

Kansas Administrative Regulations

Kansas Department of Transportation

Article 7.—Stud Tires

36-7-1. Definitions.

"Stud" as used herein is a pintype device prepared for installation in the tread design of an automobile tire. It consists of a tungsten carbide core bonded to an outer casing or shell of plastic, aluminum or steel.

"Stud tire" is an automobile tire fitted with studs in the tread design in openings molded for that purpose by the tire manufacturer.

"Body of a tire" is the fabric or cord material to which the rubber tread material is bonded.

"Manufacturer" shall be the person or corporation who makes or fabricates the body of a tire.

A. The manufacturer or retreader shall prepare precise specifications for new stud tires and newly retread tires covering the number, pattern of installation, type of stud to be used and number of studs to be used in each type of tire for which approval is applied.

B. Approval may be granted for installation of studs in standard tires and in newly retread tires for which precise specifications are submitted.

C. When installed, there shall be a minimum of $\frac{2}{32}$ inch of rubber between the base of the stud and the cord body of the tire.

D. When installed, the tungsten tip of the stud shall project not less than .040 inch nor more than .090 inch above the tread surface of the tire. The measurements that are made to see that this is complied with will be made on tires before they have been in use. However, if there is any question as to their requirements, they will be again measured, after the tires have been driven at speeds not to exceed 50 miles per hour for a distance of at least 10 miles.

E. The number of studs per tire shall be controlled by the size of the passenger car tire and shall be within a range of a minimum of 60 and a maximum of 150 for the small, standard size and/ or larger passenger car tire.

F. The rubber surrounding the stud itself where the stud insertion is made must be a minimum of .500 inch in diameter and must be of solid rubber with the stud in the center of this solid rubber area.

G. Studs must be imbedded in holes pre-molded in tires.

H. Studs when inserted, shall be firmly and squarely seated in these holes and in the tire itself.

I. The studs may not exceed .400 inch diameter inclusive of the stud casing.

J. Studs may be used in tires on single tire passenger vehicles and other single passenger vehicles with rated capacities up to and including $\frac{3}{4}$ ton.

K. No stud tire shall be used on a public highway earlier than November 1st or later than April 15 of any winter season.

L. The tire or rubber manufacturer shall be responsible for the proper installation of studs in all tires where the studs are inserted by the factory and those tires where studs are inserted by the dealers who operate factory-owned stores. Those companies or tire dealers doing retread operations shall be responsible for the proper installation of studs in any retread tires that they manufacture and shall further be responsible for any insertion of studs that these same companies or dealers insert in new tires in which they apply the studs.

A manufacturer of a stud tire or the retreader seeking such approval of his tire for legal sale and/or use in Kansas shall apply by letter to the traffic and safety department of the state highway commission, state office building, Topeka, Kansas, stating that his product meets all the requirements for stud tires as herein contained, and as required by the state highway commission of Kansas. The commission reserves the right to require additional proof of tire or stud conformity with such requirements.

A provisional certificate of approval may be issued for each type tire by the state highway commission providing that:

1. The manufacturer and/or retreader applies, submitting all required information for each type tire, and therefore certifying that his product conforms with all of the Kansas requirements.

2. The commission reserves the right to require the submission of one or more pairs of each size tire for which approval is requested as the commission may designate.

3. The commission reserves the right to deny a certificate of approval for any type of stud tire that does not meet its standards and recommendations.

(Authorized by K.S.A. 1965 Supp. 8-5,106; effective Jan. 1, 1966.)

***** Authenticated Kansas Administrative Regulation *****