

**NO: 22-01-97**

**SUBJECT: Tire & Wheel Runout**

**DATE: Jun. 13, 1997**

**DISCUSSION:**

Radial runout is the vertical distance between the high and low points on the tire or wheel edge measured at the center line of the tread.

Lateral runout is the horizontal movement of the tire or wheel measured near the shoulder of the tire.

Runout of more than the preferred specification may cause the vehicle to shake. Refer to the following specifications and appropriate Service Manual procedures.

**PREFERRED TIRE & WHEEL RUNOUT**

VEHICLE	RADIAL	LATERAL
PASS CAR & MINIVAN  (EXCEPT FJ)	BELOW .030"	BELOW .030"
JEEP & TRUCK	BELOW .060"	BELOW .080"
FJ - STEEL WHEELS  (WHEEL ONLY)	BELOW .050"	BELOW .050"
FJ - ALUMINUM WHEELS  (WHEEL ONLY)	BELOW 0.40"	BELOW 0.40"

Usually runout can be reduced by relocating the wheel and tire on the wheels studs and/or rotating the tire on the wheel (match mounting).

**POLICY: Information Only**