:04:34,820

We'll be dropping a facsimile in our hole in the movie the explosion was initiated by these eight rockets

61

00:04:34,940 --> 00:04:40,020

Here in the front now each one of them is about four inches thick and about 21 inches long

62

00:04:40,020 --> 00:04:46,780

I figure that leaves us enough room for say a couple pounds of something like TNT in the head of each one

63

00:04:47,380 --> 00:04:49,500

And this is our bulldozer

64

00:04:50,660 --> 00:04:55,300

These are our heroes Kato and the green Hornet. They're gonna be in the black beauty behind the back seat

65

00:04:56,180 --> 00:05:02,940

If the scene in green Hornet actually does comply with the laws of physics two things have to happen when we try it one

66

00:05:03,140 --> 00:05:11,660

That bulldozer has to fly up in the air and off of the spot that it was formerly occupying and to our heroes have to survive that blast

67

00:05:12,220 --> 00:05:18,420

So those are the raw ingredients now to put them together and get cooking a key detail

68

00:05:18,420 --> 00:05:22,380

We haven't shown you from the movie is that Kato had armored the car

69

00:05:22,380 --> 00:05:27,460

He'd beefed up the seats that the heroes hide behind during the blast and if it's in the movie

70

00:05:27,740 --> 00:05:31,500

It's in the test. You think this is kind of armored Kato would have put in the car

71

00:05:31,980 --> 00:05:38,100

The key to any good experiment. I totally agree next with the green Hornet and Kato in place

72

00:05:38,380 --> 00:05:43,860

Adam adds pressure sensors to their chests that'll tell us if the explosion is survivable

73

00:05:43,860 --> 00:05:50,420

My only question is how can this machine tell you anything if it's exploded because the electrical signal travels faster than the explosion

74

00:05:50,420 --> 00:05:53,340

There you go. Who knew it's science

75

00:05:53,540 --> 00:05:57,620

Yep, the sensors are wired up to a remote station

76

00:05:57,620 --> 00:06:03,660

So that after the blast the team will have hard data on the kind of forces our dummies were exposed to

77

00:06:03,780 --> 00:06:07,580

Let's get friendly Kato. I've always dreamed of taping us together

78

00:06:12,860 --> 00:06:17,260

Nice let's blow it up. All right, let's do it

79

00:06:18,020 --> 00:06:23,380

That's the cue the bomb crew. Okay, let's give this thing a tune up

80

00:06:24,380 --> 00:06:25,380

Hey

81

00:06:25,380 --> 00:06:31,820

Black Beauty has 16 pounds of high explosives loaded into the front of it said you want to play blow up crap jump rope

82

00:06:32,340 --> 00:06:33,860

I'm good

83

00:06:33,860 --> 00:06:35,860

Now to put that into context

84

00:06:35,860 --> 00:06:42,300

That's the equivalent of the amount of explosives in 10 grenades. So when that goes off, it's big trouble

85

00:06:42,940 --> 00:06:47,140

What is stopping us from putting this car in this hole? Absolutely nothing at all. Let's do it

86

00:06:47,260 --> 00:06:48,940

Jamie, let's do it

87

00:06:48,940 --> 00:06:53,820

That's the next step maneuvering the stand-in black beauty up and into the hole

88

00:06:53,980 --> 00:06:59,140

Which like everything else in the test exactly matches the dimensions of the one in the movie

89

00:06:59,140 --> 00:07:01,540

It's impressive that Jamie Douglas with his hands

90

00:07:01,540 --> 00:07:07,020

But even though the setup is the same Adam doesn't think the result will be a prediction

91

00:07:07,100 --> 00:07:10,420

Yeah, I've got a prediction on this one actually don't get me wrong

92

00:07:10,420 --> 00:07:15,540

I love being surprised by the fact that sometimes movie physics actually comply with the laws of real physics

93

00:07:15,820 --> 00:07:17,820

Let's fill the hole Jamie

94

00:07:18,420 --> 00:07:24,320

But I don't think that is so in this case. I think that bulldozer is gonna stay exactly where it was

95

00:07:24,320 --> 00:07:29,560

I don't think the blast is gonna move it and I also think that our heroes are going to die in that blast. Sorry guys

96

00:07:32,980 --> 00:07:38,660

I think that's pretty good. Let's bring in the dozer. I think that when they set off this bomb

97

00:07:39,820 --> 00:07:41,820

Exactly what happens in the movies gonna happen

98

00:07:43,140 --> 00:07:44,260

exactly

99

00:07:44,260 --> 00:07:46,260

They go around and push I

100

00:07:46,500 --> 00:07:53,380

Hope I'm right. I don't I'm gonna feel really stupid. Well, it's over the hole. Let's go push the button. Let's get safe

101

00:08:02,540 --> 00:08:04,260

So I hear you have a green hornet myth for us

102

00:08:04,260 --> 00:08:09,020

I sure do here's the myth the black beauty our car has been riddled with bullets in a car chase

103

00:08:09,020 --> 00:08:15,740

We drive into an elevator to escape the elevator lifts up our car and the back half of it actually gets sheared off

104

00:08:15,740 --> 00:08:17,020

As the elevator goes up

105

00:08:17,020 --> 00:08:21,860

But the front half of the car is able to drive out of the elevator keep on going now

106

00:08:21,860 --> 00:08:26,860

Wait a minute isn't the black beauty a Chrysler Imperial sure is well those are rear-wheel drive cars

107

00:08:26,860 --> 00:08:29,380

If we cut the back end off won't the front end just sit there

108

00:08:29,540 --> 00:08:36,420

It would had my amazing partner Kato not made our car front-wheel drive. He's tricky like that Kato magic

109

00:08:36,540 --> 00:08:42,060

Okay, it sounds like a good story for us can a bullet-ridden car be cut in half by an elevator and can it still drive afterwards?

110

00:08:46,340 --> 00:08:51,300

After the black beauty has been shot up it takes an unintentional ride in an elevator

111

00:08:52,460 --> 00:08:59,380

Drive a wheel type which leads to a two-part question with the car really bifurcate like this and

112

00:08:59,900 --> 00:09:05,660

Given that it's been converted to front-wheel drive. Could it actually make good its two-wheeled escape?

113

00:09:07,180 --> 00:09:11,880

So can you guys actually do this or what oh, yeah, we're gonna build our own freight elevator and just go for it

114

00:09:11,880 --> 00:09:13,980

Yeah, you know what this is gonna be pretty straightforward to test

115

00:09:13,980 --> 00:09:17,180

We'll just drive the car halfway in push the up button see what happens

116

00:09:17,180 --> 00:09:20,060

But you know at first we need to get our own Chrysler Imperial

117

00:09:20,060 --> 00:09:26,300

Then give it a black beauty makeover and then fill it full of holes have fun. I'll be waiting right in this room

118

00:09:27,220 --> 00:09:29,220

Don't care how long it takes

119

00:09:29,500 --> 00:09:31,500

He seems nicer in the movies

120

00:09:31,500 --> 00:09:37,340

While Seth waits for results Grant gets busy with the delivery

121

00:09:38,020 --> 00:09:42,660

Now that's a pretty car and to transform her into the black beauty

122

00:09:42,740 --> 00:09:47,820

She needs a film prop makeover from an expert step up Carrie Byron

123

00:09:47,820 --> 00:09:51,220

I got a little bit of intel on the black beauty from the movie

124

00:09:51,660 --> 00:09:56,420

Now they used as many as 29 of this identical classic car to shoot the movie

125

00:09:56,420 --> 00:09:59,940

They needed them for all sorts of uses they need one in pristine original condition

126

00:09:59,940 --> 00:10:02,700

They needed one to shoot up they needed one with guns on it one to squish

127

00:10:03,260 --> 00:10:06,820

Our black beauty is going to meet its death in our elevator rig

128

00:10:07,220 --> 00:10:09,940

Not before I trick it out a little bit black beauty style

129

00:10:10,900 --> 00:10:17,020

When I see all the work that carries put into making this look like an exact replica of black beauty it

130

00:10:17,700 --> 00:10:21,060

It kind of breaks my heart. I don't want to see it destroyed

131

00:10:22,260 --> 00:10:27,380

Carrie reluctantly hands it over because after the boys take it on one last joy ride

132

00:10:27,460 --> 00:10:31,220

This dead car driving will be facing the firing squad

133

00:10:36,780 --> 00:10:41,460

He forgot to install the parking brake on the black beauty. Oh, well, I ain't Kato

134

00:10:43,220 --> 00:10:47,740

Now it's time to get to the science of this experiment and that is we have to shoot this car

135

00:10:48,180 --> 00:10:50,020

With the hopes that we

136

00:10:50,020 --> 00:10:54,900

Weak in the structural integrity that will give us the best fighting chance of cutting this car in half with an elevator

137

00:10:55,300 --> 00:10:59,300

It pains me to think that we're gonna shoot something this beautiful

138

00:10:59,300 --> 00:11:02,620

I'm the only thing that gives me any consolation is the fact that we're gonna be using

139

00:11:03,340 --> 00:11:06,500

Submachine guns to do it. I think I'll get over it. I

140

00:11:08,100 --> 00:11:10,620

Can't believe we're gonna do this. All right, you ready?

141

00:11:11,220 --> 00:11:15,860

No, here we go in three two one

142

00:11:16,020 --> 00:11:18,020

Fire

143

00:11:23,460 --> 00:11:30,020

Their goal is to match the movie scene shot for shot if the black beauty on screen had over 200 bullet holes

144

00:11:30,060 --> 00:11:32,060

Well, there's will to

145

00:11:35,460 --> 00:11:37,780

That didn't suck clear

146

00:11:39,060 --> 00:11:44,980

Start off with 25 rounds. We moved it to 50 finally. We got all the way up to 270 rounds

147

00:11:45,140 --> 00:11:49,140

But I mean I'm looking at it and I still see a lot of steel holding this car together

148

00:11:49,140 --> 00:11:54,740

I don't think we've done enough structural damage with those rounds to actually cut this car with an elevator

149

00:11:55,300 --> 00:12:00,740

If there's a circle of hell for people who destroy beautiful cars, that's where we're going

150

00:12:06,580 --> 00:12:11,180

Of course, this is the black beauty. Let's go find some crime. Let's go find an elevator. Yeah

151

00:12:11,980 --> 00:12:19,860

Next on mythbusters three two one can a bulldozer fly and

152

00:12:21,020 --> 00:12:25,820

Can an elevator cut a car second floor ladies lingerie

153

00:12:34,660 --> 00:12:40,820

Adam and Jamie are about to find out if this scene from the green hornet is fact or a superhero hype

154

00:12:42,180 --> 00:12:48,980

Specifically, they've got two questions with the black beauties eight rockets have been enough to move the bulldozer up up and away

155

00:12:50,700 --> 00:12:56,500

And second hidden behind the armored seating would our heroes have survived the blast

156

00:12:58,420 --> 00:13:04,460

With Seth Rogen the film star and writer on hand to help the team has matched the movie criteria

157

00:13:05,020 --> 00:13:07,020

Exactly and we're about to find out

158

00:13:07,740 --> 00:13:14,740

All right, this is green hornet the actual test going from broke in three two one fire

159

00:13:22,820 --> 00:13:30,940

Where's the bulldozer? It's not where it was for a brief moment with the dust cloud obscuring the scene the team thought it had blown away

160

00:13:30,940 --> 00:13:35,220

The bulldozer but with a clear view comes a sinking feeling

161

00:13:38,020 --> 00:13:41,420

He didn't glue up a pocket, then it's yeah, it fell in

162

00:13:43,460 --> 00:13:46,460

Wow, that was a lot bigger than I thought it would be

163

00:13:47,780 --> 00:13:51,540

Yep, this wasn't a gasoline fuel movie special effect

164

00:13:52,980 --> 00:13:56,980

See been around movie set explosions. How does our real world one stack up?

165

00:13:57,260 --> 00:14:02,500

It was scary. There's a lot of spire in it, which makes me think it's actually probably a lot more destructive

166

00:14:02,740 --> 00:14:07,820

You kind of feel it a bit you had to get way farther away from it, which also made me think it was more dangerous

167

00:14:08,300 --> 00:14:10,300

But it was a completely horrifying

168

00:14:10,820 --> 00:14:12,820

good, oh

169

00:14:13,700 --> 00:14:16,900

I think we're gonna need some bigger shovels. I

170

00:14:18,500 --> 00:14:20,500

Call not digging this out

171

00:14:21,740 --> 00:14:23,740

That's a heck of a pothole

172

00:14:24,580 --> 00:14:28,340

Well as you can see the loader is still here and still on top of the car

173

00:14:28,540 --> 00:14:35,060

It's down in the hole though and it kind of makes sense because energy is gonna follow the path of least resistance and in this case

174

00:14:35,500 --> 00:14:41,020

That's the dirt push all the dirt out of the way the loader fell in the hole. Well, there's a problem

175

00:14:42,540 --> 00:14:44,540

There were two components to this story

176

00:14:44,540 --> 00:14:51,140

One was that the loader had to fly up in the air and away from the hole and the other is that our heroes inside the car

177

00:14:51,380 --> 00:14:55,980

Live through the blast. I think pretty clear that the first part is totally busted

178

00:14:55,980 --> 00:15:00,180

It's now time to get this first part out of the way so that we can check on the second

179

00:15:01,300 --> 00:15:06,500

Cue the heavy machinery to remove the heavy machinery and with the dozer out the way

180

00:15:06,500 --> 00:15:09,500

The guys get down and dirty to look for our heroes

181

00:15:09,700 --> 00:15:15,100

But the initial evidence twisted scraps of anonymous car does not bode well

182

00:15:16,180 --> 00:15:23,220

That does not look good. Plus the black beauty seems to be buried deeper than before and they call for reinforcements

183

00:15:23,220 --> 00:15:25,220

Let me get something bigger than me

184

00:15:26,980 --> 00:15:28,980

Awesome

185

00:15:29,980 --> 00:15:34,300

Ever delicate archaeological precision don't call the myth busters

186

00:15:36,220 --> 00:15:43,140

But as each piece of mangled wreckage emerges it becomes increasingly clear any hope for part two of the myth

187

00:15:43,540 --> 00:15:48,300

Hero survivability is dying things are not boating well for Britton Kato

188

00:15:50,900 --> 00:15:52,900

It's like soup in there

189

00:15:53,140 --> 00:15:55,980

Superhero soup with black beauty croutons

190

00:16:00,420 --> 00:16:05,420

Dude, I think that's pretty definitive you guys are dead. Yeah, it pains me to admit it but we're toast

191

00:16:06,540 --> 00:16:10,620

When the dummies are finally found the visual evidence is so conclusive

192

00:16:10,860 --> 00:16:14,500

The team doesn't even need the hard data from the pressure sensors

193

00:16:14,580 --> 00:16:20,260

Which is lucky because they didn't make it either this explosion was pretty full-on in fact

194

00:16:20,500 --> 00:16:23,340

It was so full-on that it destroyed our sensors

195

00:16:23,420 --> 00:16:28,900

So we don't have any exact measurements of what happened here, but just looking at it

196

00:16:28,900 --> 00:16:33,460

It's kind of like the car was scrambled like scrambled eggs and

197

00:16:34,900 --> 00:16:36,900

Looking at our dummy

198

00:16:37,060 --> 00:16:40,860

He's pretty well scrambled too and that means it's conclusion time

199

00:16:41,820 --> 00:16:43,820

Well the movie

200

00:16:44,660 --> 00:16:49,540

Blasted way up in the air and me and Kato climb out of the car without a scratch on us

201

00:16:50,300 --> 00:16:54,420

The bulldozer didn't move at all and me and Kato would have been blown to smithereens

202

00:16:54,740 --> 00:17:00,060

All this tells me is if you want to make a good movie the first thing you got to do is throw reality out the window

203

00:17:00,860 --> 00:17:02,860

That's what I've learned

204

00:17:02,860 --> 00:17:06,620

What does this mean for the green hornet you're planning any rewrites to accommodate the laws of physics?

205

00:17:07,620 --> 00:17:10,100

Absolutely not the real question is what does this mean for your show?

206

00:17:10,540 --> 00:17:16,740

Well, it means that your movie physics didn't line up with real physics on two cats and that you would have been toast if you were in

207

00:17:16,740 --> 00:17:19,340

That car and it didn't remove the bulldozer from the scene

208

00:17:19,780 --> 00:17:24,580

Yes, and that means part two of the myth like our heroes is dead and buried

209

00:17:24,580 --> 00:17:27,420

There is simply no way they would have survived

210

00:17:27,780 --> 00:17:31,820

But creating the bulldozers flight is still in their sights

211

00:17:32,300 --> 00:17:39,140

Now the only question for us is what would it take to get that bulldozer to fly awesome? I think so let's go

212

00:17:39,740 --> 00:17:41,740

Carrie

213

00:17:44,780 --> 00:17:52,420

Grant and Tori arriving in their bullet riddled black beauty are about to test the green hornet car cleaving conundrum

214

00:17:53,580 --> 00:17:59,260

We're in a welding bay at Hunter's Point so that we can test the myth from the green hornet that a car can be cut in half by an elevator

215

00:18:00,820 --> 00:18:03,140

Now in the movie this wasn't just any old elevator

216

00:18:03,140 --> 00:18:09,000

This is a big glass elevator that the black beauty crashed through the side of and then got cut in half not by the elevator's door

217

00:18:09,000 --> 00:18:11,000

Frames, but actually by the ceiling

218

00:18:11,460 --> 00:18:16,540

Now we couldn't find any elevator like this at all anywhere so in myth busters fashion

219

00:18:16,540 --> 00:18:18,940

We're going to create our own and to do it

220

00:18:18,940 --> 00:18:26,140

They brought in over three and a half tons of steel for the elevator structure and a forklift to provide the lifts lift

221

00:18:27,060 --> 00:18:34,340

What I have here is a small-scale model of what we're going to be building now these pieces here will all be steel

222

00:18:34,340 --> 00:18:40,200

Eyebeams and across the top in the back now the ceiling in the movie will be represented by a steel trench plate

223

00:18:40,200 --> 00:18:44,420

Which will weld to the top so all of this is going to be welded to the steel floor below us

224

00:18:44,420 --> 00:18:46,340

Which is embedded in the concrete now?

225

00:18:46,340 --> 00:18:51,020

It's important that this thing is structurally sound because when that forklift starts lifting the car

226

00:18:51,020 --> 00:18:55,660

There's going to be a lot of force exerted on this structure, and it cannot move

227

00:18:56,780 --> 00:19:03,440

With the three steel beams lifted shifted and welded securely and the elevator floor trench plate in position

228

00:19:03,860 --> 00:19:06,860

The elevator replica is just about good to go

229

00:19:08,940 --> 00:19:14,800

You wanted the great mother of all elevators well you got it behind me is three and a half tons of steel over

230

00:19:14,820 --> 00:19:21,420

15 linear feet of weight now a regular service elevator has a lift capacity about 10,000 pounds

231

00:19:22,260 --> 00:19:29,200

Forklet that we're using has three and a half times that if this can't cut the car in half no elevator on earth will

232

00:19:29,660 --> 00:19:31,940

second floor ladies lingerie

233

00:19:33,820 --> 00:19:37,580

Meanwhile down on the ground floor black beauty is maneuvered into position

234

00:19:38,940 --> 00:19:44,420

Back to put our car into place, but we've drained all the fluids, so we need some heavy machinery to get it over there and

235

00:19:45,500 --> 00:19:47,500

Somebody shot up the tires

236

00:19:47,980 --> 00:19:49,340

All right

237

00:19:49,340 --> 00:19:51,840

We're in the elevator which means it's go time

238

00:19:52,660 --> 00:19:59,340

Okay, this is the green hornet black beauty biification by elevator in three two one go

239

00:20:11,420 --> 00:20:14,920

You know what there's no way this is happening no way

240

00:20:14,920 --> 00:20:20,760

I mean that is way more powerful than a regular elevator and we still we're not able to cut that car in half

241

00:20:21,000 --> 00:20:26,620

But power isn't really the point as Grant explains. It's about the way that power is applied

242

00:20:29,000 --> 00:20:34,520

So we set everything up just like they had in the news and you know to get that sort of effect that that

243

00:20:34,640 --> 00:20:41,800

Back into the car being chopped off the falling down you need a cutting force what we have here is a crushing force

244

00:20:41,960 --> 00:20:43,960

Wow

245

00:20:44,280 --> 00:20:50,200

All right, that is a smash car that is not a car cut in half and that was an unrealistic amount of force that we put on it

246

00:20:50,200 --> 00:20:55,640

Okay, I feel pretty good about going back to seven saying that this is Boston. Good luck. I don't think we're gonna be able to convince them

247

00:20:56,960 --> 00:21:03,560

Coming up next on mythbusters our car insurance gets revoked again realize when you cut the cable the emergency brakes don't work

248

00:21:11,960 --> 00:21:15,960

So set they hate to break it to you, but it looks like you move him at this kind of busted

249

00:21:15,960 --> 00:21:19,720

Hmm even after reducing the structural integrity with the machine guns

250

00:21:19,760 --> 00:21:21,600

It's still not cutting in half

251

00:21:21,600 --> 00:21:27,800

Well, not so fast because I forgot to tell you something very important and that is not only to Kato make the car front wheel drive

252

00:21:27,800 --> 00:21:31,760

He also installed the special zipper system that cuts the car in half should that ever come up

253

00:21:33,440 --> 00:21:37,680

Yes, we are very clever us super heroes. All right, so how are we gonna continue?

254

00:21:37,680 --> 00:21:44,080

Well, I think it's pretty obvious we need to cut a car in half using conventional tools not an elevator cheese graders or possibly

255

00:21:44,280 --> 00:21:50,880

Demo sauce blow torches and then just see how far we can drive our half car and this time no more superhero excuses

256

00:21:50,880 --> 00:21:52,880

I'm not gonna need them because it's gonna work

257

00:21:55,000 --> 00:22:02,680

So now that's the challenge drive from we'll try is it really possible that the front half could make good its escape

258

00:22:02,800 --> 00:22:05,200

Or is this scene Hollywood pipe?

259

00:22:06,000 --> 00:22:11,520

So obviously the black beauty did not get cut in half quite like it happened in the movie

260

00:22:11,520 --> 00:22:15,480

So we're gonna replicate this myth and cut a car in half and try to drive it around

261

00:22:15,800 --> 00:22:20,920

We're gonna have to do it the old-fashioned way big destructive tools. It's gonna be fun

262

00:22:21,760 --> 00:22:26,120

But here's the catch the black beauty and most cars of that era had rear-wheel drive

263

00:22:26,200 --> 00:22:32,600

So we had to skip ahead a few decades to get this gorgeous land yacht here, which I have fondly named the black

264

00:22:33,600 --> 00:22:41,740

So rather than do a Cato and reconfigure a rear-wheel drive Imperial the mythbusters chop shop is going to hack in half the black

265

00:22:43,640 --> 00:22:48,580

Now the way we're gonna do that we're gonna roll it on its side take the doors off cut through the bottom first

266

00:22:48,600 --> 00:22:50,280

Then the tops in the side

267

00:22:50,280 --> 00:22:57,460

It's important to note that although they've removed the gas tank for safety's sake when it comes to the test the residual fuel in the

268

00:22:57,460 --> 00:23:00,880

Lines and engine should be enough to get the motor running

269

00:23:03,400 --> 00:23:06,560

The question is will the team be able to drive it

270

00:23:07,720 --> 00:23:11,800

Now we're gonna flip the car on its side so that we can get easier access to the hardest part to cut

271

00:23:20,040 --> 00:23:26,760

With the finishing line in sight the team releases its inner destructive demons in a demo saw massacre

272

00:23:32,960 --> 00:23:34,960

Yeah

273

00:23:36,520 --> 00:23:40,000

That was awesome, let's see if the front end will drive

274

00:23:41,080 --> 00:23:45,800

But Tori's not confident after all they've removed the engines energy source

275

00:23:45,800 --> 00:23:48,480

Yeah, we know the engine and the drive wheels are in the front

276

00:23:48,480 --> 00:23:53,080

However, the gas tank with the fuel pump is in the back and they're no longer connected

277

00:23:53,080 --> 00:23:55,240

You like my new car got a lot of leg room

278

00:23:55,240 --> 00:23:59,600

I mean we might be able to start this car up, but I doubt we're gonna be able to drive it for long

279

00:23:59,960 --> 00:24:04,320

Meanwhile our resident glass half full proponent is more confident

280

00:24:04,320 --> 00:24:09,320

I feel like there's a strong possibility that we're gonna be able to drive this car not very far

281

00:24:09,720 --> 00:24:11,120

Okay, you ready?

282

00:24:11,120 --> 00:24:15,680

But I feel like if there's still a little fuel in there and we cut everything properly

283

00:24:15,720 --> 00:24:21,360

You might get a little bit of a ride, but at first they can't even get it started try to turn it over

284

00:24:23,840 --> 00:24:25,840

However, they're not giving up yet

285

00:24:26,120 --> 00:24:29,400

Thinking that there should be some residual gas in a few lines

286

00:24:29,400 --> 00:24:35,480

It may just be a starter problem so Tori squirts starter fluid directly into the carburetor

287

00:24:36,960 --> 00:24:38,960

Close but not so far

288

00:24:42,560 --> 00:24:50,280

To match the movie they really need to drive the car a reasonable distance if they don't you could say the myth has hit the wall

289

00:24:56,200 --> 00:24:58,200

Oh

290

00:25:12,840 --> 00:25:17,360

So in summary the car started and even got going until it hit the wall

291

00:25:17,520 --> 00:25:25,200

But let's face facts with the fuel lines cut it wasn't ever going to get very far and that must mean the myth is busted

292

00:25:25,720 --> 00:25:31,360

Unless back at the shop Seth has any more excuses up his superhero sleeve

293

00:25:32,400 --> 00:25:35,360

Coming up Adam and Jamie play with toy tractors

294

00:25:36,440 --> 00:25:38,440

And I

295

00:25:46,840 --> 00:25:48,280

So where do we go from here?

296

00:25:48,280 --> 00:25:53,040

Well clearly me and Kato are dead and the bulldozer didn't fly so you guys got a lot of work to do

297

00:25:53,040 --> 00:26:00,240

Yes, we do well to get that bulldozer airborne. We need more explosives awesome, and I think we need to break it down to small scale

298

00:26:00,240 --> 00:26:04,600

Let's figure out the best set of parameters that gives us the most amount of movement out of that dozer

299

00:26:04,600 --> 00:26:10,520

Well, you guys do that. I'm required back on my private island. I will check in later to get the results have fun

300

00:26:11,840 --> 00:26:15,440

Private Island I go there all the time really it's nice

301

00:26:15,560 --> 00:26:20,440

Clearly having the hero survive an underground blast like the one in the movie is impossible

302

00:26:21,680 --> 00:26:24,920

But getting a bulldozer to fly may not be

303

00:26:26,560 --> 00:26:32,840

So from here on in Adam and Jamie will be focusing on that alone and starting in small scale

304

00:26:32,840 --> 00:26:37,360

They want to know which type of explosive has the best heavy lifting qualities

305

00:26:39,640 --> 00:26:41,720

So we're out of the Alameda County

306

00:26:42,400 --> 00:26:49,040

Sheriff's bombing range for some small-scale relative testing we have two hundred and ten pound steel

307

00:26:49,640 --> 00:26:55,720

Bulldozers and we've got two types of explosives four pounds of high speed explosive four pounds of low speed explosive

308

00:26:55,720 --> 00:27:01,480

And we are looking for which one of these will throw our bulldozers high in the air without

309

00:27:02,040 --> 00:27:04,040

shredding them to little tiny bits

310

00:27:04,480 --> 00:27:07,520

First up is this right here, which is TNT or Tri-Night

311

00:27:07,520 --> 00:27:13,480

Rotoluing now this has an underground detonation velocity of about 25,000 feet per second

312

00:27:13,480 --> 00:27:17,680

And it's what you might call your average middle of the road high explosive

313

00:27:18,280 --> 00:27:24,280

For comparative purposes the charge for both of the small-scale tests will be buried at the same depth

314

00:27:24,800 --> 00:27:28,680

And as per the movie the bulldozer is positioned on top now

315

00:27:28,680 --> 00:27:31,720

Let's find out exactly what TNT can do

316

00:27:32,160 --> 00:27:35,800

Four pounds of TNT in three two one

317

00:27:43,880 --> 00:27:45,880

Big piece of travel over there

318

00:27:46,880 --> 00:27:48,880

Oh, oh, still coming down

319

00:27:52,000 --> 00:27:54,240

The familiar sharp crack of TNT

320

00:27:55,680 --> 00:27:58,520

But it didn't exactly pick the truck up in the air

321

00:27:59,400 --> 00:28:06,120

But it didn't exactly pick the truck up and move it in one piece it flew for sure, but it flew apart first

322

00:28:09,760 --> 00:28:12,880

Look at the size of it. That's a big pole

323

00:28:13,720 --> 00:28:18,080

You see any piece of the bulldozer anywhere? I don't see any

324

00:28:19,400 --> 00:28:22,680

It doesn't take trackers savage long to find the trail

325

00:28:25,360 --> 00:28:27,360

Found it

326

00:28:29,360 --> 00:28:33,800

Dude, I think this is the only chunk we're likely to find

327

00:28:35,200 --> 00:28:38,880

Well, I'm sitting in all the evidence we have of our TNT blast one

328

00:28:39,200 --> 00:28:42,720

Monster of a hole and one beat up bulldozer bucket

329

00:28:42,720 --> 00:28:47,480

We see pieces in the high-speed shot flying every which way and this is the only piece

330

00:28:47,760 --> 00:28:51,440

We were covered and the force of this blast was enough to turn this quarter inch plate

331

00:28:52,120 --> 00:28:54,120

into a bubble

332

00:28:54,840 --> 00:28:59,920

Now it's time to find out what a slightly slower speed explosive will do to one of these bulldozers

333

00:29:01,080 --> 00:29:08,320

This stuff kind of looks like laundry soap, but it's not it's Ampho or ammonium nitrate and fuel oil in the explosives world

334

00:29:08,640 --> 00:29:13,080

It's what's known as a blasting agent and it has a detonation velocity of about

335

00:29:13,640 --> 00:29:17,920

13,000 feet per second or about half that of TNT fill her in

336

00:29:18,920 --> 00:29:25,560

Why is that important to us? Well instead of ripping and tearing like a really high explosive does

337

00:29:25,880 --> 00:29:29,320

This stuff is known for more pushing and moving of things

338

00:29:30,640 --> 00:29:32,640

This bulldozer

339

00:29:32,640 --> 00:29:34,520

It's heavier than my wife

340

00:29:34,520 --> 00:29:37,400

That's why they use it in quarries and construction sites

341

00:29:37,560 --> 00:29:44,760

So we're hoping that if we put that under our dozer it'll just move it away in one piece instead of blowing it to bits

342

00:29:48,640 --> 00:29:53,840

Charged firing four pounds of Ampho in three two one

343

00:29:58,800 --> 00:30:00,800

Oh

344

00:30:06,320 --> 00:30:11,280

You have a landing that was quite and awesome thud

345

00:30:12,960 --> 00:30:17,160

Yep the distinctive base earth moving thud of Anpho

346

00:30:17,920 --> 00:30:21,160

But did it move the earth moving machinery in one piece?

347

00:30:27,360 --> 00:30:30,120

It just sheared the welds that's amazing

348

00:30:31,240 --> 00:30:37,360

The main section became separated from the bucket, but compared to the TNT the damage was minimal

349

00:30:38,680 --> 00:30:44,400

Came here today to figure out what is our ideal explosive for getting us the result that we see in the movie

350

00:30:44,400 --> 00:30:50,920

What will move our tractor high into the air without turning it into a lot of little broken baby tractor bits?

351

00:30:50,920 --> 00:30:57,680

And here is all of our evidence on my left the TNT blast this bucket is all that we found

352

00:30:57,720 --> 00:31:02,160

It tore that thing to shreds on my right the slower moving

353

00:31:02,240 --> 00:31:07,240

Ampho left us most of our evidence and threw it nice and high in the air and honestly for my money

354

00:31:07,240 --> 00:31:11,760

I think it's the Ampho. I think this is most likely to get us the distance

355

00:31:11,760 --> 00:31:17,240

We're looking for without the broken tractor bits that we don't want it's Ampho next

356

00:31:18,840 --> 00:31:21,760

Will the half car go the full distance

357

00:31:28,640 --> 00:31:34,080

So even if we weren't talking superheroes this still be busted because on the cars cut in half it doesn't run for very long

358

00:31:34,360 --> 00:31:37,560

Yeah, some might say that's gonna someone drove it directly into a wall

359

00:31:37,960 --> 00:31:39,000

Detail

360

00:31:39,000 --> 00:31:39,680

All right

361

00:31:39,680 --> 00:31:42,600

Well, I guess that's one way of saying our test came to an abrupt ending

362

00:31:42,600 --> 00:31:43,400

But I mean let's face it

363

00:31:43,400 --> 00:31:49,640

We put fuel in the lines and I had to use starter fluid in the carburetor to even get the car going true

364

00:31:49,640 --> 00:31:54,280

But the superhero in me would like to remind you that Kato knew this car was gonna be cut in half all along

365

00:31:54,280 --> 00:31:56,440

So he put a reserve fuel tank in the front of the car

366

00:31:56,440 --> 00:32:02,040

So when our cars cut in half no fuel lines were actually cut in the first place in which case we need to modify our half car

367

00:32:02,040 --> 00:32:04,040

And see if it can make it run for longer

368

00:32:04,040 --> 00:32:06,040

Boom

369

00:32:06,920 --> 00:32:08,920

Okay, so Seth is stretching

370

00:32:08,920 --> 00:32:16,840

But it's a legitimate test if the half car had the fuel could it drive for long enough to make a superhero style getaway

371

00:32:18,200 --> 00:32:21,240

To find out the team hits the pedaluma speedway

372

00:32:23,000 --> 00:32:26,800

And with a couple of laps under their belts they're ready to prep their ride

373

00:32:27,120 --> 00:32:33,240

Just as Seth suggested his superhero sidekick Kato did they're adding a reserve fuel tank in the front

374

00:32:33,880 --> 00:32:35,640

Without fuel

375

00:32:35,640 --> 00:32:36,440

You don't go anywhere

376

00:32:36,440 --> 00:32:38,760

But even with fuel will they go anywhere?

377

00:32:39,240 --> 00:32:44,280

Will their half car be able to overcome the friction caused by the drag of the undercarriage?

378

00:32:44,760 --> 00:32:49,320

And will the compromise structure remain intact for any kind of distance?

379

00:32:49,400 --> 00:32:55,880

I think it'll make it three laps man. I would be happy if it made it one dude. I think five. Yeah, let's go. All right. Let's try

380

00:32:56,920 --> 00:32:58,920

They eat my dust

381

00:32:59,000 --> 00:33:04,280

I was like a kid this is half car drag race in three two one go

382

00:33:09,480 --> 00:33:11,480

Get it drag race

383

00:33:12,360 --> 00:33:18,520

That's a promising start and somewhat unexpected because despite a safe steady speed on the first lap

384

00:33:19,800 --> 00:33:22,200

He's maintaining about 20 right now

385

00:33:23,000 --> 00:33:31,400

Tori is clearly having no problems at all not what the team fought before they started picking up speed. He's up to 30

386

00:33:35,480 --> 00:33:38,920

When Tori first started out he started out slow because let's face it

387

00:33:38,920 --> 00:33:42,440

This is the first time we've ever driven a car that's been cut in half

388

00:33:42,920 --> 00:33:46,440

And so his laps were maybe 10 15 miles an hour

389

00:33:46,920 --> 00:33:48,920

Once you start getting the hang of driving it

390

00:33:49,560 --> 00:33:54,760

He punched it and on the straightaways. He picked out at over 40 miles an hour

391

00:33:54,920 --> 00:34:00,200

I cannot believe how fast and how well this car drive. I mean the handling is a little tricky

392

00:34:00,200 --> 00:34:03,080

It's kind of like driving on a wet road or maybe an icy road

393

00:34:06,840 --> 00:34:12,120

That was lap 19 you're coming in for 20. I'm gonna be stopping you there. I cannot believe it

394

00:34:12,840 --> 00:34:16,200

It worked cutting a car in half driving it worked

395

00:34:16,760 --> 00:34:17,960

I

396

00:34:17,960 --> 00:34:24,120

Against all the odds at exceeding all three team members expectations by a factor of at least four

397

00:34:24,680 --> 00:34:27,480

Tori completed 20 laps without a problem

398

00:34:30,440 --> 00:34:32,440

That was crazy

399

00:34:32,680 --> 00:34:37,000

That's 20 laps at 40 miles an hour and the car was sparking like it was catching on fire

400

00:34:37,320 --> 00:34:42,360

Uh, that was great. No climbs at all. Half car altered plausible

401

00:34:42,600 --> 00:34:48,760

Totally plausible. Oh if the black beauty had a reserve fuel tank and imminent separate brake lines. Yeah

402

00:34:49,160 --> 00:34:51,160

Hey, don't tell kato

403

00:34:51,880 --> 00:34:53,880

Good job. That was awesome

404

00:34:54,840 --> 00:34:56,840

Oh my god, I keep going

405

00:34:57,320 --> 00:35:00,440

So it's plausible you can drive half a car

406

00:35:00,840 --> 00:35:04,600

But what about the myth as a whole for that rap? It's back to the show

407

00:35:05,400 --> 00:35:07,400

Yeah, I think we've done enough damage here

408

00:35:08,360 --> 00:35:14,040

All right, so how are we gonna wrap this one up? I think we're gonna have to call this one busted

409

00:35:14,600 --> 00:35:17,000

Whoa, whoa, whoa, I think I saw a different show than you guys

410

00:35:17,080 --> 00:35:20,680

I we were not able to cut a car in half with an elevator car has a zipper thing in it

411

00:35:20,680 --> 00:35:24,760

It cuts itself in half. All right. What about fuel line? He put it on the front. He knew

412

00:35:25,320 --> 00:35:29,000

Okay, okay in the perfect superhero world if the black beauty happened to be a front wheel drive

413

00:35:29,080 --> 00:35:31,800

Unlike anything of the era and the gas tank were in the front and the brakes were in the front

414

00:35:31,880 --> 00:35:35,480

And it could get cut in half by an elevator. Sure. It's totally plausible

415

00:35:35,960 --> 00:35:42,680

Plausible plausible plausible. Nope. So it's confirmed. Don't press your luck. Okay. I'll take plausible

416

00:35:45,640 --> 00:35:53,240

Up next someone order some handful adam and jamie attempt to move the earth moving machinery with some precise explosive engineering

417

00:36:01,400 --> 00:36:04,600

Having determined that the explosive escape myth is busted

418

00:36:04,760 --> 00:36:06,760

It was a completely horrifying

419

00:36:07,080 --> 00:36:10,600

Adam and jamie want to know what it would take to recreate the scene

420

00:36:13,400 --> 00:36:20,760

The bulldozer has to get airborne remain intact for the flight and landed some distance away from its starting point

421

00:36:22,600 --> 00:36:30,120

Let's do it having determined that ampho is our lifting explosive of choice. We've come back to try it full scale

422

00:36:30,120 --> 00:36:34,920

That's right. We're gonna put 250 pounds of the stuff underneath our full-size dozer

423

00:36:35,000 --> 00:36:38,680

We're gonna see if we can get it to fly just like we saw in the movie

424

00:36:41,320 --> 00:36:46,200

I'd say that's perfect. That's the hole now for a whole lot of big boos

425

00:36:47,800 --> 00:36:54,040

Someone order some info with the info laid into the trench in a carefully thought-out volume and configuration

426

00:36:54,360 --> 00:37:00,600

The crew rigged the detonation cord that'll initiate the explosion and that means everything's ready to blow

427

00:37:01,080 --> 00:37:04,840

So adam and jamie bring in the big shovel to first fill in the hole

428

00:37:05,480 --> 00:37:09,080

That's what i'm talking about and then maneuver the dozer into place

429

00:37:09,480 --> 00:37:14,520

We've taken our 250 pounds of ampo and lined it up right down the length of our machine

430

00:37:15,000 --> 00:37:17,000

Just off center why off center?

431

00:37:17,480 --> 00:37:23,320

Well, we hope that by putting it a little bit on this side just a few inches that when it goes off

432

00:37:23,400 --> 00:37:28,760

It'll push the machine up and over that way and do our job for us. Oh, okay stop

433

00:37:30,040 --> 00:37:32,280

That's perfect. Yep, blow it up

434

00:37:33,880 --> 00:37:35,880

Now we've chosen to put

435

00:37:36,440 --> 00:37:39,960

250 pounds of anfo under this tractor and we've chosen that number very carefully

436

00:37:40,360 --> 00:37:43,640

We know how to blow up trucks. We've done it here

437

00:37:45,400 --> 00:37:47,400

And here

438

00:37:48,040 --> 00:37:52,600

But in this case we want to actually lift this truck without destroying it

439

00:37:52,760 --> 00:37:58,840

And we have settled on 250 pounds as the most likely candidate for moving without destroying

440

00:37:59,560 --> 00:38:06,760

But it's a gamble as they've only got one bulldozer and one shot at it. Are we ready? We are ready. Let's do it. Are you ready?

441

00:38:07,160 --> 00:38:13,720

I sure am 250 pounds of ampo and three two one

442

00:38:17,400 --> 00:38:20,840

I see pieces of tires

443

00:38:23,400 --> 00:38:25,400

I think it was lifted

444

00:38:25,400 --> 00:38:27,640

I think it was lifted in a lot of little pieces

445

00:38:29,480 --> 00:38:31,480

Like a nuclear cloud

446

00:38:32,360 --> 00:38:37,160

Yeah, well that was so little more than we wanted wasn't it?

447

00:38:37,720 --> 00:38:39,720

What? Well, they got lift off

448

00:38:41,560 --> 00:38:45,720

Several times in several different directions

449

00:38:48,200 --> 00:38:52,200

And yes, perhaps they did use a fraction too much anfo

450

00:38:52,760 --> 00:38:59,400

But adam doesn't seem too upset behind me a dust cloud that used to be the site on which our bulldozer sat

451

00:39:01,080 --> 00:39:07,480

We can't see exactly what happened, but given the pieces of bulldozer and tires I saw flying from the main location

452

00:39:08,920 --> 00:39:10,920

I think we destroyed a bulldozer

453

00:39:11,400 --> 00:39:13,400

I'm not that broken up about it either

454

00:39:14,120 --> 00:39:19,000

Adam may not be broken up, but anything at the center of this probably will be

455

00:39:20,200 --> 00:39:23,960

Look at the shock wave. Wow. Ah, I love that

456

00:39:24,600 --> 00:39:26,600

perfect sphere of destruction

457

00:39:33,240 --> 00:39:34,200

Wow

458

00:39:34,200 --> 00:39:41,640

There's no dozer, but there's no place where the dozer sat either. This hole is deeper than the hole we dug for the car

459

00:39:43,480 --> 00:39:45,800

You think we went a little too far? Just a little

460

00:39:48,840 --> 00:39:53,800

Well pigs may not fly but bulldozers apparently can at least in little pieces

461

00:39:55,000 --> 00:39:57,000

Now look, there's the wheel

462

00:39:58,280 --> 00:40:04,360

And those pieces clock some frequent flyer miles. This is about 500 feet from the blast center

463

00:40:05,240 --> 00:40:07,240

Wow

464

00:40:08,520 --> 00:40:10,520

That's awesome

465

00:40:11,400 --> 00:40:13,400

The most damning aspect of this is

466

00:40:13,800 --> 00:40:19,320

I'm sitting on the biggest part of the bulldozer that we can find and it's sitting about as far from the hole as we saw

467

00:40:19,320 --> 00:40:21,960

The bulldozer fly in the movie except the hole

468

00:40:22,760 --> 00:40:25,720

Is a hole the size of the car that would be there

469

00:40:26,440 --> 00:40:31,000

The entirety of the thing would have been vaporized along with the two heroes in the car

470

00:40:31,800 --> 00:40:38,600

It's really quite spectacular. I hope this goes to show you kids at home that bulldozers and explosives just don't mix

471

00:40:39,080 --> 00:40:41,080

Well, let me see if I can

472

00:40:41,560 --> 00:40:43,560

reconstruct the scene here

473

00:40:44,520 --> 00:40:47,160

Now you got your throttle and you got your seat

474

00:40:54,520 --> 00:40:58,600

Even with the slower detonation velocity and the higher pushing power of the ampho

475

00:40:59,080 --> 00:41:01,240

We weren't quite able to get that sweet spot

476

00:41:01,320 --> 00:41:06,120

We were looking for where everything is perfectly balanced and the machine comes up off the hole and

477

00:41:06,520 --> 00:41:08,520

Sets down nicely someplace else

478

00:41:08,840 --> 00:41:10,840

The thing is for that to happen

479

00:41:11,320 --> 00:41:15,160

All sorts of things have to be balanced just so the exact

480

00:41:15,800 --> 00:41:21,480

configuration and quantity of the explosives the exact amount of earth on top of the explosives

481

00:41:22,200 --> 00:41:25,240

The weight and the configuration of the machine overhead

482

00:41:26,120 --> 00:41:31,720

All of that stuff has to come into just one moment of interacting perfectly for this to happen

483

00:41:32,360 --> 00:41:34,200

We didn't quite get it

484

00:41:34,200 --> 00:41:35,560

So where do we stand on this one?

485

00:41:35,560 --> 00:41:39,240

Well, given an infinite quantity of bulldozers and explosives

486

00:41:39,320 --> 00:41:42,680

We might be able to figure out how to move one without destroying it

487

00:41:42,680 --> 00:41:46,200

But yeah, but there's no permutation of any amount of explosives that could move

488

00:41:46,280 --> 00:41:52,360

Even the dozer a little bit that wouldn't leave the guys in the car vaporized jelly. This thing's

totally busted. Yeah, it's busted

489

00:41:53,000 --> 00:41:55,000

You think seth is going to be man?

490

00:41:55,000 --> 00:41:57,000

He'll get over

491

00:42:04,200 --> 00:42:06,200

You