Overview



The History

- Tyron® Automotive Group Ltd was founded in 1979 and is located in Bedford, England. Tyron® USA began marketing Tyron® in North America in 2001 and is located in Burbank, California.
- Tyron® developed and patented the "well-filler" wheel band as a result of a request from England's Ministry of Defence. British troops were being ambushed in Northern Ireland after having tires deflated from enemy gunfire. Installation of Tyron® gave the troops a "getaway" capability which saved many lives.
- Tyron® recently received a Smart Award from the British Government for innovation and landmark achievements in tire safety.



Funding Innovation

What is Tyron®?

• Every wheel is made with a recessed or drop center area called a "well."
It is impossible to fit a tire without the well.

• When a tire deflates, air pressure no longer holds it in place on the wheel. It becomes FREE TO MOVE and the tire's beads can slip into the well of the wheel. The tire then flails on the smaller diameter of the well reducing driver control.

• Tyron® is attached in the wheel's well after the tire has been fitted; so in the event of tire deflation it supports the tire, preventing it from slipping into the well. This significantly increases tire stability, and therefore steering, cornering and braking control.



The Problem

- J.D. Power and Associates survey indicated that the #1 concern of the new car buyer is safety, and that of all the concerns, tires are at the top of the list.
- According to the AAA, approximately 6000 people a year are injured or killed while standing on the roadside changing a tire or waiting for a tow truck.
- National Highway Traffic Safety Administration research has estimated that there are close to 25,000 tow-away crashes a year caused by blowouts or flat tires.
- Southern California Automobile Club reports that they respond to nearly 40,000 calls a month from motorists who are stranded with flat tires.



obile Association of America

Consumer Research

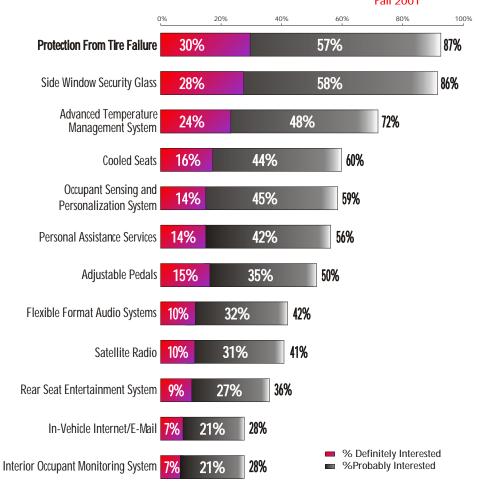
J.D. POWER AND ASSOCIATES STUDY

According to the study, nearly seven out of eight consumers put some form of tire protection at the top of their list of emerging features they would like to have in their next vehicle.

SOURCE: J.D. POWER AND ASSOCIATES 2001 AUTOMOTIVE EMERGING TECHNOLOGIES STUDIES WAVE I

Headquartered in Agoura Hills, California, J.D. Power and Associates is a global marketing information services firm operating in key business sectors including market research, forecasting, consulting, training and customer satisfaction. The firm's quality and satisfaction measurements are based on actual responses from millions of consumers annually.

Feature Interest (Percent "Definitely/Probably" Interested)





The Solution

Tyron® can help assist the driver with vehicle control after a rapid tire deflation or blowout.

Tyron® can help assist in the ability to drive the vehicle out of a dangerous situation and to a safer location.

Tyron® can help reduce the risk of serious accident following tire deflation.

 Tyron® can help the driver slow down in a safer manner on the deflating tire, and drive a short distance to a safer place to change the wheel or seek assistance.

Tyron® works on any road or driving surface and in rain or snow.

- Tyron® may help to prevent any bodywork or wheel damage after a tire blowout.
- Tyron® is guaranteed for the life of your car when installed and used as recommended by Tyron®.



Testing & Approvals

TüV: Tested and approved by German TüV (European equivalent of DOT) at Autobahn speeds (225 kph/140 mph)

Ford: Ford tested and passed for double front blowout at 140 mph. Fitted SVO to all U.K. Police cars

Jaguar: Approved for high-speed use and fitted SVO to all U.K. Police cars

Volvo: Truck and Bus; Fitted with approval by Volvo OEM and SVO

Land Rover: Approved original equipment accessory

Vauxhall (GM): Fitted by Vauxhall SVO

Rover: Fitted with Rover approval to police and government vehicles

Peugeot: Approved for use by Peugeot, U.K. and fitted to all ambulance chassis

Iveco Ford Truck: Fitted OEM and SVO for military and special vehicles

Leyland DAF (LDV): Fitted OEM on all police vehicles

Rolls Royce: Tested, approved and fitted as SVO option. Approved for high-speed use

Bentley: Tested, approved and fitted as SVO option

Mercedes-Benz: Fitted with Mercedes approval for trucks OEM and SVO

MAN: Truck. Fitted OEM and SVO

Renault: Fitted SVO on U.K. Ambulances - Trucks fitted with approval SVO and OEM

ERF: Truck. Fitted OEM

Dennis: Fire Truck, Fitted OEM

SVO - Special Vehicle Operations OEM- Original Equipment Manufacturer





Tire Companies



Carried out tests prior to stocking, selling, and marketing through all of their UK affiliated locations.



Fully tested and fitted in UK for OEM and military users.



EXAMPLE 1 Fitted OEM on UK production lines.



Finland: Tested and fitted on their production lines for Scandinavian OEM users.



Fitted OEM on UK production lines.



Government



All government operated ambulances are fitted with Tyron® by order of Britain's National Health Service.



British Government Home Office requires Tyron® fitted to all police vehicles and government vehicles.



Used by Britain's Ministry of Defence since 1979.



Tyron® has NATO stock number 2530998385982 and NATO product part No. A2-14-55.



All United Kingdom Fire Brigades fit Tyron®.



Law Enforcement



Approved, tested and equipped on police cars by the Los Angeles Sheriff's Department. 350 vehicles installed on first phase of operations; 1000 expected in phase II.



Approved and tested by the United States Marshal's Service.



Approved and fitted by the Los Angeles Police Department.



Installation

Installation is quite simple. It takes under 30 minutes to install a set of bands.

Manual installation equipment is also available and easy to use.



















Product



2424 NORTH ONTARIO STREET, BURBANK, CA 91504 1-888-RUNFLAT WWW.RUNFLATCOM

Product Specifications:

- Fits to standard (single piece drop center) steel or alloy wheel and tire assemblies.
- A lightweight well-filler band that converts standard wheels into 'safety wheels'.
- Prevents tire flailing minimizing the possibility of damage to adjacent vehicle components.
- Assists driver in maintaining steering, cornering, braking and traction control.
- Provides 'getaway' and tire runflat capability.

Performance:

- TüV approved for 4km high-speed runflat.
- Off-road: Longer runflat with much enhanced traction.
- High speed capability (tested to 140mph).
- Best use with one tire fully deflated but useable with two tires deflated.
- For single piece drop center wheels from 10" diameter to 20" diameter.



Manufacturing

- Tyron® is manufactured on dedicated tooling within the scope of BS 5750, ISO 9000-1987 and EN 29000-1987.
 In 1998 the production facility gained QS 9000.
- Material Specifications include Zinc Plating to Fe/Zn5 and passivity to Class 2C (FeZn c2C).
- Fixing Rollers are manufactured in ZA-5 pressure die cast zinc base alloy to BS1004B.
- The steel socket cap screw fixings are in 12.9 material, DIN 912, ISO 04762, BS 4168, zinc plated, passivated and de-embrittled.
- The Nylon insert self-locking nuts are to DIN982 type P and zinc plated.





FAQS

What is the purpose of Tyron®?

The main purpose of Tyron® is to help keep the tire on the wheel during a blowout situation, thus helping to reduce the likelihood of the wheel coming into contact with the road surface. The result is a cushion of rubber maintained between the wheel and the road surface, helping to provide better vehicle control. Tyron® is guaranteed for the life of the vehicle.

Using Tyron® on the highway.

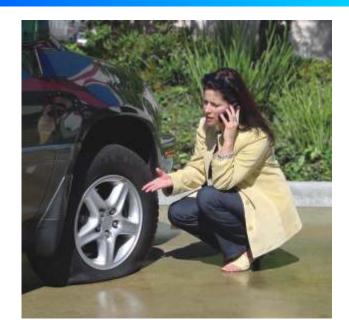
Should a tire deflate during operation, Tyron® assists the driver to remain in control of the vehicle. You will know you have a flat tire. However, if you are traveling at highway speeds, slow to a safe speed and proceed slowly (on the flat tire) to the nearest exit.

Using Tyron® on the street.

It is a good policy to check on the flat tire's overall condition at regular intervals if you <u>must</u> travel distances to get help or before changing the tire.

Using Tyron® off-road

To maximize runflat capability, be sure to watch the road surface carefully avoiding rocks, potholes or other obstacles, as wheel or suspension damage could occur.



Why was Tyron® developed?

Tyron® was developed for NATO forces as a getaway technology in case of rapid or complete deflation of tire pressure from gunfire. Tyron® is mandatory equipment at many police departments, ambulance services and vehicles used by government agencies for emergency response.





El Segundo Police Department

348 Main Street • El Segundo, California 90245-3885 (310) 524-2390 • Fax: (310) 640-8648

Jack Wayt, Chief of Police

January 11, 2002

Jack Scully TYRON USA 500 N. Victory Blvd Burbank, Ca 91502

Dear Mr. Scully:

quick note regarding the performance of the Tyron Wheel Safety Bands my department I am a sergeant with the El Segundo Police Department and I wanted to drop you a recently purchased from your company.

inadvertently drove over a raised center median. After regaining control of the vehicle, I continued my response. assistance. I responded to this call for help along with several other field officers. As I first activated my overhead lights and siren, I momentarily took my eyes off the road and One of our officers was involved in a pursuit of a stolen vehicle and requested immediate

arrived, there were enough officers on scene to handle the suspect and I subsequently reached speeds of over 70 miles per hour and traveled for nearly two miles. the suspect at gunpoint and to continue an expedited back up. and fence near the Los Angeles International Airport. Our officer broadcast that he had drove another half mile on the freeway looking for a reported secondary suspect vehicle The pursuit quickly terminated after the driver of the stolen vehicle collided into a pole While responding,

allowed me to safely operate my vehicle even with serious tire damage accident, I never felt any loose steering or swaying normally associated with a flat tire When I came to a stop, I felt my police vehicle listing to one side. I got out of my unit and noticed that the right front wheel was flattened. This was no doubt a direct result of my previous collision with the center median. The Tyron Wheel Safety Bands sold by your company functioned as advertised and During the entire time following my

safety bands to any agency with emergency vehicles Please accept my thanks for an exceptional product and I highly recommend these tire

Sincerely

Raymond Garcia Patrol Sergeant



County of Los Angeles Sheriff's Bepartment Readquarters 4700 Ramona Toulevard Monterey Park, California 91754–2169



LEROY D. BACA, SHERIFF

September 9, 2002

Mr. Jack Scully, President Tyron Runflat Tire Protection 500 North Victory Boulevard Burbank, California 91502

Dear Mr. Scully:

time we fitted approximately 350 vehicles with the Tyron device. Approximately one year ago, the Los Angeles County Sheriff's Department began installing the first of your Runflat bands on our Ford Crown Victoria and Expedition radio cars. During this

the front tire to blow. The Expedition was fitted with the Tyron device. The deputy was able to a heavy rainstorm. As the unit rounded a mountain curve, it struck a boulder in the road causing maintain control of the vehicle and continue driving until he found a safe location to stop and During the first trial period, one of our Ford Expedition's was returning from a rescue call during have the tire changed.

blowouts and the Tyron device functioned as promised Since this incident there have been numerous occasions were our patrol vehicles have suffered

the public we serve. I would like to thank you, for delivering a product that enhances the safety of our personnel and

Sincerely,

LEROY D. BACA SHERIFF