



SPEED
745
KM/H

ALTITUDE
3.7
KM

STAGE 2 TELEMETRY



T+ 00:00:41
SPACEX CREW DEMO-1

1

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

NASA launch commentator: Ten, nine, eight,
seven, six, five, four, three, two, one, zero,

2

00:00:12,160 --> 00:00:15,040

ignition, liftoff.

3

00:00:20,960 --> 00:00:27,040

Flight commentator: Vehicle is pitching downrange.

4

00:00:53,280 --> 00:00:58,710

Stage one throttle bucket.

5

00:00:58,720 --> 00:01:01,400

Power and telemetry normal.

6

00:01:05,400 --> 00:01:08,840

Commentator: For those of you
just joining us, you are watching a live view

7

00:01:08,840 --> 00:01:13,160

of the Falcon 9 rocket as it ascends through
the atmosphere, carrying the SpaceX Dragon

8

00:01:13,170 --> 00:01:14,670

capsule to orbit.

9

00:01:14,670 --> 00:01:22,039

The vehicle just passed through Max Q, which
is the point of maximum aerodynamic pressure

10

00:01:22,039 --> 00:01:24,259

on the vehicle.

11

00:01:24,259 --> 00:01:28,500

As you can hear in the background, the excitement
at SpaceX headquarters is unbelievable here.

12

00:01:28,500 --> 00:01:33,939

Flight commentator: Stage one throttle is passing through Max Q.

13

00:01:33,939 --> 00:01:37,659

You heard that callout for Max Q on the nets.

14

00:01:37,659 --> 00:01:41,990

The Falcon 9 actually throttles down its nine Merlin engines to reduce aerodynamic loads

15

00:01:41,990 --> 00:01:42,990

on the vehicle.

16

00:01:42,990 --> 00:01:51,579

It is now throttling those engines back up.

17

00:01:51,579 --> 00:01:56,740

Coming up at T-plus two minutes and 35 seconds is going to be three events in quick succession.

18

00:01:56,740 --> 00:01:59,749

The first one is going to be the main engine cutoff, or MECO.

19

00:01:59,749 --> 00:02:04,090

That's when the nine Merlin one v engines that you can see on your screen right now

20

00:02:04,090 --> 00:02:11,810

will cut off shortly before a stage separation at two minutes and 38 seconds.

21

00:02:11,810 --> 00:02:15,640

Shortly after that, the Merlin vacuum engine on the bottom of the second stage of the Falcon

22

00:02:15,640 --> 00:02:19,020

9 will ignite and will be called second engine

start, or SES.