

June 1, 2016 Pikes Peak EV Challenge Committee

TEAM APEV with MONSTER SPORT 2016 Pikes Peak International Hill Climb Challenge The 100th anniversary race challenge

To preserve the environment and realize self-sustainable society through promotion of electric vehicle use, Association for the Promotion of Electric Vehicles (APEV; Honorary Chairman Soichiro Fukutake, Chairman Hiroshi Yokokawa) formed the 'Pikes Peak EV Challenge Committee' and once again moves forward with the fifth year challenge as "TEAM APEV with MONSTER SPORT" at the Pikes Peak International Hill Climb in Colorado U.S.A. from June 20th through 26th of 2016.

The symbolic event will be held at the Pikes Peak Mountain in Rocky Mountains, Colorado USA. Staged in America's scenic natural beauty, our project began in 2012 and we have continued to promote the importance of preserving the earth's environment for the future and the popularization of electric vehicles.

Ever since the first competition held at the mountain in 1916, this year we celebrate its 100th anniversary of rich history and heritage. "TEAM APEV with MONSTER SPORT" aims for achieving a great result at the globally significant event by investing all experience and knowledge in demonstrating the advantage of electric vehicles.

The racing machine this year, named "2016 Tajima Rimac E-Runner Concept_One" is an electric racing car created by the collaboration of 3 exceptional companies: Tajima Motor Corporation, SIM-Drive and Rimac Automobili (Croatia). Based on the 2015 model, it is given a new chassis, new powertrain and improved all aspects further in order to fully utilize the high output of 1.1MW (Mega Watt; Approx. 1500ps).





(1) Optimization of Rimac All Wheel Torque Vectoring: Refinement of the 4 wheel torque vectoring control enables safe and swift optimal vehicle control (acceleration, deceleration, turning) in various road surface conditions. (2) Tire performance improved: Giti Tire (Singapore) developed further improvements such as revision of tire structure, optimizing sidewall rigidity, and stabilized tire performance on roads with great temperature variance. (3) Aero dynamic performance improvements: Revised aerodynamic force balance, front and rear wing size and its positioning, and ride height to accomplish higher total downforce value to gain greater cornering speed. We aim for a great improvement in resulting time with all improvements working in synergy.

The driver is Nobuhiro 'MONSTER' Tajima, Pikes Peak Legend and Chief Commissioner of APEV. It will be his 28th year participating in the event and in recognition of his long history of challenge and contribution to the Pikes Peak International Hill Climb, he will be inducted to Hall of Fame this year. Further, the The Penrose Heritage Museum will forever display the 1993 race machine at their "Pikes Peak Hill Climb Experience" and ceremony will ensue. Team operation will be handled by Monster Sport.

We wish for your further support and cooperation to the project as we challenge the race and continue our many activities related to the promotion of environment preservation and proliferation of electric vehicles.











2016 Tajima Rimac E-Runner Concept_One

Manufacturer	TAJIMA Motor Corporation
Chassis	Aluminum space frame
Body Panel	Carbon fiber composite
Motor	4 RIMAC motors
Battery	Rimac Automobili Battery Pack 57kWh
Maximum Output/Torque	1100 kW / 1500Nm
Drive System	4WD / Rimac Chain drive single reduction transmission
Drive Control	Rimac Torque Vectoring Control
Drive Shaft	NTN Constant Velocity Joints
Suspension	Front/Rear: Double wishbone
Brake Disc	Front/Rear:φ370mm ventilated + Rimac Regenerative Brake System
Brake Caliper/Pad	Front/Rear: 8 pot calipers / Winmax brake pads
Tire & Wheel	Front/Rear: 340/710-18 Giti Tire, 18 x 13J Mag wheels
Overall L x W x H	L5170 x W2100 x H1350 mm *including aerodynamic devices
Wheelbase	2700mm
Kerb Weight	1500kg
Performance	0-100km/h: 2.2sec / Top Speed 270km/h





[Driver]



Nobuhiro Tajima

Born: June 28, 1950 Origination: Ishikawa Prefecture, now residing in Tokyo

TAJIMA Motor Corporation, Chairman / CEO SIM-Drive Corporation, President / CEO APEV, Chief Commissioner Iwata Creation of New Industries Council, Director JEVRA (Japan EV Race Association), Director JAF Certified Team 'Monster', Chairman Fukuroi City Industry-Academia-Government Collaboration Promotion Consortium, Member

Nobuhiro Tajima Hill Climb Race Record

Pikes Peak International Hill Climb

Colorado, U.S.A.

■1988 Showroom Stock Div	v. Class 3 rd			
■1989 Unlimited Division	DNF			
■1990 Open Rally Division	DNS			
∎1991 PP Open Div.	Class 3 rd		12m34s51	
■1992 Unlimited Div.	Class Win		12m51s63	
■1993 Unlimited Div.	Class Win / Overall 2 nd		10m44s22	
■1994 Unlimited Div.	Class 2nd / Overall 5th		10m51s15	
■1995 Unlimited Div.	Class Win / Overall Win		7m53s00	
	(First Japanese national	to win)	*Short course	
■1996 Unlimited Div.	Class 2nd / Overall 2 nd		10m21s88	
■1997 Unlimited Div.	DNF			
■1998 Unlimited Div.	Class 2nd / Overall 2nd		10m32s57	
■1999 Unlimited Div.	Class 2nd / Overall 2nd		10m37s35	
■2000 PP Open Div.	DNF			
■2001 Unlimited Div.	DNF			
■2006 Unlimited Div.	Class Win / Overall Win		7m38s	
			*Short course	
■2007 Unlimited Div.	Class Win / Overall Win		10m01s408	
	NEW WORLD RECO	RD		
■2008 Unlimited Div.	Class Win / Overall Win		10m18s250	
■2009 Unlimited Div.	Class Win / Overall Win		10m15s368	
■2010 Unlimited Div.	Class Win / Overall Win		10m11s490	
■2011 Unlimited Div.	Class Win / Overall Win		9m51s278	
	NEW WORLD RECO	RD		
■2012 Electric Div.	Qualifying 1 st Place	Finals: DN	NF	
■2013 Electric Div.	EV Class Win		9m46s530	
	EV CLASS WORLD F	RECORD	ŧ	
■2014 Electric Modified Div Class 3 rd / Overall 4 th 9m 43s900				
■2015 Electric Modified Div Class 2 nd / Overall 2 nd 9m 32s401				







[Challenge Committee Organization] Association for the Promotion of Electric Vehicles Tajima Motor Corporation					
[Executive Committee] General Manager: Soichiro Fukutake (APEV, Chairman) Benesse Holdings Inc., Director and Chairman					
Support Leader:	Yasunobu Suzuki	(NTN Corporation, Chairman)			
Driver:	Nobuhiro Tajima Tajima Motor Corporation SIM-Drive Corporation,				

[Executive Office]

Secretariat:	Tomoyuki Ishikura	(Tajima Motor Corporation)
	Ikuko Tanaka	(APEV)

[Participating Competition Event]

- Event: The 94th Pikes Peak International Hill Climb
- Venue: Colorado Springs, Colorado, U.S.A
- Date: June 20 through 26, 2016 Race Schedule
 - June 20 (Mon)Registration / Vehicle inspectionJune 21 (Tue)Official PracticeJune 22 (Wed)Practice / Qualifying Day 1June 23 (Thu)Practice / Qualifying Day 2June 24 (Fri)Practice / Qualifying Day 3 / Fan FestJune 25 (Sat)Setup / Prep DayJune 26 (Sun)Finals

Class Entry: Electric Modified Division







What is the Pikes Peak International Hill Climb? Why do we compete in this particular race?

Pikes Peak International Hill Climb, also known as the "Race to the Clouds", which is held on the scenic road of the Pikes Peak mountain in Colorado Springs, US is the most famous hill climbing race event in the world. The competition began in 1916 and gathered competitors from all over the world, and it has become the hill climb event which attracts most people and is now going on its 93rd event this year. It is also the second world's oldest motorsport single series event after the Indy 500 which started in 1911, and one of the top 5 prestigious races in history.

Drivers start at altitudes of 2862m and continue to push their cars to the goal 20km away at 4300m above sea level. The difference in height between the start and the finish line is over 1400 m and higher than Mount Fuji.

The surroundings at the starting point is lively in the woods and many wild animals can be seen. 8km from the starting point, drivers go through wooded areas gradually gaining altitude. Then the road becomes steep, winding along the mountain side and soon enough green trees vanish behind and only plants adapted to highlands crawl on the ground. Altitudes at 4000m near the goal, one could only see brown rocks and rubble. It is as if they are symbolizing the environmental damage of our planet.

The rich history and unique location makes Pikes Peak International Hill Climb an honorable and respectable challenge to participate and to achieve victory.







[TEAM APEV RACE RESULTS]

[2012] The 90th Pikes Peak International Hill Climb

[Race Car] MONSTER SPORT E-RUNNER Pikes Peak Special

[Driver] Nobuhiro Tajima

[Entry Class] Electric

[Result] Qualifying: Class 1st Finals: DNF

[2013] The 91st Pikes Peak International Hill Climb

[Race Car] MONSTER SPORT E-RUNNER Pikes Peak Special

[Driver] Nobuhiro Tajima

[Entry Class] Electric

[Result] Qualifying: Class 3rd Finals: Class 1st (Overall 5th) Final Time: 9m 46sec 530 Electric Divison New Course Record

[2014] The 92nd Pikes Peak International Hill Climb

[Race Car] MONSTER SPORT E-RUNNER Pikes Peak Special

[Driver] Nobuhiro Tajima

[Entry Class] Electric Modified

[**Result**] Qualifying: Class 3rd Finals: Class 3rd (Overall 4th) Final Time: 9m 43sec 900

[2015] The 93rd Pikes Peak International Hill Climb

[Race Car] Tajima Rimac E-Runner Concept_One

[Driver] Nobuhiro Tajima

[Entry Class] Electric Modified

[Result] Qualifying: Class 2nd Finals: Class 2nd (Overall 2nd) Final Time: 9m 32sec 401





[Official Team website, and more images]

Official Team website
URL: http://www.apev.jp/teamapev/

[Contact for further information about this release]

Pikes Peak EV Challenge Committee

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