

PAINT EFFECT ON TORQUE TENSION

Wheel Refurbishing

Tests show that wheels with improperly cured paint contribute to accelerated fastener torque loss. It is important to allow sufficient time for paint to cure. Cure time is approximately three days for air dried paint. Baking the painted wheels will speed up the curing time, maximum temperature should not exceed 425 degrees F.

Paint Thickness Requirements

Excessive paint on wheels, hubs and drums can also lead to excessive torque loss. Dual wheel systems are especially susceptible to this because of the reduction in total thickness as the paint wears away on multiple surfaces. Paint thickness should be held to 3.0 mils (.003") maximum on any critical surface. Repainting over primer coated wheels is allowable as long as the max. total thickness of paint is .003" or less. Repainting over powder coated wheels is NOT acceptable without first removing the paint from the critical surfaces. Hub and drum mounting faces should not be painted over. Please refer to the following diagram for areas affected:

