

Safety Requirements Checklist

Required Equipment For Each Vehicle On All Runs

Your safety, as well as the safety and enjoyment of others, requires that all participants have the equipment listed below:

1. Seat Belts for all Occupants
2. CB or FRS radio (FRS radio as long the driver can provide one for another vehicle that has CB. Cell phones are not acceptable substitutes.)
3. Full Size Spare, Suitable jack, tools to remove lug nuts and lock nuts
4. Fire Extinguisher with gauge indicating full charge, appropriately mounted
5. Tow Strap or rope, with no metal hooks, and with a capacity of at least 15000 pounds
6. Tow Attachment points (hooks, shackles, receiver hitch w/shackle) FRONT and REAR. Please, no tow balls and no exceptions.
7. 4WD Vehicle with 2 Speed Transfer Case(Unless trip description allows for 2WD)
8. Roll Bar or Hard Top
9. Functional parking brake
10. First aid kit (include what you would want when you're hurt or in pain)
11. Valid Driver License and Proof of Insurance

Some runs require additional equipment based on the Run Difficulty Rating or based on the Run Leader's opinion as to the equipment needed to successfully accomplish the trail. The Run Leader has the final decision regarding equipment needed for his/her run. See Run Announcement Message and the Rating System or contact the Leader for questions regarding equipment required for a specific run.

To avoid inconvenience and possible embarrassment, please make sure you have all the equipment needed when you arrive at the run.

Equipment Needed Based on Trail Difficulty Rating(1-5)

Trail rating is not a Science and clearly there are lots of factors involved besides equipment including: weather, time of day/night, traffic, driver experience, and luck.

Keep in mind that the equipment below is in addition to the **REQUIRED EQUIPMENT** for all runs.

- (1) Front & Rear Tow Attachments Required.
- (2) All of the Above plus, suspension lift Recommended, and 245-75x16 tires Recommended.
- (2+) All of the Above plus, Rocker panel protection Strongly Recommended.
- (3) All of the Above plus, 2" lift Required, 245-75x16 All Terrain or Mud Terrain tires Required. Rocker Panel protection (i.e., Boulder bar, rock slider) Required. 1 TAD suggested (Traction Aiding Device - see Note below) Spare parts and tools Suggested.
- (3+) All of the Above plus, 1 TAD Required (in addition to Traction Control), 2nd TAD Recommended, 245-75x16 AT/MT tires REQUIRED, 265-75x16 tires Suggested. Spare parts and tools Strongly Recommended.
- (4) All of the Above plus, 265-75x16 tires Strongly Recommended, 3" lift suggested, Front and Rear TAD Suggested, Winch Suggested. Spare parts, tools and some driving experience Required.
- (4+) All of the Above plus, 2 TAD Required, 265-75x16 tires Required, One or more Winches/"Come-along"/Hi-lift for winching Required. Experienced Drivers Only. Expect some vehicle damage.
- (5) Even with all of the above, you are likely to break SOMETHING!

Trail Ratings are very subjective and the difficulty of a trail can change from time to time due to many factors including weather, erosion, amount of use as well as modifications to the trail by people. We try to accurately describe the difficulty of a trail but sometimes we are surprised. Drivers should always be aware of their skill limitations and the limitations of their equipment. Keep in mind that vehicle damage or injury can occur at any time on any trail. Whenever a driver feels in danger he/she should immediately ask for help. It is always easier to put a strap on a vehicle or guide a vehicle over a dangerous obstacle than to repair a vehicle that was damaged unnecessarily. There is no shame in asking for help.

Note: A Traction Aiding Device (TAD) in addition to Traction Control may be any type including: A full time locker, limited slip (posi), Tru-trac, ARB, OX Lock or any other mechanism that prevents wheel spin when one wheel loses traction.

Instructions for Trail Guides and Spotters

Trail Guides

- Have a driver meeting
 - A. Explain about the trail
 - 1) Name, estimated time, special circumstances
 - B. Determine the mid and tail-gunners.
 - C. Designate a CB channel.
 - D. Designate spotters and introduce to the group
 - 1) Split up spotters along the caravan.
 - E. Designate a time and location to air down
 - F. Vehicle count.
 - G. Verify all vehicles have passed the safety inspection.
 - H. Make sure to have drivers check their vehicles after the run and before they get back on the highway.

Spotters

- Know common hand signals. A hand held CB is recommended for good communication to eliminate noise and visibility problems. Switch to an alternate channel if necessary.
- Orient the driver to your signals, prior to attempting the obstacle.
- Discuss the approach to the obstacle with the driver.
- Familiarize themselves with the type of vehicle, the modifications and limitations to insure success. Note the wheelbase, center of gravity, type of tires, ground clearance, approach and departure angles, articulation, lockers, skid plates, bumpers etc.
- Walk around the vehicle or have another spotter watch the opposite side in order to avoid damage.
- Transmit confidence with your instructions to the driver but don't be afraid to ask for help if you're not sure about the line or feel like you need someone else's opinion.

Additional tools and equipment

Your toolbox and parts box can be very basic to very extensive. Here are some items you may want to add to your list:

- Tool box with various drivers, pliers, ratchets, and sockets
- Extra fluids (for the car and you)
- Rags/Handy wipes/Toilet paper
- Plastic bags(for trash & spent fluid)
- Jumper cables
- Tarp/Blanket
- Ratcheting tie downs
- Air pressure gauge
- Spare Fuses/Relays
- Flashlight/headlamp(w/extra batteries)
- Shovel
- Duct tape/electrical tape
- Super Siphon
- Funnel
- Tire valve stem removal tool
- Extra 5 gallons of water
- Serpentine belt
- Complete set of water/heater hoses
- High pressure power steering hoses
- Oil cooler lines
- JB Weld
- Volt/amp meter
- Hi-Lift Jack
- Floor jack
- Spare axles/CVs front and rear
- Spare tie rod
- Tire repair kit
- Pry bar
- GPS
- HAM radio
- Extra gas for longer trips
- Telescoping 4-6lb magnet
- Winch and winch line extension
- Air compressor or CO2 tank
- Spare alternator
- Spare differential complete with ring/pinion
- Dremel or cutting tool
- Soldering iron
- On board Welder w/strips of metal in varying size
- Food, extra, in case trail time is extended
- Inverter
- Tire chains