THE EVOLUTION JEEP ALLIANCE'S NEWSLETTER July 2023 Volume 20



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New Look

As most of you have seen, we rolled out two new Windshield Banner versions at All Breeds Jeep Show this past weekend.

We have a new banner with a single row:



We have a new banner with a double row:



You can get a banner in a single color or a banner in two colors.

We also are still offering the original style banner in single or two color options as well.

Head over to our online shop at www.evolutionjeepalliance.com and get yours today.

While you are there sign up for a free account and unlock access to our sponsors section as well as get the newsletter via email each month.

IF YOU'RE NOT EVOLVING, YOU'RE STANDING STILL

Member Showcase

The member Showcase For the month of July is **Tejas Dhami**. Tejas has promoted of EJA's events on his own and attends as many as he can.

Here is what he said when we asked him our questions.

EJA: What did you name your Jeep, and where did the name come from?



Tejas: Jañg La; I Named it based on my blue and gold macaw. Rainforest theme and name meaning jungle.



EJA: What got you into this passion known as Jeeps?

Tejas: I was told I can't get on the beach about 15 years back and that I should get a jeep to do so because of how light they are, and capable.

E**JA**: How did you come to find Evolution Jeep Alliance?

Tejas: Kimberly told me about it about a year and a half ago.

EJA: What does Evolution Jeep Alliance mean to you?

Tejas: Great people and I always look forward to meeting them.

EJA: What events are you planning on attending / look forward to attending?

Tejas: Almost all events, when I can.

EJA: What Year and model do you own?

Tejas: I own a 2020 Wrangler JLU in Bikini Pearl.





EJA: What mods or future mods have you done or plan on doing?

Tejas: I currently have Micky Thomson 35" MT's, a 3.5" lift RockKrawler ultimate advantage, front AntiRocks, XRC front bumper, Quadratec Q-Performance Stealth Winch, XRC fenders (just got them) As for the future mods, I'm planning on new axels, 4.88 gears , 2.5 ton steering kit and a rear bumper.

Thanks for your participation and continued support of EJA, Tejas.

Sponsor Highlight

Our mission is to empower people with the skills, knowledge, and supplies to save lives.



My Medic was born after a tragic car accident took

the life of a loved one. Lack of equipment, proper training, and a long wait for emergency medical services to arrive led to an unnecessary death.



Our goal at My Medic is to prepare you with the equipment and training for the unexpected emergency.

Life can be dangerous. Whether you're at home, in your vehicle, or out on an adventure, our products are ready to perform when you need them most.

Our first aid kits are stocked with the highest quality gear, convenient features, and specialty tools that you won't find anywhere else. Experience Elevated First Aid.





My Medic is a valuable Evolution Jeep Alliance Sponsor. Head over to the Group Sponsor section at www.evolutionjeepalliance.com to get the discount code. If you can not access the discount section, please sign up for a free account and log in



2023 Event Calendar

Date:	Event:	Location:
8/11/23- 8/13/23	Topless For Tatas	Rausch Creek
8/24/23- 8/27/23	Ocean City Jeep Week	Ocean City
8/24/23- 8/26/23	Great Smokey Moun- tain Jeep Club Invasion	Pigeon Forge, TN
9/9-9/10	7th Annual Jeepers Back the Blue Jambo- ree	Dover Motor Speedway
9/16/2023	EJA Supports J.E.E.P. Fall Trail Ride	AOAA
9/23/23- 9/25/23	Great American Crawl	AOAA
10/14/2023	October EJA Wheeling at AOAA	AOAA
10/20/2023	EJA To Field of Screams	Montville, PA
10/21/2023	Krawlin for K9s	AOAA
11/11/2023	Wheel2Heel	AOAA
11/25/2023	November EJA Wheel- ing at AOAA	AOAA



EJA Newsletter Team

Stephen Ellis Brennan McMahon Jake Hayden Gary Swogger



27th Annual All Breeds Jeep Show



Tech Talk—RTI vs CTI - What is all the fuss about?

With all the posts and pictures and videos on Evolutions Facebook page from last weekend's All Breeds Jeep Show in Carlisle, PA we have seen a lot of jeeps on ramps and on this weird looking trailer. What are they? Why do people drive their vehicles on them? What do they mean?

RTI Score and how it's measured:

Ramp Travel Index, or RTI, is a way of measuring a vehicle's ability to flex its suspension, a property also known as axle articulation. The RTI score is used mainly in the off-road industry to test and describe chassis limits of modified vehicles.

How is RTI measured?

You put one tire on the ramp and drive up slowly until one of the other three tires (usually the other one on the same side as the tire on the ramp) begins to leave the ground. The measurement is only taken when the other three tires are still on the ground. The distance traveled up the ramp is then measured and is divided by the vehicle's wheelbase and finally multiplied by 1000 to give a final RTI score.

CTI Score and how it's measured:

Corner Travel Index, or CTI, is a way of measuring a vehicle's maximum axle/wheel articulation at the four corners of the vehicle, often referred to as flex. The CTI score is used in the off-roading industry to quantify the axle/wheel articulation in order to compare the performance potential of a wide variety of vehicles and vehicle builds.

How is CTI measured?

CTI totals the articulated wheel travel of each individual tire on the vehicle (in inches) and multiplies that total by 10 (ten). CTI can be measured two ways, the two wheel method (Estimated) and the four wheel method (Certified). Estimated is the easier value to generate as it only requires lifting the vehicle once. Certified is required and preferred for a truly accurate measurement of the CTI.

What's the difference between RTI and CTI?

Ramp Travel Index (RTI)	Corner Travel Index (CTI)	
Driver Skill can affect RTI value	Driver Skill has NO effect on CTI value	
Lower tire pressures can improve RTI value	Tire Pressure is fixed at 15 psi	
Different ramp angles yield different RTI values;	Flat Platforms. No ramps.	
For example the same vehicle yields the following RTI values on different ramps angles:		
20 degree ramp yields 1033 RTI		
25 degree ramp yields 836 RTI		
30 degree ramp yields 706 RTI		
The location of measurement relative to the ramp is confusing. is it the center of tire contact on ramp, the perpendicular plane the passes through the axle or the lowest point of tire?	Measurement is simply vertical clearance between the ground and the lowest point of the tire.	
Calculation of RTI is not an easy formula.	Calculation of CTI simply adds four numbers and multiplies by 10.	
Safety - precarious vehicle positions are often required to make proper measurements	Vehicle is safe, level and balanced at all times.	
Vehicles traveling FORWARD up the ramp often yield a different RTI value than the same vehicle traveling BACKWARDS up the ramp.	Direction of approach to lift platforms is irrelevant.	
Counter intuitively, a vehicle traveling FORWARD up the ramp primarily measures the articulation of the REAR suspension.	The front and rear suspensions are tested simultaneously with no vehicle motion.	
A vehicle traveling BACKWARD up the ramp primarily measures the articulation of the FRONT suspension.		
Gear backlash/clutch release/suspension bind etc. often cause the vehicle to rock backwards on the ramp when releasing the break/clutch or shutting off the vehicle.	No rocking backwards. Vehicle is at rest prior to lifting wheels of vehicle with lift platforms.	
Vehicles with different wheelbase lengths yield different RTI values	Wheelbase is irrelevant to the calculation of the CTI value.	
Moderately portable system.	Moderately portable system.	
Approach angle to ramp affects measurement	Angle is not a factor in CTI measurement	
Weight distribution in vehicle can affect RTI measurement.	Weight distribution will not change CTI measurement total.	





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EVOLUTION MERCHANDISE

Purchasing some Evolution Merchandise is a great way to support our mission to build,



grow and help not only the Jeep community, but our local communities.



All proceeds of our merchandise goes to funding events for our members as well as supporting local charities and fundraising efforts to better our communities.

Check out our website www.evolutionjeepallianc.com to browse all of our available merchandise from T-Shirts to Towels and Phone Cases. Your support is greatly appreciated!



ALWAYS EVOLVING