

1

00:00:00,000 --> 00:00:05,000

Please, don't try anything that you're about to see us do at home. Ever.

2

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

Anybody else feel like an evil genius?

3

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

To explode the myth that Bond's Bullet could ignite a propane gas tank.

4

00:00:42,000 --> 00:00:48,000

And can Jamie and Adam land 007's spectacular leap without smashing up their speedboat.

5

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

Who are the Mythbusters?

6

00:00:56,000 --> 00:00:57,000

Adam Savage.

7

00:00:57,000 --> 00:00:59,000

I am the villain, bad and unsavage.

8

00:00:59,000 --> 00:01:00,000

And Jamie Heinemann.

9

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

Must.

10

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

Between them more than 30 years of special effects experience.

11

00:01:05,000 --> 00:01:07,000

Rise, my son.

12

00:01:07,000 --> 00:01:09,000

Joining them, Grant Imahara.

13

00:01:09,000 --> 00:01:12,000

Weapon of choice is a crossbow.

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00:01:12,000 --> 00:01:13,000

Tori Bellegi.

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00:01:13,000 --> 00:01:16,000

It's getting dangerous now. And that's how we like it.

16

00:01:16,000 --> 00:01:17,000

And Carrie Byron.

17

00:01:17,000 --> 00:01:19,000

That is messed up.

18

00:01:20,000 --> 00:01:22,000

They don't just tell the Myths.

19

00:01:22,000 --> 00:01:23,000

Wow, I can feel the pressure.

20

00:01:23,000 --> 00:01:26,000

They put them to the test.

21

00:01:29,000 --> 00:01:34,000

James, I'm frightened.

22

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

I sense trouble.

23

00:01:35,000 --> 00:01:39,000

Ha ha! You are never the right to be afraid, my lovely.

24

00:01:39,000 --> 00:01:46,000

For I, Baron Von Savage, have concocted a series of diabolical tests for you and your penguin friend here.

25

00:01:46,000 --> 00:01:47,000

But why?

26

00:01:47,000 --> 00:01:51,000

Why? Because it is time for the Mythbusters James Bond special.

27

00:01:51,000 --> 00:01:52,000

Not this time, Baron.

28

00:01:52,000 --> 00:01:53,000

No.

29

00:01:53,000 --> 00:01:54,000

It's Heinemann.

30

00:01:54,000 --> 00:01:56,000

James Heinemann.

31

00:01:56,000 --> 00:02:00,000

Grab your martini glass and dust off the tux.

32

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

Because it's the James Bond special.

33

00:02:03,000 --> 00:02:07,000

Starting off with a timeless 007 movie myth.

34

00:02:07,000 --> 00:02:09,000

And what special treat do you have in store for me?

35

00:02:09,000 --> 00:02:14,000

Ha! Your naivety, James, surprises even me.

36

00:02:14,000 --> 00:02:20,000

According to your cue, that watch on your wrist can generate an intense magnetic field.

37

00:02:20,000 --> 00:02:22,000

Supposedly strong enough to deflect bullets.

38

00:02:22,000 --> 00:02:25,000

My plan is to try it out for real.

39

00:02:25,000 --> 00:02:27,000

Well then I guess it better work.

40

00:02:27,000 --> 00:02:33,000

For your sake, I hope so. Ha ha ha ha ha ha ha ha ha ha ha ha.

41

00:02:33,000 --> 00:02:37,000

The scenes laid out in our secret agent's storyboard.

42

00:02:37,000 --> 00:02:43,000

The watch is the groovy gadget that cue conjures up for 007 in Live and Let Die.

43

00:02:43,000 --> 00:02:50,000

Disguised as an ordinary wristwatch, it creates a hyper-intensified magnetic field when Bond switches it on.

44

00:02:50,000 --> 00:02:57,000

And although we never see it in the movie, Bond reckons it's powerful enough to deflect a bad guy's bullet.

45

00:02:57,000 --> 00:02:59,000

How are we going to test this one out, Baron?

46

00:02:59,000 --> 00:03:03,000

I believe that we will begin in my under ground layer.

47

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

And you're going to stay in character for this movie.

48

00:03:06,000 --> 00:03:09,000

No, I can't. I gotta take a break. It's killing my voice.

49

00:03:09,000 --> 00:03:10,000

Okay.

50

00:03:10,000 --> 00:03:16,000

Anyway, I figured that it's easy enough to find an electromagnet that can fit in that watch.

51

00:03:16,000 --> 00:03:21,000

And we hook that up, get ourselves a shooting range and a gun, and start firing some bullets past it.

52

00:03:21,000 --> 00:03:22,000

Okay.

53

00:03:22,000 --> 00:03:28,000

Now any myth that involves a magnet makes James one happy guy.

54

00:03:28,000 --> 00:03:30,000

He's got a lot of fun.

55

00:03:30,000 --> 00:03:35,000

Now any myth that involves a magnet makes James one happy guy.

56

00:03:35,000 --> 00:03:39,000

He's got what you could call an extensive collection.

57

00:03:39,000 --> 00:03:48,000

When it comes to magnets, I'm your guy. I've got every kind of magnet, all shapes and sizes, even magnets here that only exist here.

58

00:03:48,000 --> 00:03:55,000

In a previous episode, James used super powerful permanent magnets to build a duct climbing device.

59

00:03:56,000 --> 00:04:01,000

But this myth calls for a magnet of a different kind.

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

That's the one.

61

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

An electromagnet.

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00:04:04,000 --> 00:04:11,000

Electromagnets are made by wrapping a copper wire around a steel core and then running current through it.

63

00:04:11,000 --> 00:04:13,000

That induces an electric field.

64

00:04:13,000 --> 00:04:20,000

That's as opposed to a permanent magnet, which is just some magnetic material that's been permanently magnetized.

65

00:04:21,000 --> 00:04:28,000

Unlike Bond's watch, permanent magnets can't be switched on and off, but electromagnets can.

66

00:04:28,000 --> 00:04:31,000

And James has found just the one for this test.

67

00:04:31,000 --> 00:04:35,000

I have the perfect electromagnet. It's the right size, the right shape.

68

00:04:35,000 --> 00:04:43,000

It's going to go inside this watch, which is an exact replica of the electromagnetic watch in Live and Let Die.

69

00:04:43,000 --> 00:04:52,000

James juices up his magnet to run at five times its usual voltage, making it the strongest magnet that could possibly be wedged into a watch.

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00:04:52,000 --> 00:04:57,000

Yeah, it's a watch. Looks like a watch, but it's not.

71

00:04:57,000 --> 00:05:02,000

But does a magnet this small really stand a chance against a speeding bullet?

72

00:05:02,000 --> 00:05:10,000

Before our daring duo head out on Her Majesty's Secret Service, they do something for your eyes only.

73

00:05:13,000 --> 00:05:17,000

I think it's really good that we get this chance to bond.

74

00:05:17,000 --> 00:05:21,000

Not Bond, Hiner, James Hiner.

75

00:05:21,000 --> 00:05:23,000

Let's go.

76

00:05:35,000 --> 00:05:36,000

So what do we got?

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00:05:36,000 --> 00:05:39,000

This one comes in the latest Bond movie, Casino Royale.

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00:05:39,000 --> 00:05:42,000

Bond is surrounded by bad guys, seemingly no escape.

79

00:05:42,000 --> 00:05:45,000

When he spies a propane tank, he whips out his gun and shoots it.

80

00:05:45,000 --> 00:05:53,000

Yeah, he's like 20 feet away. He sees a hundred pound propane tank, shoots it with a 9mm, it explodes, and he survives.

81

00:05:55,000 --> 00:05:59,000

In the movie, our secret agent heroes got himself in a tight corner.

82

00:05:59,000 --> 00:06:02,000

Bond spies a propane tank 20 feet away.

83

00:06:02,000 --> 00:06:10,000

He whips out his 9mm Walter P99, fires a shot, sparking a giant fireball, and lets him get away.

84

00:06:10,000 --> 00:06:12,000

He's a classic Bond maneuver.

85

00:06:12,000 --> 00:06:16,000

But, is it an escape strategy to gamble your life on?

86

00:06:16,000 --> 00:06:18,000

Alright you guys, how do you want to test this one?

87

00:06:18,000 --> 00:06:23,000

I think we should start out by getting some empty propane tanks and shooting them with a 9mm.

88

00:06:23,000 --> 00:06:25,000

Just to see if we can pierce them.

89

00:06:25,000 --> 00:06:32,000

Now if we can't pierce them, I think we should step up to bigger and bigger guns and keep shooting until we find a gun that can.

90

00:06:32,000 --> 00:06:37,000

And once we can pierce the tank, we should fill with propane and find out if the tank can explode.

91

00:06:37,000 --> 00:06:41,000

Alright, sounds like we're going to need a lot of guns and a lot of propane tanks.

92

00:06:41,000 --> 00:06:47,000

Tanked up and firing at all cylinders, it's straight to the Alameda bomb range.

93

00:06:47,000 --> 00:06:49,000

There's no messin' about on this myth.

94

00:06:49,000 --> 00:06:54,000

Right away, the team unload an empty canister and put safety shields in place.

95

00:06:54,000 --> 00:06:59,000

After all, they all want to die another day, and not today.

96

00:06:59,000 --> 00:07:01,000

Alright, what's the plan?

97

00:07:01,000 --> 00:07:06,000

Well first off, we need to see if you can penetrate a gas cylinder before we start putting propane in it.

98

00:07:06,000 --> 00:07:11,000

I think we should start with the 9mm, because that's what James Bond used in the movie.

99

00:07:11,000 --> 00:07:14,000

Perfect! Let's do it!

100

00:07:17,000 --> 00:07:20,000

It's a plot even Blofeld couldn't crack.

101

00:07:20,000 --> 00:07:24,000

From 20 feet, Kari's firing the Walter P99 handgun.

102

00:07:24,000 --> 00:07:28,000

Same gun Bond used, same distance.

103

00:07:28,000 --> 00:07:31,000

But different results.

104

00:07:31,000 --> 00:07:36,000

So the first test was with the 9mm, shot at once, didn't pierce the tank,

105

00:07:36,000 --> 00:07:42,000

shot at a second time, still didn't pierce the tank, and we couldn't get any sort of piercing into this tank.

106

00:07:42,000 --> 00:07:47,000

Has the movie myth fallen foul of our gun toting team already?

107

00:07:47,000 --> 00:07:50,000

We pretty much busted this myth already.

108

00:07:50,000 --> 00:07:53,000

In the movie, he's using a 9mm and he punctures the tank.

109

00:07:53,000 --> 00:07:55,000

We've shot it twice, haven't been able to puncture it.

110

00:07:55,000 --> 00:07:57,000

It's not going to happen.

111

00:07:57,000 --> 00:08:00,000

Well good thing we brought the entire Mythbusters arsenal.

112

00:08:00,000 --> 00:08:05,000

Sure is, because after one test, it's not looking good for this Bond movie moment.

113

00:08:05,000 --> 00:08:10,000

But in the words of Dr. No, he never fail, Mr. Bond.

114

00:08:10,000 --> 00:08:13,000

And we're not leaving without a fireball.

115

00:08:13,000 --> 00:08:16,000

Still to come, remote control controversy.

116

00:08:16,000 --> 00:08:19,000

You are seeing everything up until this point. This is my turn.

117

00:08:19,000 --> 00:08:22,000

But up next, it's full steam ahead.

118

00:08:34,000 --> 00:08:37,000

It's the Mythbusters James Bond special.

119

00:08:37,000 --> 00:08:41,000

And Kari Granton Tory are dancing around the question,

120

00:08:41,000 --> 00:08:45,000

could you spark a massive explosion by shooting a propane gas tank

121

00:08:45,000 --> 00:08:48,000

just like 007 did in Casino Royale?

122

00:08:48,000 --> 00:08:52,000

Well, Bond's 9mm has been blown away.

123

00:08:52,000 --> 00:08:54,000

We've shot it twice, haven't been able to puncture it.

124

00:08:54,000 --> 00:08:56,000

It's not going to happen.

125

00:08:56,000 --> 00:09:00,000

So like Bond at the casino, Tauri's raised the stakes.

126

00:09:01,000 --> 00:09:03,000

And reached for the shotgun.

127

00:09:04,000 --> 00:09:06,000

Ah, look at that hole.

128

00:09:06,000 --> 00:09:08,000

Let's see if it made it all the way through.

129

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

Oh, not quite. Check it out.

130

00:09:12,000 --> 00:09:14,000

Almost, though.

131

00:09:14,000 --> 00:09:18,000

But almost is not enough.

132

00:09:18,000 --> 00:09:23,000

For a big Bond bang, Kari reckons they need a gun that can slice through the front

133

00:09:23,000 --> 00:09:25,000

and the back of the tank.

134

00:09:25,000 --> 00:09:27,000

Next we're using the 30-06.

135

00:09:27,000 --> 00:09:30,000

And I think that this might be the gun that could create the fireball.

136

00:09:30,000 --> 00:09:35,000

Because I think that bullet is going to penetrate the front and the back of the tank.

137

00:09:35,000 --> 00:09:41,000

And I think it might be able to make an entry wound, add oxygen into the environment

138

00:09:41,000 --> 00:09:43,000

and then possibly spark on the way out.

139

00:09:45,000 --> 00:09:47,000

Nice shot!

140

00:09:47,000 --> 00:09:49,000

Well, thank you.

141

00:09:50,000 --> 00:09:55,000

The rifles ruptured the tank not once, but twice, at the front and through the back.

142

00:09:55,000 --> 00:09:59,000

But where does that leave Mr. Bond and his Walter P-99?

143

00:10:00,000 --> 00:10:02,000

It looks like we can bust the myth right here.

144

00:10:02,000 --> 00:10:06,000

I mean, the 9mm that James Bond used doesn't even pierce the tank.

145

00:10:06,000 --> 00:10:09,000

Yeah, but we have two weapons that will puncture those tanks.

146

00:10:09,000 --> 00:10:11,000

The shotgun and the 30-06.

147

00:10:11,000 --> 00:10:15,000

Why don't we take those and shoot a full tank of propane gas and see what happens.

148

00:10:15,000 --> 00:10:17,000

See if it blows up into a ball of fire.

149

00:10:17,000 --> 00:10:21,000

Well, before we start playing with fire, can we please change out of these completely flammable clothes?

150

00:10:21,000 --> 00:10:23,000

Yeah, I'm sick of these monkey suits.

151

00:10:23,000 --> 00:10:26,000

There's no monkey business back at the bomb range.

152

00:10:27,000 --> 00:10:35,000

Our intrepid trio are dealing with 22 gallons of highly flammable propane, packed at 240 psi.

153

00:10:37,000 --> 00:10:40,000

Even the steel tank's got a license to kill.

154

00:10:40,000 --> 00:10:47,000

It's a life-threatening scenario, so the tank is staked to the ground and the team will fire from a safe distance away.

155

00:10:47,000 --> 00:10:51,000

You know, one thing would be kind of cool is if we dress up Buster like James Bond,

156

00:10:51,000 --> 00:10:54,000

put him 20 feet away and see what happens to him if this thing does explode,

157

00:10:54,000 --> 00:10:56,000

because he could potentially get burned up.

158

00:10:56,000 --> 00:11:03,000

He sure could, because this round carries shooting a full tank of propane with the high-powered rifle.

159

00:11:04,000 --> 00:11:08,000

The reason why the 30-06 might work is because we're using armor-piercing rounds,

160

00:11:08,000 --> 00:11:10,000

and that's a piece of steel surrounded by lead.

161

00:11:10,000 --> 00:11:15,000

Now, when that bullet goes through the first wall of the tank, the lead could shear away, leaving just the steel.

162

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

And when that steel hits that second wall, we could create a spark.

163

00:11:18,000 --> 00:11:23,000

The tank's locked and loaded. Buster Bond's standing by and carries got her gun.

164

00:11:24,000 --> 00:11:26,000

Are you ready, Moshmoney Penny?

165

00:11:26,000 --> 00:11:27,000

Quot ready.

166

00:11:27,000 --> 00:11:30,000

Moshmoney Penny never packed a piece like this.

167

00:11:31,000 --> 00:11:33,000

Three, two, one.

168

00:11:36,000 --> 00:11:37,000

Nice shot!

169

00:11:37,000 --> 00:11:38,000

Good shot!

170

00:11:38,000 --> 00:11:39,000

Thank you.

171

00:11:41,000 --> 00:11:46,000

The high-speed camera shows the armor-piercing bullets slicing through the cylinder,

172

00:11:46,000 --> 00:11:50,000

like Bond in a pajama party, but without the resulting bang.

173

00:11:51,000 --> 00:11:56,000

Wow! That's great! But no explosion. No.

174

00:11:56,000 --> 00:11:58,000

But ride on the money, Penny.

175

00:11:58,000 --> 00:12:04,000

The team have the propane tank myth on the run, but can they find the right bullet to blow it away?

176

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

Now, let's leap into Movie Myth 003.

177

00:12:17,000 --> 00:12:18,000

So what's up next?

178

00:12:18,000 --> 00:12:22,000

This is a good one. Remember the famous speedboat chase through the bayous in Live and Let Die?

179

00:12:22,000 --> 00:12:23,000

Yeah, that was great.

180

00:12:23,000 --> 00:12:28,000

Alright, our task is to replicate part of that chase, specifically the incredible jumps.

181

00:12:28,000 --> 00:12:32,000

Not just to replicate them, but to find out if speedboats, like the ones you see in the movie,

182

00:12:32,000 --> 00:12:37,000

could make a jump like that, land and continue on their high-speed chase.

183

00:12:37,000 --> 00:12:41,000

So it's all about that landing and whether or not it would destroy the boat.

184

00:12:41,000 --> 00:12:43,000

Exactly. That's our task.

185

00:12:44,000 --> 00:12:49,000

The Live and Let Die boat chase is surely the most spectacular in Bond history.

186

00:12:49,000 --> 00:12:56,000

Pursued by Mr. Big's henchmen through the Louisiana bayous, 007 finds himself trapped by a levy.

187

00:12:56,000 --> 00:13:04,000

In unflappable Bond style, he aims his speedboat at the bank and makes the leap over a shocked sheriff waiting below.

188

00:13:04,000 --> 00:13:08,000

He lands safely back in the water and races away.

189

00:13:08,000 --> 00:13:11,000

But will this Movie Myth have a crash landing?

190

00:13:11,000 --> 00:13:17,000

Jimmy, in all your years as a captain in the Caribbean, did you ever jump a motorboat?

191

00:13:17,000 --> 00:13:20,000

Well, I've sunk a couple, but never jumped one.

192

00:13:20,000 --> 00:13:26,000

Well, that tells me that we probably don't want to go whole hog on this right off the bat, that a few scale tests are in order.

193

00:13:26,000 --> 00:13:28,000

Sounds like a plan.

194

00:13:29,000 --> 00:13:39,000

So it's full speed ahead for Adam as he creates a mini bayou on the floor of M5, using 2x4s, plywood and a polytarch.

195

00:13:39,000 --> 00:13:44,000

I need it to be waterproof because if I let this leak, Jimmy will get really f\*\*\*ed off.

196

00:13:44,000 --> 00:13:49,000

And it's best not to anger Agent Heineman when he's got a steel girder in hand.

197

00:13:49,000 --> 00:13:50,000

That was easy.

198

00:13:50,000 --> 00:13:53,000

It lacked the part of the small scale ramp.

199

00:13:54,000 --> 00:14:01,000

Here's the sound. It's like people yelling at their TVs. I know what they're saying. You're saying,

200

00:14:01,000 --> 00:14:07,000

but Adam, in the James Bond movie, he didn't hit a ramp. He hit the side of the levy.

201

00:14:07,000 --> 00:14:10,000

Here's the thing. We don't have a levy that's the perfect size and shape.

202

00:14:10,000 --> 00:14:15,000

And if we're all going to be honest with each other, we know that it happened with a ramp.

203

00:14:15,000 --> 00:14:22,000

Our question is not ramp or no ramp, levy or no levy, it's can a boat make a jump like we saw in the movie and keep on going when it's done.

204

00:14:22,000 --> 00:14:28,000

It all sounds so simple. So with the small scale biocomplete, what's Adam's plan?

205

00:14:28,000 --> 00:14:31,000

Well, I'm just going to go for this and hope for the best.

206

00:14:31,000 --> 00:14:36,000

But he quickly learns that remote control is harder than it looks.

207

00:14:36,000 --> 00:14:38,000

This is going to take a while.

208

00:14:41,000 --> 00:14:44,000

Oh, I hit the camera.

209

00:14:44,000 --> 00:14:48,000

So how many times are you going to screw around with this before I get a go?

210

00:14:48,000 --> 00:14:56,000

Look, you are seeing everything up until this point. This is my turn and I've given you plenty of time in the past to dial it in and get it to the zone.

211

00:14:56,000 --> 00:15:03,000

I don't want to be trying to get into the zone while thinking you're just going to usurp me at some point. So give me some bloody space.

212

00:15:03,000 --> 00:15:07,000

With a thumbs up from James, Adam zones into his remote boat.

213

00:15:07,000 --> 00:15:12,000

The lessons he learns here will be crucial in the full scale test later.

214

00:15:12,000 --> 00:15:18,000

I know I want to learn some stuff from this test, like angle of ramp and speed of boat and controllability of boat.

215

00:15:18,000 --> 00:15:22,000

And there's also a host of things that I don't know about what I need to know.

216

00:15:22,000 --> 00:15:28,000

And that's probably the main reason we're doing this. Just to get a feel for controlling a boat, running it towards a ramp.

217

00:15:28,000 --> 00:15:37,000

It's not like this is an absolute analog to the full size test, but it should teach us enough to know where the problem areas might occur.

218

00:15:37,000 --> 00:15:38,000

Geez.

219

00:15:38,000 --> 00:15:47,000

And what's quickly clear is that the key problem is control. If the boat doesn't hit the ramp dead on, its chances are sunk.

220

00:15:47,000 --> 00:15:48,000

That was something.

221

00:15:48,000 --> 00:15:52,000

Well, I think that's about the end of what we can learn from this boat in scale.

222

00:15:52,000 --> 00:15:56,000

Yep. It's time to go full size. Let's get a boat and do it for real.

223

00:15:56,000 --> 00:15:58,000

Man, this one's going to be hard.

224

00:15:58,000 --> 00:16:02,000

Make that hard and dangerous, because here's what's going to happen.

225

00:16:02,000 --> 00:16:08,000

Using a full scale speed boat, the mythbusters will steer it onto a submerged ramp at high speed.

226

00:16:08,000 --> 00:16:15,000

If it miraculously manages to make the 70 foot leap over a barge below, will it still be in one piece?

227

00:16:15,000 --> 00:16:18,000

Dude, it looks just like the boat in Living Let Die.

228

00:16:18,000 --> 00:16:20,000

Not going to get closer than that.

229

00:16:20,000 --> 00:16:28,000

The speed boat's almost an exact replica of Bond's 1973 Glasstron GT150.

230

00:16:28,000 --> 00:16:35,000

But there's one tiny issue. The insurance company won't let James or Adam be in the boat during the test.

231

00:16:35,000 --> 00:16:38,000

So the only solution is RC.

232

00:16:38,000 --> 00:16:40,000

I'm going to be RC-ing this boat.

233

00:16:41,000 --> 00:16:47,000

And then maybe I can get Jamie to sit in it and I'll let it go out of control and drive through a fence like he did to me.

234

00:16:47,000 --> 00:16:49,000

What the hell was that?

235

00:16:49,000 --> 00:16:56,000

With remote revenge in mind, Adam wires up the boat so he can control the throttle and the steering

wheel.

236

00:16:56,000 --> 00:17:00,000

And I'm going to use the same module to do each.

237

00:17:00,000 --> 00:17:05,000

This is a very large, waterproof, super high powered servo.

238

00:17:05,000 --> 00:17:12,000

Basically, when I make a motion on my RC transmitter, this will rotate according to what I tell it to do.

239

00:17:12,000 --> 00:17:19,000

But the question is, will the boat obey Adam's every command or is it on a crash course to catastrophe?

240

00:17:19,000 --> 00:17:22,000

There's just one way to find out.

241

00:17:22,000 --> 00:17:27,000

Coming up next on MythBusters, find out how not to dry clean your tuxedo.

242

00:17:27,000 --> 00:17:31,000

And is the Bond Magnetic Mission still on target?

243

00:17:31,000 --> 00:17:33,000

Right to the same hole.

244

00:17:36,000 --> 00:17:48,000

The MythBusters are taking aim at 007 movie myths.

245

00:17:48,000 --> 00:17:54,000

In Live and Let Die, James Bond's Magnetic Watch saves his bacon more than once.

246

00:17:54,000 --> 00:17:57,000

But could it really deflect a speeding bullet?

247

00:17:57,000 --> 00:18:00,000

Or is it just Bond Bologna?

248

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

Armed with a replica of 007's watch, steel bullets, and, well, a ballistics gel arm, James and Adam are on target to put this myth to the test.

249

00:18:11,000 --> 00:18:14,000

This myth depends on deadly accurate aim.

250

00:18:14,000 --> 00:18:21,000

So to take human error out of the equation, our Magnetic Duo rig up a remote firing device.

251

00:18:21,000 --> 00:18:25,000

Adam's gone high tech to explain how it'll work.

252

00:18:25,000 --> 00:18:27,000

Allow me to demonstrate with a bit of secret agent yarn.

253

00:18:27,000 --> 00:18:33,000

Under normal circumstances, the bullet leaving this barrel will follow a consistent trajectory towards the target.

254

00:18:33,000 --> 00:18:37,000

I.e. every bullet we fire should go through the same hole at this distance.

255

00:18:37,000 --> 00:18:46,000

However, if there is any merit to this myth, the bullet when it goes past the watch will change its trajectory.

256

00:18:46,000 --> 00:18:50,000

And then we'll see a different hole being made into the target.

257

00:18:50,000 --> 00:18:54,000

Queer the theory, Adam. Let's put it to the test.

258

00:18:55,000 --> 00:19:01,000

The first two shots simply check the trajectory of a bullet without the magnet in play.

259

00:19:01,000 --> 00:19:05,000

And sure enough, both bullets land in the same spot on the target.

260

00:19:05,000 --> 00:19:08,000

That's what I like to see right through the same hole.

261

00:19:08,000 --> 00:19:11,000

Alright, let's get that watch fired up and see if there's a difference.

262

00:19:13,000 --> 00:19:17,000

Remember, any differences in the next test will be the result of the magnet.

263

00:19:18,000 --> 00:19:24,000

So, like Solitaire, it's time to lay the cards on the table about the might of our electromagnet.

264

00:19:24,000 --> 00:19:30,000

Magnetism is measured in Gauss. The Earth's magnetic field is about half a Gauss.

265

00:19:30,000 --> 00:19:37,000

A fridge magnet, 10 Gauss, while a junkyard magnet is a whopping 10,000 Gauss.

266

00:19:37,000 --> 00:19:39,000

Add as for our bond watch.

267

00:19:39,000 --> 00:19:40,000

575.

268

00:19:40,000 --> 00:19:43,000

That's not bad for a small one that fits in a watt.

269

00:19:43,000 --> 00:19:45,000

Well, yeah, that's the most we could fit in there.

270

00:19:45,000 --> 00:19:48,000

And I want to point out that we've overclocked this.

271

00:19:48,000 --> 00:19:51,000

This is running at like five times the voltage it's intended to.

272

00:19:51,000 --> 00:19:52,000

Perfect.

273

00:19:53,000 --> 00:19:56,000

James has juiced up the magnet as far as it'll go.

274

00:19:56,000 --> 00:20:01,000

But has it got the stones to sidetrack the slug just like in Live and Let Die?

275

00:20:06,000 --> 00:20:11,000

You know, Adam, even though they say that this electromagnetic watch was powerful enough to deflect a bullet,

276

00:20:11,000 --> 00:20:13,000

you never actually see it do that in the film.

277

00:20:13,000 --> 00:20:16,000

We do, however, see it do some other pretty remarkable feats.

278

00:20:16,000 --> 00:20:18,000

Like pull the zipper down on that woman's dress.

279

00:20:18,000 --> 00:20:25,000

You see it attract that compressed gas bullet and even pull his boss's teaspoon off of his teacup from across the room.

280

00:20:25,000 --> 00:20:27,000

Yeah, but all those effects are old-school.

281

00:20:27,000 --> 00:20:30,000

Pulling monofilament, rods, stuff like that.

282

00:20:30,000 --> 00:20:35,000

Yeah, the fact is a magnet's power decreases exponentially the farther you get away from it.

283

00:20:35,000 --> 00:20:39,000

They simply can't act at a distance unless you're really close.

284

00:20:39,000 --> 00:20:43,000

And that's exactly what we're doing in our testing at very close range.

285

00:20:43,000 --> 00:20:50,000

Okay, but the question is, even at close range, will a magnet this size affect a bullet at all?

286

00:20:50,000 --> 00:20:53,000

Okay, electromagnetic watch test.

287

00:20:53,000 --> 00:20:55,000

In three, two, one.

288

00:20:56,000 --> 00:20:57,000

Right through the hole.

289

00:20:57,000 --> 00:21:00,000

Right through the same hole. No effect from the watch.

290

00:21:00,000 --> 00:21:02,000

Well, let's double check and have a look at the high speed.

291

00:21:02,000 --> 00:21:03,000

Okay.

292

00:21:03,000 --> 00:21:11,000

The high speed camera captures the bullet at 6,000 frames a second and it confirms that the bullet stayed on course.

293

00:21:11,000 --> 00:21:14,000

Well, that's definitive. The electromagnetic watch did not work.

294

00:21:14,000 --> 00:21:21,000

And the fact is there's just no way to pump enough energy through an electromagnet that size to be able to affect a bullet.

295

00:21:21,000 --> 00:21:25,000

But we're not going to leave it there. That's just the first part of what we do, replicating the circumstances.

296

00:21:25,000 --> 00:21:27,000

Now we want to see if we can replicate the results.

297

00:21:27,000 --> 00:21:31,000

Will a bigger electromagnet alter the trajectory of our bullets?

298

00:21:31,000 --> 00:21:35,000

But when it comes to electromagnets, does size matter?

299

00:21:35,000 --> 00:21:42,000

Well, it might not fit on your wrist, but this magnet has 3,200 gauss of pure pulling power.

300

00:21:42,000 --> 00:21:46,000

This is fire and a bullet pass. It's a super big electromagnet.

301

00:21:46,000 --> 00:21:49,000

And three, two, one.

302

00:21:51,000 --> 00:21:56,000

Went right through the same hole. The electromagnet had no effect on the trajectory. Let's look at the high speed.

303

00:21:57,000 --> 00:22:05,000

Yet again, the high speed tells the same story. Even an electromagnet this big doesn't affect the bullet.

304

00:22:05,000 --> 00:22:09,000

Well, the results of all the tests we've conducted so far are pretty conclusive.

305

00:22:09,000 --> 00:22:17,000

No matter how many bullets we've fired, and no matter what we've fired them past, they are all exiting through the same hole in the Jamie target.

306

00:22:17,000 --> 00:22:22,000

Which tells me that nothing we're trying is affecting the trajectory of any of our bullets.

307

00:22:22,000 --> 00:22:27,000

The electromagnet is not enough, but our secret agents haven't surrendered yet.

308

00:22:33,000 --> 00:22:37,000

The Casino Royale Exploding Propane Tank Mitt is busted.

309

00:22:37,000 --> 00:22:41,000

Bond's 9 mil couldn't even pierce the tank.

310

00:22:41,000 --> 00:22:49,000

And even when the team used a high velocity rifle with armor piercing bullets, there was a good head of steam, but no explosion.

311

00:22:49,000 --> 00:22:52,000

But Carrie's got a hot idea.

312

00:22:52,000 --> 00:22:58,000

None of this regular stuff's going to do it. We're going to need something with a little fire, so we're moving on to a tracer round.

313

00:22:58,000 --> 00:23:00,000

This should be interesting.

314

00:23:01,000 --> 00:23:08,000

Tracers have a small amount of bright burning phosphorus at their base. That's what makes them visible to the naked eye.

315

00:23:08,000 --> 00:23:11,000

But it vaporizes as the bullet travels through the air.

316

00:23:12,000 --> 00:23:20,000

It's possible Bond could be packing tracers, but gun guru Frank Tabor reckons he'd need more than a single shot.

317

00:23:20,000 --> 00:23:28,000

You may have to shoot it twice. One's to pierce it, and the second one maybe to ignite the ball of gases that come out. We'll find out.

318

00:23:28,000 --> 00:23:30,000

Yeah!

319

00:23:30,000 --> 00:23:34,000

Tori's pumped, and the tracers are locked and loaded.

320

00:23:35,000 --> 00:23:37,000

Oh, yeah!

321

00:23:37,000 --> 00:23:47,000

The first tracers lit up like Christmas jolts, releasing a huge cloud of flammable gas. In comes the second, and the third, but...

322

00:23:47,000 --> 00:23:49,000

I can't believe this. No explosion!

323

00:23:49,000 --> 00:23:52,000

Yeah, but I saw the tracer rounds definitely lit up.

324

00:23:52,000 --> 00:23:57,000

So the tracer rounds went in, it punctured the tank, it should have ignited, but it didn't.

325

00:23:58,000 --> 00:24:06,000

This myth's not just double busted, it's triple busted. No bullets triggered the mighty Bond Caboon.

326

00:24:06,000 --> 00:24:15,000

That's it. I am so over bullets. We even tried to trace around, which is basically a bullet on fire, and we couldn't get any explosion out of a propane tank.

327

00:24:15,000 --> 00:24:23,000

So we're moving on to high explosives, something that will guarantee a really James Bond ending to the story.

328

00:24:24,000 --> 00:24:30,000

And if you want a Bond-worthy explosion, bomb technician J.D. Nelson's the go-to guy.

329

00:24:30,000 --> 00:24:36,000

He attaches a small amount of incendiary explosives to the tank and rolls out the charge.

330

00:24:36,000 --> 00:24:43,000

While Buster Bond stays 20 feet from the tank, the team retreat to the safety of their blast-proof lair.

331

00:24:43,000 --> 00:24:45,000

Anybody else feel like an evil genius?

332

00:24:45,000 --> 00:24:48,000

Bye-bye, Dubino Buster!

333

00:24:48,000 --> 00:24:55,000

Today, propane tanks. Tomorrow, world domination.

334

00:24:55,000 --> 00:25:02,000

You've seen your last martini, 003. In three, two, one.

335

00:25:08,000 --> 00:25:13,000

That was the biggest fall of flame I've ever seen!

336

00:25:13,000 --> 00:25:15,000

Oh, that was rad!

337

00:25:18,000 --> 00:25:23,000

Now that's what you'd call a real thunderball.

338

00:25:23,000 --> 00:25:32,000

Remember, all J.D. added was enough explosive to rupture the tank and ignite the gas. The rest was pure propane.

339

00:25:34,000 --> 00:25:40,000

Buster Bond's lucky to have kept his head. The tank's been blown to smithereens.

340

00:25:41,000 --> 00:25:44,000

Wow!

341

00:25:44,000 --> 00:25:49,000

Oh, dude, it's a kill that right open.

342

00:25:49,000 --> 00:25:51,000

That's crazy.

343

00:25:51,000 --> 00:25:52,000

Where's the top?

344

00:25:52,000 --> 00:25:54,000

The top is over there.

345

00:25:56,000 --> 00:25:58,000

Mythbusters, was this a successful day?

346

00:25:58,000 --> 00:25:59,000

Absolutely.

347

00:25:59,000 --> 00:26:00,000

Fantastic.

348

00:26:00,000 --> 00:26:01,000

I'm happy.

349

00:26:01,000 --> 00:26:03,000

Let's walk off in the sunset.

350

00:26:03,000 --> 00:26:04,000

Wow.

351

00:26:04,000 --> 00:26:08,000

You know, we got a few more of those cans of propane.

352

00:26:08,000 --> 00:26:13,000

And you could bet we're going to use them, because this Bond myth ain't over yet.

353

00:26:13,000 --> 00:26:18,000

Stay with us, because Adam's in control of Bond's live and let tie boat jump.

354

00:26:18,000 --> 00:26:22,000

As many times as we do this, I don't get used to how much fun it is.

355

00:26:28,000 --> 00:26:33,000

You want to see more crazy characters that we played in the opening scene? Log on to [discovery.com](http://discovery.com).

356

00:26:33,000 --> 00:26:40,000

The Mythbusters, where you can see our very own James Bond trailer with the entire Mythbusters team bonding.

357

00:26:42,000 --> 00:26:47,000

Please, don't try anything that you're about to see us do at home. Ever.

358

00:27:03,000 --> 00:27:12,000

Unless your James Bond in live and let die 007 leaps a Louisiana levee without smashing up his speedboat.

359

00:27:12,000 --> 00:27:17,000

But James and Adam's small scale tests have already washed up a few problems.

360

00:27:18,000 --> 00:27:23,000

Seems to be our curse on Mythbusters is that these things we only have one shot at.

361

00:27:23,000 --> 00:27:28,000

And this one is no different. It's all or nothing.

362

00:27:28,000 --> 00:27:34,000

So with nothing to lose, the Mythbusters have hightailed it up country for a full scale test.

363

00:27:34,000 --> 00:27:38,000

Well, unfortunately California is pretty far from Bayou's of Louisiana.

364

00:27:38,000 --> 00:27:44,000

And this myth is all about location, location, location. It has to be the right location for us.

365

00:27:44,000 --> 00:27:52,000

So we've come to a secret location in Northern California. I can't tell you where we exactly are, but this, we're told, might be perfect.

366

00:27:52,000 --> 00:28:00,000

And just to make sure the now not so secret location is as perfect as it looks, James and Adam head out on reconnaissance.

367

00:28:00,000 --> 00:28:07,000

We're scouting the lake right now for the perfect location for our ramp. It's going to be built out

of scaffolding.

368

00:28:07,000 --> 00:28:15,000

And it's got to be built in relatively shallow water five or six feet deep because any deeper than that and just be too hard to build.

369

00:28:16,000 --> 00:28:23,000

Most of the lake is 15 to 18 feet deep, but Adams had a tip off about a nice shallow straight stretch.

370

00:28:23,000 --> 00:28:33,000

Yeah, perfect. Right here. This looks great. Yeah, this is nice. It's fairly consistent.

371

00:28:33,000 --> 00:28:41,000

With a buoy marking the spot, it's back to base and all hands on deck to rig up the full scale ramp.

372

00:28:42,000 --> 00:28:50,000

While this may look like a bit of standard painter scaffolding, in fact, it is the heart and soul of our boat jumping ramp that we're going to construct out here in the lake.

373

00:28:50,000 --> 00:28:55,000

Actually, we're going to build the first part of it here right on this fantastic barge that I'm standing on.

374

00:28:55,000 --> 00:29:00,000

We're going to carry it out to the location and dump it in the water and build the rest of the ramp on top of it.

375

00:29:00,000 --> 00:29:07,000

We never tried anything quite like this before and I'm actually, while I think this work is going to be hard, I'm pretty psyched.

376

00:29:07,000 --> 00:29:16,000

Psyched over scaffolding, whatever floats your boat out, but getting the angle of the ramp right could make or break this myth.

377

00:29:16,000 --> 00:29:26,000

James has crunched the numbers and calculated that at 45 miles an hour, an 18 degree incline should mark the boat more than 70 feet.

378

00:29:26,000 --> 00:29:30,000

But building a ramp this size in the middle of a lake ain't easy.

379

00:29:30,000 --> 00:29:35,000

So, yeah, I think if we just push it off and then use the lines to stabilize it.

380

00:29:36,000 --> 00:29:46,000

Sometimes it's the simplest plans that go horribly wrong.

381

00:29:46,000 --> 00:29:52,000

The base of the ramp is now upside down and submerged six feet under.

382

00:29:52,000 --> 00:29:58,000

It's a battle of will versus water as the team struggled to flip the scaffolding right side up.

383

00:29:58,000 --> 00:30:01,000

Well, we've got the scaffolding on the water sort of.

384

00:30:01,000 --> 00:30:03,000

I mean, it seemed like a good idea at the time.

385

00:30:03,000 --> 00:30:05,000

We just dumped it in.

386

00:30:05,000 --> 00:30:09,000

Now we've got some twisted and torqued metal pieces.

387

00:30:09,000 --> 00:30:11,000

We'll figure it out.

388

00:30:11,000 --> 00:30:16,000

And slowly but surely, the ramp comes together like a massive mechanoset.

389

00:30:16,000 --> 00:30:26,000

We're putting a bunch of anchors out in all directions with cables so they don't stretch and hopefully we'll be able to get it rock solid by the time we cinch everything in tight.

390

00:30:26,000 --> 00:30:32,000

With the ramp looking somewhat sturdy, Adam turns his attention back to his remote control boat.

391

00:30:32,000 --> 00:30:34,000

I know what you're saying to yourself.

392

00:30:34,000 --> 00:30:39,000

You're saying, self, how would you turn a full-size motorboat into a really big remote control toy?

393

00:30:39,000 --> 00:30:40,000

I'll tell you.

394

00:30:40,000 --> 00:30:45,000

All it takes is one of these transmitters which sends some signals to this receiver.

395

00:30:45,000 --> 00:30:50,000

This receiver parses those signals and sends it out to both the throttle and the steering.

396

00:30:50,000 --> 00:30:55,000

In the case of the throttle, this 12-volt battery powers through this switch to this throttle servo here right on the engine.

397

00:30:55,000 --> 00:31:09,000

In the case of the steering, this switch sends power from the 12-volt battery to the steering servo right here on the steering wheel and hopefully allows me to steer this boat through the water, into the ramp, through the air, over the police car and into history.

398

00:31:09,000 --> 00:31:12,000

Now all I need to do is get it in the water and test it out.

399

00:31:12,000 --> 00:31:17,000

Remember, other than the remote control, the boat is exactly like bonds.

400

00:31:17,000 --> 00:31:20,000

That works perfect!

401

00:31:20,000 --> 00:31:27,000

This myth will live or die on Adam's ability to hit the ramp dead on at just the right speed.

402

00:31:27,000 --> 00:31:31,000

As many times as we do this, I don't get used to how much fun it is.

403

00:31:31,000 --> 00:31:38,000

Driving behind an empty ghost speedboat, racing across the lake at 45 miles per hour.

404

00:31:38,000 --> 00:31:40,000

That is exactly the speed we wanted to hit.

405

00:31:40,000 --> 00:31:42,000

The control I have is fantastic.

406

00:31:42,000 --> 00:31:49,000

All that's left at now is to set out our flags for the course we're going to run, make sure the ramp is secure and go for it.

407

00:31:49,000 --> 00:31:53,000

After the break, grad's packing some serious heat.

408

00:31:53,000 --> 00:31:54,000

Going hot!

409

00:31:54,000 --> 00:31:59,000

And James and Adam throw everything they have at Bond's Magnetic Watch.

410

00:31:59,000 --> 00:32:06,000

We've flicked the switch on a magnetic movie myth.

411

00:32:06,000 --> 00:32:13,000

The mythbusters have turned up the dial on James Bond's Magnetic Watch, but the results have left them hanging.

412

00:32:13,000 --> 00:32:18,000

Even a Mondo-sized electromagnet failed to deflect a steel bullet.

413

00:32:18,000 --> 00:32:22,000

Nothing we're trying is affecting the trajectory of any of our bullets.

414

00:32:22,000 --> 00:32:27,000

But like all good secret agents, James has a backup plan.

415

00:32:27,000 --> 00:32:29,000

Super strong permanent magnets.

416

00:32:29,000 --> 00:32:34,000

This is neodymium iron boron, which is the most powerful type of rare earth magnet.

417

00:32:34,000 --> 00:32:36,000

This right here is the bomb.

418

00:32:36,000 --> 00:32:38,000

And it's a super strong magnet.

419

00:32:38,000 --> 00:32:40,000

It's a super strong magnet.

420

00:32:40,000 --> 00:32:42,000

It's a super strong magnet.

421

00:32:42,000 --> 00:32:44,000

It's a super strong magnet.

422

00:32:44,000 --> 00:32:46,000

It's a super strong magnet.

423

00:32:46,000 --> 00:32:48,000

This right here is the bomb.

424

00:32:48,000 --> 00:32:51,000

And if it's worth doing, it's worth overdoing.

425

00:32:51,000 --> 00:32:57,000

The bullet will travel over not one, not two, but ten super strong magnets.

426

00:32:57,000 --> 00:33:00,000

It's one of these magnets that lifts 350 pounds.

427

00:33:00,000 --> 00:33:04,000

It's like adding a lot of extra gravity to this bullet.

428

00:33:04,000 --> 00:33:07,000

I feel like it might actually work.

429

00:33:07,000 --> 00:33:09,000

Tomorrow never dies.

430

00:33:09,000 --> 00:33:11,000

And neither does Adam's optimism.

431

00:33:11,000 --> 00:33:13,000

Even James is feeling confident.

432

00:33:13,000 --> 00:33:19,000

My guess is they're going to actually affect it enough to put a groove in the last magnet as the bullet goes across it.

433

00:33:19,000 --> 00:33:22,000

And it will probably put the bullet in a lower spot on the target.

434

00:33:22,000 --> 00:33:26,000

And three, two, one.

435

00:33:28,000 --> 00:33:30,000

I'm not exactly sure what happened.

436

00:33:30,000 --> 00:33:32,000

Well, I can see that the hole is lower.

437

00:33:32,000 --> 00:33:36,000

The hole does seem to have been affected a little bit lower.

438

00:33:37,000 --> 00:33:44,000

Sure enough, the bullet hole is slightly lower, but there's a whole lot of nothing on the magnet.

439

00:33:44,000 --> 00:33:46,000

No scratch or anything that I can see.

440

00:33:46,000 --> 00:33:47,000

Darn.

441

00:33:47,000 --> 00:33:50,000

Momentum is a powerful thing, James.

442

00:33:50,000 --> 00:33:52,000

Let's check the high speed.

443

00:33:53,000 --> 00:33:58,000

The bullet drops, even flips end on end, but ultimately keeps going.

444

00:33:58,000 --> 00:34:01,000

Bond's still taking one in the chest.

445

00:34:01,000 --> 00:34:03,000

His chance of survival is slim.

446

00:34:03,000 --> 00:34:05,000

That is so close.

447

00:34:06,000 --> 00:34:08,000

I wish we had a little more.

448

00:34:08,000 --> 00:34:11,000

I've actually, I've got a surprise for you.

449

00:34:11,000 --> 00:34:12,000

Wait here.

450

00:34:12,000 --> 00:34:15,000

It's from Adam with love.

451

00:34:15,000 --> 00:34:18,000

Same diameter, three times as thick.

452

00:34:18,000 --> 00:34:23,000

This may look like a hunk of metal, but if I brought this close to that light pole, I could lose my hand.

453

00:34:23,000 --> 00:34:26,000

These just might be the shot in the arm for this experiment.

454

00:34:26,000 --> 00:34:32,000

Three more super magnets means more than 60,000 gauss of total pull.

455

00:34:32,000 --> 00:34:35,000

But Adam wants the results to be indisputable.

456

00:34:35,000 --> 00:34:40,000

I have also added a piece of pristine white tape across the tops of all of these.

457

00:34:40,000 --> 00:34:48,000

So if this tumbling bullet that we saw in the last shot actually hits or touches anything along the way, we'll see it in the tape.

458

00:34:48,000 --> 00:34:51,000

Hey!

459

00:34:51,000 --> 00:34:53,000

I see peeled tape.

460

00:34:53,000 --> 00:34:54,000

You hit the magnet.

461

00:34:54,000 --> 00:34:56,000

It looks like we hit the magnet.

462

00:34:56,000 --> 00:34:59,000

It was sliding right along the magnet when it hit.

463

00:34:59,000 --> 00:35:02,000

And the difference was made by those last three magnets.

464

00:35:02,000 --> 00:35:06,000

Look, it bounced up and hit above.

465

00:35:06,000 --> 00:35:07,000

Our result.

466

00:35:07,000 --> 00:35:13,000

But it took 13 super strong magnets to finally alter the trajectory of the bullet.

467

00:35:13,000 --> 00:35:21,000

Well, this whole spy gadget is predicated on the idea that you can overcome the force of momentum with the force of magnetism.

468

00:35:21,000 --> 00:35:26,000

Now, while we were able to gather up enough magnets to affect the trajectory, we didn't come close to stopping it.

469

00:35:26,000 --> 00:35:30,000

And there's no way you're going to fit our rig wrapped around your wrist.

470

00:35:30,000 --> 00:35:37,000

And if you were going to do it with an electromagnet, you'd need so much power that you'd have to have a small nuclear reactor in the watch battery or something.

471

00:35:37,000 --> 00:35:38,000

You're totally right.

472

00:35:38,000 --> 00:35:39,000

This thing is busted.

473

00:35:39,000 --> 00:35:40,000

Our work here is done.

474

00:35:40,000 --> 00:35:43,000

And let's go get a couple of martinis, James.

475

00:35:43,000 --> 00:36:02,000

The mythbusters have blown holes a mile wide in the myth that 007 could make a propane tank explode using his 9 millimeter handgun.

476

00:36:02,000 --> 00:36:03,000

We've shot it twice.

477

00:36:03,000 --> 00:36:04,000

Haven't been able to puncture it.

478

00:36:04,000 --> 00:36:08,000

It took explosives to create a bond worthy blast.

479

00:36:08,000 --> 00:36:14,000

That was the biggest ball of flame I've ever seen.

480

00:36:14,000 --> 00:36:18,000

But one huge fireball is not enough for the mythbusters.

481

00:36:18,000 --> 00:36:22,000

Bet you guys thought this myth was over and we exploded the propane tanks, huh?

482

00:36:22,000 --> 00:36:26,000

That was an amazing explosion, but there's one thing that's been bothering me.

483

00:36:26,000 --> 00:36:29,000

I mean, we used explosives to blow up the propane tank.

484

00:36:29,000 --> 00:36:31,000

James Bond just used his pistol.

485

00:36:31,000 --> 00:36:35,000

But the fans will say you didn't use incendiary rounds.

486

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

They're illegal in California.

487

00:36:38,000 --> 00:36:41,000

I bet you at Jamie's secret location, they're not illegal.

488

00:36:41,000 --> 00:36:43,000

Yeah, let's go there.

489

00:36:43,000 --> 00:36:48,000

As Adam discovered, Jamie's location is strictly on a need to know basis.

490

00:36:48,000 --> 00:36:49,000

Where are we?

491

00:36:49,000 --> 00:36:51,000

We're right here.

492

00:36:51,000 --> 00:36:56,000

And right here's the perfect setting for a mini gun massacre.

493

00:36:56,000 --> 00:37:01,000

We tried shooting our propane tank with three different guns and trace rounds.

494

00:37:01,000 --> 00:37:02,000

Still no explosion.

495

00:37:02,000 --> 00:37:04,000

But our friends at...

496

00:37:04,000 --> 00:37:10,000

have decided to let us use their Gatling gun with incendiary rounds and a much bigger propane tank.

497

00:37:10,000 --> 00:37:13,000

You know, this just might work.

498

00:37:13,000 --> 00:37:18,000

Incendiary rounds have a lot more firepower than any bullet we've tried.

499

00:37:18,000 --> 00:37:25,000

They're packed with a combustible material at the tip and in the core that burns at a very high temperature.

500

00:37:25,000 --> 00:37:28,000

And using a mini gun might help too.

501

00:37:28,000 --> 00:37:31,000

Now the Gatling mini gun shoots 50 rounds a second.

502

00:37:31,000 --> 00:37:33,000

50 rounds, that's a lot of bullets.

503

00:37:33,000 --> 00:37:37,000

I am pretty sure we're going to be able to explode this propane tank.

504

00:37:37,000 --> 00:37:38,000

It doesn't have a chance.

505

00:37:38,000 --> 00:37:43,000

Let's hope so, Tori, because this is the last chance for the Casino Royale myth.

506

00:37:43,000 --> 00:37:47,000

This is propane tank with incendiary rounds.

507

00:37:47,000 --> 00:37:49,000

Going hot.

508

00:37:50,000 --> 00:37:54,000

In three, two, one.

509

00:38:01,000 --> 00:38:03,000

Whoa!

510

00:38:03,000 --> 00:38:04,000

Hey!

511

00:38:04,000 --> 00:38:05,000

Wow!

512

00:38:05,000 --> 00:38:07,000

That is awesome!

513

00:38:07,000 --> 00:38:09,000

Never say never again.

514

00:38:09,000 --> 00:38:15,000

The first flail of ammo hits and almost instantly the propane set a blaze.

515

00:38:15,000 --> 00:38:17,000

Ah, that was cool!

516

00:38:17,000 --> 00:38:21,000

Finally we found a gun and bullets that will set off a propane tank.

517

00:38:21,000 --> 00:38:28,000

The only thing is that the gun is a mini gun, firing thousands of rounds a minute and the bullets are incendiary.

518

00:38:28,000 --> 00:38:34,000

James Bond didn't have either, so unfortunately this myth is still busted.

519

00:38:34,000 --> 00:38:37,000

That's busted in Royale style.

520

00:38:41,000 --> 00:38:42,000

Coming right up.

521

00:38:42,000 --> 00:38:44,000

There's a lot of pressure on me to get this right.

522

00:38:44,000 --> 00:38:47,000

Adam leaks into Bond's speedboat stunt.

523

00:38:47,000 --> 00:38:49,000

Oh my God!

524

00:38:59,000 --> 00:39:05,000

Way back when in mega movie myths, Jamie and Adam made a leap of epic proportions.

525

00:39:05,000 --> 00:39:14,000

Armed with an RC Chevy, they wanted to know whether a car could do a duke's of hazard inspired jump and land in a drivable condition.

526

00:39:14,000 --> 00:39:17,000

The answer was a resounding no.

527

00:39:18,000 --> 00:39:27,000

Now, in our final test of the James Bond special, our agents of destruction are at it again in a live and let die inspired myth.

528

00:39:27,000 --> 00:39:33,000

The dirt ramp has been replaced with scaffolding, the road with water and the car with a speedboat.

529

00:39:33,000 --> 00:39:37,000

No doubt the chances of something going horribly wrong are horribly high.

530

00:39:37,000 --> 00:39:46,000

The worst case scenario is at the moment this boat hits the ramp, the rails of the ramp go like this, like that and swallow the boat.

531

00:39:46,000 --> 00:39:49,000

Basically running it through a sheet like a wood chipper.

532

00:39:49,000 --> 00:39:59,000

Ah, is now the time to mention that during live and let die, the stunt team trashed 17 boats and made 100 practice runs before perfecting this jump.

533

00:39:59,000 --> 00:40:05,000

Adam's got just one chance to steer the speedboat right at the ramp or the myths dead in the water.

534

00:40:05,000 --> 00:40:07,000

There's a lot of pressure on me to get this right.

535

00:40:07,000 --> 00:40:09,000

We've been out here for three days.

536

00:40:09,000 --> 00:40:12,000

If I don't nail this, we've pretty much wasted our time.

537

00:40:12,000 --> 00:40:15,000

So I feel the pressure, but I like the pressure.

538

00:40:15,000 --> 00:40:16,000

I feel good about it.

539

00:40:16,000 --> 00:40:18,000

I actually feel good about this test.

540

00:40:18,000 --> 00:40:23,000

I feel like I'm going to hit that ramp and I feel like this boat's going to sail beautifully through the air and land on the other side.

541

00:40:23,000 --> 00:40:25,000

I feel pretty optimistic about it.

542

00:40:25,000 --> 00:40:28,000

Like positions right, everything's running.

543

00:40:28,000 --> 00:40:30,000

You feel good about it, Jimmy?

544

00:40:30,000 --> 00:40:32,000

I feel great.

545

00:40:32,000 --> 00:40:35,000

Yeah, a little pressure's off you this time.

546

00:40:35,000 --> 00:40:37,000

Uh-huh.

547

00:40:37,000 --> 00:40:38,000

Good luck, buddy.

548

00:40:38,000 --> 00:40:39,000

Thank you.

549

00:40:39,000 --> 00:40:45,000

Remember, this myth is all about the boat being drivable when it lands.

550

00:40:45,000 --> 00:40:47,000

So hang on to your beret.

551

00:40:47,000 --> 00:40:49,000

It's showtime.

552

00:40:49,000 --> 00:40:52,000

Adam bumps the boat up to 45 miles an hour.

553

00:40:52,000 --> 00:40:54,000

He's got to hit the ramp dead on.

554

00:40:54,000 --> 00:40:57,000

And at this speed, that's like threading a needle.

555

00:40:57,000 --> 00:41:00,000

But remarkably, he's doing just that.

556

00:41:00,000 --> 00:41:05,000

But at the last second, Houston, we have a problem.

557

00:41:05,000 --> 00:41:07,000

I'm hitting over the car.

558

00:41:07,000 --> 00:41:10,000

Oh my God.

559

00:41:10,000 --> 00:41:12,000

And that worked surprisingly well.

560

00:41:12,000 --> 00:41:16,000

I mean, we can probably still use a boat.

561

00:41:16,000 --> 00:41:20,000

Despite James's optimism, there's no doubt that this test went belly up.

562

00:41:20,000 --> 00:41:23,000

The boat's not speeding off into the sunset.

563

00:41:23,000 --> 00:41:25,000

So what went wrong?

564

00:41:25,000 --> 00:41:29,000

In short, we were chasing our RC speed boat at a really perfect clip.

565

00:41:29,000 --> 00:41:33,000

But I think we fell off the wake and went off center.

566

00:41:33,000 --> 00:41:35,000

When we went off center, I lost my aim.

567

00:41:35,000 --> 00:41:39,000

And honestly, I'm glad that I hit the ramp as much as I did.

568

00:41:39,000 --> 00:41:43,000

Considering I had about three or four seconds of no idea where it was going.

569

00:41:43,000 --> 00:41:47,000

Remember, Adam was supposed to hit the ramp dead on.

570

00:41:47,000 --> 00:41:51,000

Then the boat was supposed to fly through the sky over the awaiting police car

571

00:41:51,000 --> 00:41:53,000

and touchdown on the other side.

572

00:41:53,000 --> 00:41:56,000

That way, the Mythbusters would have been able to learn

573

00:41:56,000 --> 00:41:59,000

if it was still drivable once it landed

574

00:41:59,000 --> 00:42:02,000

or would the hull have been ripped to pieces.

575

00:42:02,000 --> 00:42:07,000

Unfortunately, Adam's last second lack of control meant the boat flipped.

576

00:42:07,000 --> 00:42:11,000

And the chance of accurately answering this myth flopped.

577

00:42:11,000 --> 00:42:15,000

It's not exactly what we hoped for, but the hull is intact.

578

00:42:15,000 --> 00:42:18,000

I looked at it carefully. It's good as new.

579

00:42:18,000 --> 00:42:21,000

So what does that tell us?

580

00:42:21,000 --> 00:42:24,000

It means that you could actually make a jump like this and survive it.

581

00:42:24,000 --> 00:42:27,000

Despite the jump going off the rails,

582

00:42:27,000 --> 00:42:31,000

is it possible to salvage a conclusion to this myth?

583

00:42:31,000 --> 00:42:33,000

I think we have to call it plausible.

584

00:42:33,000 --> 00:42:35,000

The boat held up quite well.

585

00:42:35,000 --> 00:42:38,000

It was a little funny flip thing, but I got to say,

586

00:42:38,000 --> 00:42:40,000

I think it would have landed just fine.

587

00:42:40,000 --> 00:42:43,000

It cleared the barge with the car on it.

588

00:42:43,000 --> 00:42:46,000

Based on the evidence we have, I would agree.

589

00:42:46,000 --> 00:42:48,000

I'd call this one plausible.

590

00:42:48,000 --> 00:42:51,000

Let's go try and get that boat out of the water.

591

00:42:51,000 --> 00:42:54,000

We need to practice a little more before we do that again.

592

00:42:54,000 --> 00:42:56,000

Music plays

593

00:42:56,000 --> 00:42:59,000

Music plays

594

00:43:04,000 --> 00:43:07,000

Snap out of a buster bond!

595

00:43:07,000 --> 00:43:09,000

Music plays

596

00:43:09,000 --> 00:43:13,000

I don't think Double-O Buster's going to make it to the next bond installment.

597

00:43:13,000 --> 00:43:15,000

He's been burned, drowned.

598

00:43:15,000 --> 00:43:18,000

How much more punishment can a secret agent take?

599

00:43:18,000 --> 00:43:20,000

Well, there's got to be a million more spy myths that we can test.

600

00:43:20,000 --> 00:43:24,000

If you have any of those spy myths, log on to [discovery.com](http://discovery.com).

601

00:43:24,000 --> 00:43:27,000

I'm going to call the busters and give him another shot.

602

00:43:27,000 --> 00:43:29,000

Come on, buddy!