

# Tire Matching [tread shaving] for 4WD or AWD vehicles – to maintain equivalent Diameter and/or Tire Tread Depths

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What does a 4WD or AWD owner do if one tire has to be removed from service – when it and the other three tires have 2/3 [two-thirds] to 1/2 [one-half] of their original tread depth still remaining?

- Simply installing one new tire runs the risk of –  
Drivability problems and/or expensive Driveline damage... \$\$\$\$
- Replacing the other three partially worn tires along with the damaged tire –  
Significantly increases the cost... \$\$\$

**Sunshine Service can provide a solution** - “Tire Matching” - By removing tread rubber from a new tire on a specialized machine that operates as a ‘tire lathe’. The tread depth of the replacement tire is ‘machine shave’ to the tread depth of the partially worn tires that will remain on the vehicle - While this may seem counterproductive, the value of the mileage sacrificed by the one replacement tire is considerably less than the cost of installing four new tires or rebuilding worn or damaged driveline components.

**For over 25-years Sunshine Service** has offered its tire truing service for lifted Trucks, Semi-Trucks, Custom Rods/Competition vehicles, and RV’s with un-uniform wheels/tires.

**Sunshine Service** offers this same service on individual tires or new pairs used for **4WD** and **AWD** vehicle applications. Matching the remaining tread depth of the other partially worn tires that will remain on the vehicle will eliminate driveline stress, and better match the traction and handling qualities of the remaining worn tires.

**\$44.50\*** is the minimum cost of our tire shaving service – This cost is significantly less than replacing the remaining two or three good tires with lots of service miles still available.

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Here are recommendations from some of the vehicle manufactures for matching the tires used on their vehicles.

Audi	As published in their vehicle owner’s manual, “rolling radius of all 4 tires must remain the same” or within 3/32-inch of each other in remaining tread depth.
Porsche	Cayenne within 30% of the other tire <u>on the same axle’s</u> remaining tread wear.
Subaru	Within ¼-inch of tire circumference or about 2/32-inch of each other in remaining tread depth.

\*Current pricing as of Jan. 2011 – Sunshine Service 850 S. Rock Blvd, Sparks NV 775-358-5486