

UPCOMING LAUNCH

# KOREA 425 MISSION

WATCH

SpaceX is targeting Friday, December 1 at 10:19 a.m. PT for a Falcon 9 launch of the **Korea 425 mission** to low-Earth orbit from Space Launch Complex 4 East (SLC-4E) at Vandenberg Space Force Base in California.

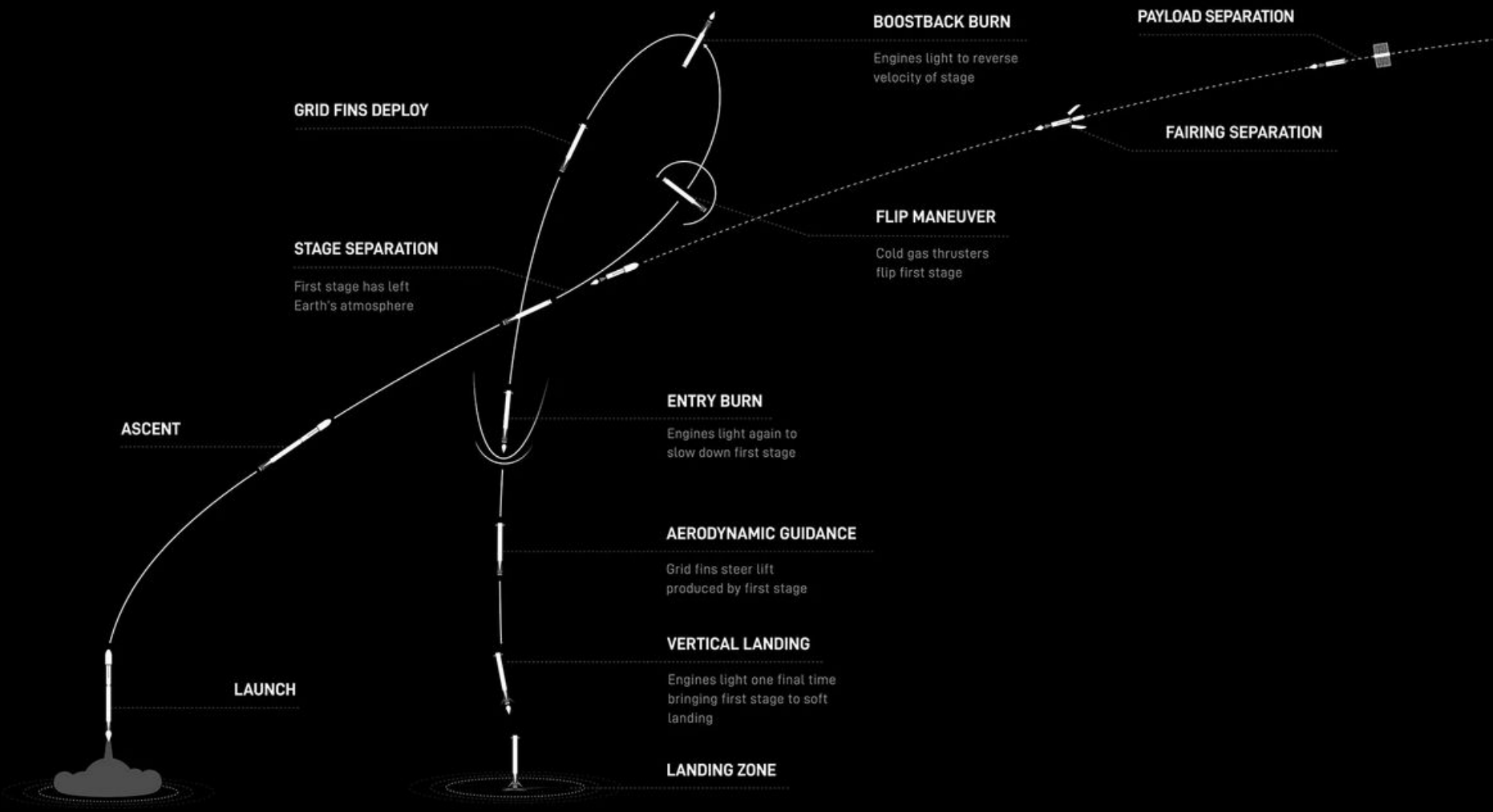
A live webcast of this mission will begin on **X @SpaceX** about 15 minutes prior to liftoff. **Watch live.**

There are a total of 25 spacecraft on board this mission, including KOREA's 425, Space BD's ISL48, SITAEL's uHETSat, D-Orbit's ION SCV Daring Diego, York Space Systems' Bane, and PlanetIQ's GNOMES-4.

This is the 17th flight of the first stage booster supporting this mission, which previously launched Crew-1, Crew-2, SXM-8, CRS-23, IXPE, Transporter-4, Transporter-5, Globalstar FM15, ISI EROS C-3, and seven Starlink missions. Following stage separation, the first stage will land on Landing Zone 4 (LZ-4) at Vandenberg Space Force Base.

## COUNTDOWN

HR/MIN/SEC	EVENT
00:38:00	SpaceX Launch Director verifies go for propellant load
00:35:00	RP-1 (rocket grade kerosene) loading begins
00:35:00	1st stage LOX (liquid oxygen) loading begins
00:16:00	2nd stage LOX loading begins
00:07:00	Falcon 9 begins engine chill prior to launch
00:01:00	Command flight computer to begin final prelaunch checks
00:01:00	Propellant tank pressurization to flight pressure begins
00:00:45	SpaceX Launch Director verifies go for launch
00:00:03	Engine controller commands engine ignition sequence to start
00:00:00	Falcon 9 liftoff



## COUNTDOWN

All Times Approximate

HR/MIN/SEC	EVENT
00:01:12	Max Q (moment of peak mechanical stress on the rocket)
00:02:19	1st stage main engine cutoff (MECO)
00:02:22	1st and 2nd stages separate
00:02:30	2nd stage engine starts
00:02:36	1st stage boostback burn start
00:02:41	Fairing deployment
00:03:13	1st stage boostback burn end
00:06:42	1st stage entry burn start
00:07:04	1st stage entry burn ends
00:07:51	1st stage landing burn start
00:08:22	1st stage landing