Elon Musk’s Mars rocket blew over because it’s a prototype that is much lighter and smaller than the craft that will go to red planet, say experts

- Nose cone of the rocket ship was knocked over due to 50mph winds in Texas
- Musk’s Starship is destined to ferry people and cargo between Earth and Mars
- Top wind speeds on Mars can reach up to 60mph but this rocket is only a model
- The nose cone was hollow and welded into place on the base with fuel tanks
- Final models will be much heavier and sturdier with a different centre of gravity

By JOE PINKSTONE FOR MAILONLINE

Elon Musk’s plans of easy travel between Mars and Earth have taken a significant hit after his Starship prototype known as ‘Hopper’ was toppled by a stiff Texan breeze.

The spacecraft’s entire hollow nosecone broke off, fell to the ground and was damaged by the gusts of wind.

Hopper is a prototype that will test and prove the take-off and landing systems of Starship at altitudes ranging from 1,500 feet to 16,400 feet.

It is never designed to go outside of Earth’s atmosphere and the final version, the one destined for Mars, will be taller, heavier, sturdier and more robust, experts say.
Scientists say it is possible the machine would be able to fly without the now-damaged fairing as all essential machinery is in the base.

The nosecone fairing was hollow and simply welded on top to improve aerodynamics and provide the appearance and aesthetic of a completed rocket.

Experts say failure of the prototype was ‘inevitable’ as SpaceX continues to break new ground in the quest to conquer commercial space flight.

Starship’s final incarnation will eventually ferry cargo and passengers to and from the red planet, according to SpaceX’s maverick billionaire founder.

Musk’s rocket suffered significant damage after its nose cone crashed to Earth in the 50mph (80kph) winds - 10mph (16kph) less than the top wind speed possible on Mars, Starship’s future destination.

Scroll down for video

Aftermath: The nose cone of Elon Musk’s Mars rocket prototype known as ‘hopper’ was knocked off on Wednesday by strong winds rolling through Texas. Experts say failure of the prototype is ‘inevitable’ as SpaceX continues to break new ground in the quest to conquer commercial space flight.

Elon Musk
@elonmusk

Replying to @nextspaceflight and @Teslarati

I just heard. 50 mph winds broke the mooring blocks late last night & fairing was blown over. Will take a few weeks to repair.

9:57 AM Jan 23, 2019 · Twitter for iPhone

Musk’s rocket suffered significant damage after its nose cone crashed to Earth in the 50mph winds - 10mph less than the top wind speeds on Mars.
Elon Musk's Mars rocket blew over because it's a prototype | Daily Mail Online

'It could probably fly without the fairing. The fairing has the benefit that it creates an aerodynamic force when being tested and so will give better data to the engineers.

'It also makes the vehicle look more like a spacecraft. The fairing is very light which explains why it was easily blown over when not attached to the base.'

Hopper was once a svelte rocket that resembled the contraption Tintin used in the 1954 adventure 'Explorers on the Moon' but has since been amputated by the catastrophe.

It received the nickname as a result of the prototype's goal to 'take off, ascend vertically to a low altitude, and then descend back to its original landing spot,' according to Federal Communications Commission documents.

Musk said the orbit-capable spacecraft will be made around June.

A short protective half-dome cap has been added to the top of the rocket to prevent any further damage.

The fairing that blew off is believed to have been detached from the base where the fuel tanks reside.

Rocket scientists remain unphased by the hiccup.

Dr Viktor Fedun, a solar physicist at the University of Sheffield's Department of Automatic Control and Systems Engineering (ACSE), told MailOnline: 'We follow the developments of SpaceX enthusiastically, and we're really amazed by their achievements.

'The idea to build a big Falcon rocket is amazing. The failure of the prototype is just part of the design process.

'We too recognise that failure is an inevitable part of the road to success, as is true of Musk's latest venture.

'Musk has great vision and he's on the right track. We're really looking forward to his continued success – developing innovations in rocket travel in space, between planets, and on earth between cities.'

Elon Musk said the damage is easy to repair and should be fixed in a matter of weeks.

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Construction operations resumed yesterday and a half-dome cap was put on top of the rocket until a new nose cone will be placed on top. The nose cone was hollow and welded into place on the base with fuel tanks.

Looks to me like the Moon rocket by Hergé in The Adventures of Tintin, Destination Moon written in 1953.

Twitter users pointed out the similarities of Musk's creation with the contraption Tintin used in the 1954 adventure 'Explorers on the Moon' (left) and the arcade space ship in Toy Story (right).

WHAT IS ELON MUSK'S 'BFR'? 

The BFR (Big F***ing Rocket), now known as Starship, will complete all missions and is smaller than the ones Musk announced in 2016.

The SpaceX CEO said the rocket would take its first trip to the red planet in 2022, carrying only cargo, followed by a manned mission in 2024 and claimed other SpaceX's products would be 'cannibalised' to pay for it.

The rocket would be partially reusable and capable of flight directly from Earth to Mars.

Once built, Musk believes the rocket could be used for travel on Earth - saying that passengers would be able to get anywhere in under an hour.
Elon Musk’s metal Tintin rocket blown over by high winds

The rocket in subject is a prototype intended to fly to probably a few hundred meters altitude and then return and land,’ Zsombor Sápi, PhD student at the materials and structures research centre at the University of Bath, told MailOnline.

‘It will be used for the validation of the new engine and its landing capabilities.'
For such a structure, which doesn't have to experience the same loads as the final version that will reach orbit, it is acceptable not to have the same flight-ready structural integrity.

Also that is why we can see wrinkles on the steel panels.

Moreover, this prototype currently doesn't have all the internal components assembled in it, such as avionics and a filled fuel tank.

These parts change the centre of gravity of the rocket, and therefore it will become much more stable.

A rocket staying on the launch pad and about to be launched is nowhere near to be able to be blown over by wind.

Last month Elon Musk revealed images of the 120-foot tall Starship hopper test rocket prototype.

The maverick billionaire entrepreneur unveiled his retro-styled spacecraft which has drawn comparisons to sci-fi films from the 20th century.

Twitter users pointed out the similarities of Musk's creation with the contraption Tintin used in the 1954 adventure 'Explorers on the Moon'.

Others said the sleek design and prominent fins closely resemble spaceships depicted in 1950s/60s films, Wallace and Gromit and even Toy Story.

SpaceX founder Musk shared the first real images of the prototype from its Texas launch site and reassured his followers it is 'not a rendering'.

'This is for suborbital VTOL (vertical take-off and landing) tests,' Mr Musk explained.

'Orbital version is taller, has thicker skins (won't wrinkle) & a smoothly curving nose section.'

This particular model will be used to test short launches and landings.

Earlier this month, the billionaire said SpaceX was aiming to carry out test flights within four weeks, but admitted it could be as long as eight weeks when unforeseen issues are factored in.

Responding to questions from space enthusiasts, Mr Musk said that the first orbital prototype should be ready by June.

The SpaceX founder also added that the real, finished version would '[obviously] have windows, etc.'

This work is taking place at both SpaceX headquarters in Hawthorne, California, and the company's test site in South Texas, near the border city of Brownsville, where the first flights will take place.

WHAT IS THE 'HOPPER' prototype?

The prototype, known as a 'hopper', is set to be used to test the propulsion systems in the rocket before a full scale prototype is built.

It is shorter and has a thinner outer layer than the final version will.

It received the nickname as a result of the prototype's goal to 'take off, ascend vertically to a low altitude, and then descend back to its original landing spot,' according to a SpaceX's application with the FCC prior to testing.

SpaceX is planning tests of the prototype at both low and high altitudes.

Low altitude tests will take place up to three times a week and reach no higher than 1,500 feet (500 metres) on flights lasting no more than 100 seconds.

High-altitude tests will take place weekly and reach heights of up to 16,400 feet (5,000 metres).

These will last for up to six minutes at a time, the FCC application revealed when filed back in November.

Cheryl sends fans into a spin as they spot mystery man in sultry snap posted by the star from Greatest Dancer studios

Coronation Street SPOILER: Shona Ramsey’s life hangs in the balance as she is held at KNIFEPOINT by killer son Clayton

Kylie Jenner shares behind-the-scenes video of lingerie photo shoot... after admitting she’s sick with ‘strep throat’

Olivia Colman fails to appear at another star-studded ceremony as The Favourite star loses out to Glenn Close in leading actress category at SAG Awards

Jason Bateman tells his young daughters ‘I’ll be home for kisses’ in emotional speech after winning first SAG after EIGHT nods

SAG Awards 2019: Emily Blunt looks sensational in pink as she leads the British glamour alongside Rachel Weisz and Catherine Zeta Jones

Timothée Chalamet sends the internet wild as he’s caught READING during star-studded SAG Awards

Musk may have been inspired by the 1950 film 'Destination Moon', where a group of actors discuss a model space rocket (pictured). The films surprisingly accurate prediction of space travel won an Academy Award for Best Special Effects.

Atomic illustration of a man and woman riding a rocket in space from the 1940s bears a striking similarity to Musk's 2019 rocket which he says will reach space later this year.
Elon Musk's Mars rocket blew over because it's a prototype | Daily Mail Online

I love SpaceX and their people are amazing but it does look like a Wallace and Gromit rocket but I'm sure it will be immense

After its unveiling on social media the tech tycoon's Starship drew immediate comparisons to fictional rockets. One twitter user said: 'I love SpaceX and their people are amazing but it does look like a Wallace and Gromit rocket but I'm sure it will be immense' (pictured)

After its unveiling on social media the tech tycoon's Starship drew immediate comparisons to fictional rockets.

One user, known as John Drury, pointed out the similarities to the Toy Story rocket which is hope to 'the claw' and, briefly, Buzz and Woody.

He tweeted: 'Lol wow. Reminds me of the rocket ship in Toy Story'

One twitter user also said: 'I love SpaceX and their people are amazing but it does look like a Wallace and Gromit rocket but I'm sure it will be immense.

The latest images provide a clearer view of the two components previewed by Musk at the end of last month, showing engineers in cherry-pickers at work on the nose cone and another large piece of the system.

A large American flag can be seen plastered on the side of one of the huge metal cylinders.

The progress comes as SpaceX ramps up work on the test hopper ahead of planned flights later this year.

Ariana Grande flaunts abs in a sports bra... as her ex Pete Davidson poses for selfies with fans at Sundance

Ariana and ex Pete both appeared happy

Charlie Heaton supports girlfriend Natalia Dyer on the red carpet at the Sundance premiere of Velvet Buzzsaw

Stranger Things stars

Emma Stone makes her relationship with boyfriend Dave McCary official as she brings the SNL writer as her SAG Awards date

Finally made it official

Lady Gaga rocks Dior gown that debuted on the catwalk just a few days ago... as fashion forward star attends the SAG Awards

Stunning

Michael B Jordan and Laura Harrier get flirty backstage at the SAG Awards... after her role as his wife was cut from Fahrenheit 451

Gorgeous pair

Glenn Close wears family ring to honor late grandmother who 'wanted to be an actress but was not allowed' on SAGs red carpet

Paying tribute

Christian Bale and wife Sibi Blazic vie for best-dressed couple as they coordinate in black for SAG Awards

They made for a handsome couple

SAG Awards 2019: Gemma Chan looks sensational in a showstopping pink ruffled gown as she runs into her pal Richard Madden

Amy Adams dazzles in ruffles at SAGs Awards as she talks unwinding after intense Sharp Objects scenes and singing in character on Vice

https://www.dailymail.co.uk/sciencetech/article-6631675/Rocket-experts-say-failure-inevitable-Hopper-lander-falls-over.html?ns_mchannel=rss&ns_campaign...
Elon Musk's Mars rocket blew over because it's a prototype | Daily Mail Online

A closer look at the damaged nose cone pictured above on Thursday in Brownsville, Texas

The massive nose cone pictured lying on its side after it crashed to the ground in the wind

Tracy Morgan jokes he's 'set for life' as he pokes fun at his near-fatal car wreck... after dapper arrival at SAGs with wife Megan Wollover

Mandy Moore is all class in dazzling black strapless gown as This Is Us wins best ensemble at 2019 SAG Awards

Gorgeous

Catherine Zeta-Jones reveals how Michael Douglas 'likes to watch me tap dance'... as the two arrive for SAG Awards

Candid

Robin Wright, 52, rolls back the years as she goes braless in plunging metallic gown at the SAG Awards

Robin was among the top showstoppers

Queen of the red carpet! Margot Robbie stuns in plunging white-and-gold gown as she arrives at the SAG Awards in Los Angeles

Dressed to impress

Fatal Attraction reunion! Glenn Close and Michael Douglas present together at SAG Awards three decades on

Reunited

Constance Wu shimmers in strapless silver Oscar de la Renta gown as she arrives at SAG Awards 2019 in style

Crazy Rich Asians star

Rumer Willis denies being Lion on The Masked Singer as she paints the town red in stunning gown at SAG Awards

Turning heads

The Americans’ Keri Russell and Matthew Rhys console each other after SAG Awards loss

The duo are a couple on and off the screen

Rachel Brosnahan and The Marvelous Mrs Maisel cast win big at SAG Awards (and now they want a pay rise)

Rachel paid tribute to the extras

Dancing On Ice: Grease star Didi Conn is the third celebrity to be eliminated... as she rushes back to the US to be by her sick husband’s bedside
Elon Musk's Mars rocket blew over because it's a prototype | Daily Mail Online

Before the fall: The SpaceX prototype Starship hopper stands at the Boca Chica Beach site in Texas on Saturday, Jan. 12, 2019, seen from Texas Highway 4.

Starship – previously known as BFR, Big Falcon Rocket, or the Big F***ing Rocket – is key to Musk's plans to send humans to Mars.

Musk tweeted out the first photo at the end of December, captioning it simply, ‘Stainless Steel Starship.’

In a series of tweets that followed, however, the CEO elaborated on the plans for the test vehicle.

The first crewed Red Planet mission for the rocket and 100-passenger Starship could come as early as the mid-2020s if development and testing go well, Musk has said.

Just last month, the SpaceX boss doubled down on his earlier claims that he would likely be among the interplanetary travellers who make the trip to Mars, despite there being a ‘good chance’ that he’ll die there.

Tickets on Elon Musk's spaceship to Mars will cost around $200,000 per person.
SpaceX shared new details about the 387ft rocket in September, saying it hopes to begin unmanned launch tests of the spacecraft in late 2019.

In the future, Starship will be able to carry out lunar missions as well as long-distance flights to Mars and beyond.

The firm hopes to stage an uncrewed flight to Mars in 2022, then a manned flight in 2024.

In between those missions, SpaceX has planned for a private mission with a passenger on board in 2023.

'We would like to put large cargo on the surface of the moon by 2022,' SpaceX chief operating officer Gwynne Shotwell said recently.

'And we have our eyes on the prize to send people to Mars in 2024.'

Elon Musk's Mars rocket blew over because it's a prototype | Daily Mail Online

Elon Musk claims new Tesla Roadster hovers like DeLorean car

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Hundreds feared dead in Brazilian dam disaster as death toll reaches 58 and 300 people still missing are 'unlikely to be alive'

So far 58 people have been officially confirmed to have died in the disaster which took place when a dam collapsed on Friday last week near the Brazilian city of Brumadinho.

On a clear day you can see France! Italian-style villa with four bedrooms and stunning view over the Channel goes on sale for £1.6million

'Humiliated' head chef at Marco Pierre White's restaurant chain sheds ten stone after being 'shamed' at work and labelled at 'fat f***' in front of his colleagues
Hundreds join search for missing reveller, 22, who was last seen 'running away from a gang of lads' outside a pub on night out

Hundreds of people met at Yarm School in North Yorkshire this morning to search for Luke Jobson after his family appealed for help finding him on Facebook.

Woman, 18, who fell pregnant a MONTH after meeting her 51-year-old boyfriend admits strangers mistake him for her father - but they're now set to marry after welcoming their second...

Isabella Sainz, 20, from Florida, has two children with fiance Joseph Conner, who at 53 - is more than three decades older than her. She is also nearly 15 years younger than his eldest child.

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'Shumiliated' head chef at Marco Pierre White's
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Crowdy Fan

Kylie Jenner dazzles in a deep plum cropped wig as the star promotes her new Valentine's day cosmetics campaign Glamorous

Femail

Norman Reedus, 50, shares sweet photo of his daughter's bare foot as he spends lazy Sunday doting on baby girl he shares with Diane Kruger

Crowdy Fan

Charlize Theron looks super stylish in Fedora hat as she steps out on shopping trip to Farmers Market with her eldest child Jackson, 7 Chic

Femail

Dame Helen's best support act! Actress, 73, becomes latest star to embrace thigh-slimming 'shapewear' favoured by Beyonce and Jennifer Lopez

Femail

Kourtney Kardashian enjoys lunch with Harry Hudson and her children before going to Kanye West's Sunday Service Spiritual

Femail

I'm going to try and top it!' Smitten Liam Hemsworth hints at romantic Valentine's Day plans with Miley Cyrus and reveals new details about wedding

Femail

The Golden Girls! Rachel Bloom lives it up with Glow's Rebekka Johnson and Kimmy Gatewood at the SAG Awards Loving life

Femail

Arnold Schwarzenegger, 71, puts on a loved-up display in Austria with his girlfriend Heather Milligan, 43 Braving the cold

Femail

TOWIE's Chloe Meadows shows off her ample cleavage and toned abs in a mismatched bikini as she shares throwback snap

News

Supermarket owners are spared jail after boy, four, was ELECTROCUTED by faulty till as he helped his father pack the shopping in Germany

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The young victim, named as Jonathan, was shopping with his dad at the Adese Supermarket in Hamburg, Germany. A police investigation confirmed he died from an electric shock at the till.

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The Project Calf map of dairy farms in England and Wales has been published listing farmers' details just days after a similar stunt by Animal rights group Aussie Farms in Australia.

Heartbreaking Photos of the Real Titanic
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Supermarket owners are spared jail after boy, four, was ELECTROCUTED by faulty till as he helped his father pack the shopping in Germany

The young victim, named as Jonathan, was shopping with his dad at the Adese Supermarket in Hamburg, Germany. A police investigation confirmed he died from an electric shock at the till.

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Police officer was allowed to move 260 miles and start his own dog training business while he was off sick on full pay for two-and-a-half years

PC Gary Parkinson was encouraged by Greater Manchester Police (pictured, its HQ) to find a new occupation while their occupational health department considered his medical retirement.

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Simon Webbe has revealed his brother Stran took his own life two months ago after a mental health struggle.

British woman Laura Plummer, 34, is released from Egyptian prison

Megan Barton Hanson breaks down in tears and is consoled by friends at pub during night out... hours before announcing split from Wes Nelson

Scarlett Moffatt would 'love' to be on Strictly Come Dancing... after years spent winning ballroom trophies and being coached by Anton Du Beke

Miley Cyrus, Robin Thicke, and Camille Grammer’s Malibu homes pictured still in ruins following destructive Woolsey fire

Ooh la la, I snaffled Deneuve’s shoes at sale of century: Catherine Deneuve’s auction of Yves Saint Laurent treasures made a million dollars

Alec Baldwin is every inch the doting dad as he spends quality time with his wife Hilaria and their children during zoo outing
Happy families

Strictly’s AJ Pritchard, 24, ‘desperate to pursue romance with Caroline Flack, 39’ after their ‘passionate kiss’ at NTAs

Kenya Moore shares heart-warming snap of daughter Brooklyn wriggling in her crib as she celebrates her three-month’ birthday
Real Housewives star

Gwen Stefani reveals a red mark on her neck as the No Doubt singer heads to church service with her sons in Los Angeles
Ouch

Jamie O’Hara splits from fiancée Elizabeth-Jayne Tierney for second time as he rants ‘stick with people who inspire you not the ones who tear you down’

Jason Ritter quietly welcomes first child with fiance Melanie Lynskey
The couple have not yet announced the birth of their child

Royal biographer claims that 'down to earth' Harry becomes 'high maintenance' when he’s with Meghan - and says palace staff now find him ‘aloof’

Kyle Richards TWERKS on a table before dropping into the SPLITS alongside Real Housewives at Andy

after serving 14 months for possessing illegal painkillers
Laura Plummer (pictured) was jailed for three years in December 2017 after she was found carrying 290 Tramadol tablets in her suitcase when...

1,4k comments 1 video

Missing red panda is found safe and well a mile away from Belfast Zoo after it escaped and spent more than 12 hours on the run
Police in Northern Ireland said the animal had disappeared on Sunday and was believed to be hiding in nearby Glengormley. Pictured: a red...

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Driver tries to pretend his £1,000 Renault Megane is a MERCEDES then parks it (badly) in disabled bay without a badge
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Skys presenter Jacqui Beltrao, 53, reveals she’s had an £11k facelift to ‘prolong her career’ after chemo aged her appearance – and...
The former Olympic gymnast, 53, went under the knife at an exclusive clinic on London’s Harley Street just before Christmas and says she...

26 comments

Palace staff are forced to spend hours moderating ‘hundreds of thousands’ of vile sexist and racist online comments aimed at Kate and Meghan...
The Duchess of Cambridge and the Duchess of Sussex have been subjected to violent threats on social media channels such as Instagram.

217 comments 1 video
Rattled Irish deputy PM claims the EU will NEVER let the UK drop the hated backstop from Brexit deal – but ministers accuse him of BLUFFING...

Simon Coveney said even if EU states agreed to abandon the mechanism for guaranteeing there will not be a hard border between Northern...

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'Doing this with you has completely pierced my heart': Emily Blunt leaves her husband John Krasinski - and millions of viewers - in tears...

Emily Blunt was perhaps the most shocked person in the room when Chris Pine announced that she won Outstanding Performance by a Female Actor...

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238 comments 4 videos

And the best actress is 'Gary Oldman'! Bizarre moment Christian Bale shouts out his British counterpart's name in the middle of the SAGs...

Guests at the Screen Actors Guild Awards were as well as audiences watching at home were confused by Christian Bale's surprise outburst...

56 comments 3 videos

Lady Gaga wins the battle of the plunging neckline alongside Catherine Zeta Jones, Margot Robbie and Robin Wright on SAG Awards red carpet

She has been the belle of the awards show season. And Lady Gaga did indeed have all eyes on her as she led the way for the best dressed...

1k comments 22 videos

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PPI Wise

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Ancestry

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Finance Nancy

Cardi B jokes that she’s a ‘little pornstar today’ as she performs for adult film stars in VERY racy blue glitter lingerie at AVNs in Las Vegas

Miley Cyrus and Liam Hemsworth look more in love than ever as they step out for their first public appearance since secret wedding

Lady Gaga and Bradley Cooper put on a passionate performance as they reunite for surprise duet of A Star Is Born’s Shallow on her Enigma tour

Faye Tozer says she felt ‘emaciated’ at 9 stone before Christmas and reveals she’s ‘not conscious of my tummy anymore’ following Strictly stint

'I feel like I've been given a second shot' says The Saturdays’ Mollie King whose career has soared since Strictly

Slash, 53, details his wild past in Guns "n" Roses... before revealing his new album is a 'comment' on American politics

Gigi Hadid shows off her quirky sense of style in Paris as she leaves luxury hotel in black sweat pants and statement designer shades

Vogue Williams is in high spirits as she walks pet pooch in rainy London after three blissful weeks in St Barts for family holiday

Bianca Gascoigne wows in black leather mini dress for romantic date with new beau

Stephen Martorana ... but he covers his face

Welcome to the gun show! Hollywood hunk Alexander Skarsgard puts his bulging biceps on display while sitting courtside at the Australian Open

A fashionable day out! Eric Bana and his wife Rebecca rub shoulders with Vogue editor Anna Wintour at the Australian Open

Courting attention! Rose Byrne and Bobby Cannavale can't contain their excitement as they cheer on Rafael Nadal at...
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Inside the Beckhams' chic £31.5million London mansion: Complete with dramatic marble staircase, stylish monochrome decor and an enviable...

The couple splashed out £3million on renovating their townhouse, which they bought in September 2013, creating a host of home improvements...

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Doctors remove poisonous CATFISH from man's throat after he tried to swallow it during drinking game and was left vomiting blood

A 28-year-old man from the city of Vlaardingen in the Netherlands tried to swallow a bronze catfish with a mouthful of beer but the fish...

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Supermarket owners are spared jail after boy, four, was ELECTROCUTED by faulty till as he helped his father pack the shopping in Germany

The young victim, named as Jonathan, was shopping with his dad at the Adese Supermarket in Hamburg, Germany. A police investigation...

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Mother-of-three tells of her stalker hell with echoes of hit Netflix drama YOU as stranger who followed her for 10 years, bombarded her with...

Lorraine Mitchell, 54, was first approached by Sherzad Salih in a car park as she left her office
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Uber driver's fury after he is slapped with a £130 fine after his broken-down car is taken into bus lane on back of a TOW TRUCK

Mustafa Azman's Vauxhall Insignia broke down in central London on December 21. The City of London has now cancelled the fine and apologised...

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'Viral marketing at its sickening finest': Apprentice winner Dr Leah Totton faces angry backlash after offering free surgery to Everton fan...

Everton supporter Jay Burns said he 'can't even look at myself in the mirror' after he was left with more than 20 stitches after the fight...

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Shockingly new Sundance documentary makes the staggering claim that an ex-mercenary group secretly spread HIV in South Africa to 'eradicate'...

'Cold Case Hammarskjold' a documentary by Mads Brügger at Sundance claims a mercenary group secretly spread HIV in South Africa to...

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Almost all of the UK's best-selling cars can be 'unlocked in minutes' by cheap gadgets bought online as watchdog warns of spike in 'keyless'...

Almost all of the UK's best-selling cars are at risk of keyless theft, a study shows. The vehicles can be unlocked and started in minutes...

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Inside the crumbling remains of the former detention centre where notorious child killers including Jon Venables and Mary Bell were housed

The Red Bank Community Home in Warrington first opened in 1965 and new eerie photos give a sneak peak as to what life may have been like...

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Has MeToo caught up with Michael Jackson beyond the grave? Shocking new film that alleges pop star sexually abused two boys for years could...

A bombshell four-hour documentary film reveals the harrowing extent of Michael Jackson's sexual abuse by examining the allegations from two...

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The 'world's loneliest duck' is killed by a dog: Trevor the mallard, the only bird of its kind on small Pacific island, is mourned by locals...

The Pacific island of Niue is mourning the loss of its only duck after he was attacked by a dog and found dead in a bush.

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What a start to our spring clean!
More than 14,000 people join Daily Mail's litter clear-up in just 48 hours as Theresa May backs the...

The Great British Spring Clean, in partnership with Keep Britain Tidy, aims to recruit an army of public-spirited readers for the war on...

7 comments

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The Claims Geeks

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Factaholics

Why we joined the coast to coast clean-up: The inspiring stories of those who spearheaded the war on litter last year
Last May, volunteers from across the UK turned out in force for the Daily Mail's Great Plastic Pick Up and many of them have been quick to...

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'Stop the devastation being caused by littering': Adventurer and Chief Scout BEAR GRYLLS backs the Mail's Spring Clean campaign as he...
BEAR GRYLLS reveals how he became sad growing up on the Isle of Wight when he saw litter and rubbish strewn across some of the beautiful...

2 comments

Secret to being happy at 48? Bag Britain's most eligible bachelor! SUSANNA REID reveals how she's ditched drinking, lost 21lb since August...
Susanna Reid, 48, who currently co-hosts ITV's Good Morning Britain alongside Piers Morgan told how she juggles early morning starts with...

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GADGET REVIEWS

iPad Pro review: Apple takes the tablet to new heights (at a price)

Apple's new iPad is blazingly fast, gorgeous to look at, and quite simply the best tablet out there - and for a lot of people, probably the best computer out there.

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The small smart display with big potential: Google Home Hub review

Google is late to the game with its Home Hub, but the low price and AI features make it a great choice for controlling your home, showing pictures and even helping run your life.

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'Good enough for most people': iPhone XR review

On one hand, the XR lacks the high-resolution screen and dual-lens camera on the XS, but it is $250 cheaper and still get most of the other cutting-edge features found on the more expensive model.

199 comments 1 video

The Pixel 3 outs mains the iPhone (IF you trust Google with all your information)

AI seems to permeate every part of its software, from the ability to answer calls for you to being able to almost perfectly predict your morning commute.

comments 1 video

Bigger and better in every way: Apple's XS really does take the iPhone to the Max

Apple's new iPhone XS and XS Max go on sale on Friday - and the biggest handsel Apple has ever made is also its best (and possibly unsurprisingly, its most expensive).

17 comments 1 video

The $250 beauty device that works like 'Photoshop for your face'

Israeli beauty-tech firm Pollogen has launched its Geneo Personal device, which stimulates oxygen from beneath the skin's surface to give you a cleaner, fresher face within minutes.

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iOS 12 review: The update that really will improve your iPhone

Rather than cram in a plethora of new features, Apple's latest update is about boosting stability, with improvements in everything from FaceID and battery life.

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Has Camilla finally become the People's Duchess? How Prince Charles's 'warm, fun and friendly' mistress has won over the crowds 20 years...
The Duchess of Cornwall has come a long way since the public debut of her relationship with Prince Charles at the Ritz Hotel in London in...
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Samantha Markle announces she's releasing a SECOND book about Meghan this year - after revealing her first 'tell-all' will coincide with...
Samantha Markle took to Twitter over the weekend to announce that she will be releasing a second book on half-sister Meghan, and hinted that...
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Migrants cheat death when cargo ship changes course at the last moment and avoids crushing their tiny boat as they head towards Spain
The migrants were saved after their stricken boat was spotted by a Spanish Civil Guard helicopter which used its lights to signal to a...
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Royal biographer claims that 'down to earth' Harry becomes 'high maintenance' when he's with Meghan - and says palace staff now find him...
Journalist Duncan Larcombe, the author of, the author of Prince Harry: The Inside Story, also said that the famously laid-back prince has...
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Fire service is accused of discrimination amid claims it has made entry tests harder for white men to pass than women and ethnic minorities
White males applying for a role at West Midlands Fire Service have to score 70 per cent in a verbal and numerical reasoning test, compared...
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'We are preparing the most important military exercises in our history': Nicolas Maduro denounces 'imperialist' US as he tells his troops to...
Nicolas Maduro toured military bases in Venezuela at the weekend as he urged troops to remain loyal to his regime and announced massive...
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'No more delays, no more games': Mike Pompeo slams Maduro's regime as an 'illegitimate mafia state' and warns the rest of the UN they either...

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Mother shares 'genius' hack to get grubby stains out of a white school shirt - using nothing but £2.20 baby bottle cleaner
Ashley Baxter from Glenrothes in Scotland shared her discovery on Facebook, after seeing a tip for using Milton to tackle stains on a fan...

'Besotted' lover, 24, of speedboat killer Jack Shepherd says the married fugitive 'was crying his eyes out' as he told her he was wanted...
Maiko Tchanturidze is understood to have fled the capital Tbilisi after her romantic relationship with Shepherd was exposed by the Daily...

Met police probe 'clever' speedboat killer's network of friends and family who may have bankrolled him as he lived the high life while on...
Jack Shepherd, 31, had been at large for ten months until he finally turned himself into police in Tbilisi last Wednesday after a Daily Mail...

Police Scotland spent £3.2million on Donald Trump’s visit last summer when he stayed for two nights at his own Trump Turnberry hotel
The force had to arrange for hundreds of officers to attend protests and other events during the US President's trip to Ayrshire in...

39 comments

He's 18 now but trapped at aged six': Gogglebox star Dom Parker opens up about his seriously-ill son who has 100 seizures a day and his...

Mr Parker and his wife Steph, who live in Kent, are known up and down the country for their hilarious take on the week’s TV. But their son...

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Judy Finnigan, 70, claims she came 'close to death' after taking Ibuprofen for knee pain which caused her to 'develop stomach ulcers which...

The presenter, 70, said she nearly died and was forced to have two 'major, life-saving' blood transfusions after the drug made her develop...

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DOMINIC LAWSON: Why we must fight this misguided drive to force through assisted suicide

Former Crimewatch presenter Nick Ross is a persuasive campaigner for doctors to be required to perform medically assisted suicide if their...

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Shocking moment violent brawl erupts between a mob of 100 baying youths who smash Subway window with a 'wet floor' cone after worker blasts...

A fight broke out at the outlet in Heathway, Dagenham shortly before 6pm last Friday. Witnesses said the gang were 'out of control' and...

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Wedding horror as 15 people are killed when mudslide causes wall to collapse onto dancefloor as guests celebrated in Peru

At least fifteen people were killed and 34 left wounded, five of them critically, after a mudslide caused the wall of a hotel to collapse in...

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Hundreds feared dead in Brazilian dam disaster as death toll reaches 58 and 300 people still missing are 'unlikely to be alive'

So far 58 people have been officially confirmed to have died in the disaster which took place when a dam collapsed on Friday last week near...

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Health secretary threatens social media giants with bans unless they remove posts promoting suicide and self-harm after more families accuse...

UK Health Secretary Matt Hancock warned firms that a range of regulations and even higher taxes will be imposed unless they crack down on...

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Sir Philip Green makes sensational climbdown as Topshop boss quits £500,000 legal fight over gagging orders on allegations of sexual...

Sir Philip Green, 66, will today abandon his legal fight to keep in place gagging orders over sexual harassment, race discrimination and...

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County lines gang boss aged just 17 'enslaved two 16-year-old girls and forced them to sell heroin and crack cocaine on the street by...

Odain Miller (pictured), then 17, was the first juvenile in the UK to go on trial charged with modern slavery after forcing two 16-year-old...

Mother, 39, tells of her lucky escape when her living room ceiling COLLAPSED as she watched television with her two-year-old twins

Sarah Hayhurst, 39, from Tameside, Manchester, has spoken of her lucky escape after chunks of plaster and wood fell onto the settee she had...

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'Humiliated' head chef at Marco Pierre White's restaurant chain sheds ten stone after being 'shamed' at work and labelled at 'fat f*** in...

Father-of-two Craig Fisher, 42, from Nottingham, decided to take action in June 2018 and claims friends no longer recognise him after...
Tragedy as four men 'in their twenties' are killed in a 'single vehicle' car crash in Ireland
The men were pronounced dead at the scene near Magheraroarty, Gortahork, in County Donegal.

Bloodbath at McDonald's: Horrific scene as stabbing victim rushes into fast food restaurant begging for help after being knifed in the arm...
Photos from inside the fast food chain in Yardley Wood, Birmingham, show blood dripping from tables and large patches over the floor.

Newlywed reveals she saved £20K on her wedding by using a cyber currency to pay for the rings, marquee and make-up - and it only took them...
Debbie Lightbown, 31, of Swanage, Dorset, married fellow business owner Bill, 46, in a church service in Studland, Dorset, last month,...

World's best shipwreck hunter using latest undersea technology to begin searching for Cardiff City star Emiliano Sala and missing pilot
Over 3,500 people responded to the appeal for funds and the cash raised allowed the 28-year-old's family to hire two search boats which...

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Beggar who had more than £500 cash on him when he was arrested in Manchester city centre is fined £250
Ludovic Gabor, 57, was arrested in Deansgate over the Christmas period and found with £515.87 in coins and notes, a paper cup and an empty...
Samsung to ditch plastic packaging for phones, tablets and TVs and replace it with eco-friendly alternatives
The company said the trays used for its mobile phone, tablet and wearable products would be replaced with pulp moulds, and the bags used to...  
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'Looks like a lady with an axe to grind': Scorned woman attacks partner's £30,000 BMW with metal BED POST after he 'upset her'
She was apparently upset by her partner so she decided to attack his BMW 3 Series in retaliation, using a metal pole from a bed frame in a...
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My 2-bed terrace has earned more than me: A hardworking 67-year-old editor does the sums, as it's revealed one in five baby boomers is now a...
Geraldine Rudge, 67, who is semi-retired told how her property in South West London has increased in value over the last 16 years from...

Police are now dealing with 20 'Tinder crimes' a WEEK as number of call-outs linked to dating app more than doubles in the last three years
The number of Tinder-related police call-outs has more than doubled in the last three years. Devon and Cornwall were found to have the most...
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Fitbits are putting a strain on doctors 'because the exercise trackers are incorrectly telling wearers they are ILL'
Health apps and gadgets are blamed for the potential 'dystopian' scenario facing the NHS in a new report from the Academy of Medical Royal...
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Don't call us heroes: Cancer patients do not like being described in heroic terms because it puts them under pressure to appear positive
Mandy Mahoney, an outreach support worker from London, who was initially diagnosed with breast cancer in 2011, said: 'I think cancer speak...  
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