

Repairing the Injury Practice Observation

Use for reference purposes only. For an employee to be certified, final observations must be completed in the LMS.

Off the Wheel Inspection

Done	Action
	Performs an off-the-vehicle inspection, checks tire pressure, marks visible injuries with tire crayon.
	15 PSI or more: Submerges the assembly in the dunk tank and marks the injury. Below 15 PSI: Dismounts tire and performs off-the-wheel inspection.
	Performs an off-the-wheel inspection at the tire spreader and determines if repairable or consults supervisor.

Repairing the Injury

Done	Action
	Uses the appropriate tool to remove foreign object.
	Inspects the injury with an awl, probing the injury to determine the extent of the damage and determine the angle of the injury channel.
	Uses the pre-buff cleaner with innerliner scraper to clean and scrape the injured area.
	Uses the carbide cutter to ream the injury 3-4 times from the outside in and inside out.
	Removes the plug stem from the plastic packaging. Fully coats the plug stem with quick dry patch cement.
	Uses a pair of pliers to pull the plug stem through the injury.
	Cuts the plug stem 1/8" (3mm) above the innerliner.
	Uses the contour rasp to buff the plug stem flush with the innerliner, then buffs area several times in one direction. Smooths the patch area to a black velvet-like texture using the brass brush.
	Uses a vacuum to remove all debris from the inside of the tire. Does not touch the buffed area with the tip of the vacuum avoiding contamination.
	Applies a thin coat of quick dry patch cement to buffed area using a circular brushing pattern. Allows 30-45 seconds to dry.
	Applies a universal patch by centering it over the plug stem. Avoids touching the gum cushion area with their fingers.
	Uses the ball bearing stitcher to stitch the patch from the center out and again at 90 degrees to remove air bubbles. Removes the plastic film from the patch.
	Applies repair sealer over the entire buffed area and the edges of the patch, leaving the center of the patch clear to expose the "Quality Checkmark."
	Cuts the plug stem using diagonal cutters on the outside of the tire flush with the surface of the tread, without stretching before cutting. Discards all remaining portions of the plug stem.

Completing the Repair

Done	Action
	Rebuilds the TPMS or installs a new valve stem. Mounts the tire and inflates it in the inflation cage.
	Redunks the assembly in the dunk tank and checks for leaks on both sides.
	Rebalances the assembly.

Comments