



GLOSSARY

Section

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- **ACW.** Money acceptor. The point where customers make vend selection and payment.
- **Break-Away.** Wand that folds out of the way when making contact with stationary object, to be returned to position without damage.
- **Bridge.** The section of the wash that moves along the rails and supports the wands.
- **Bridge Box.** The box that connects the bridge to the transition box via the IGUS tube.
- **Bridge Stop.** One of four physical stops located at ends of rails to keep bridge on rails.
- **Bridge Trough.** Secure cavity across bridge that holds hoses, cables, valves and nodes.
- **Cam.** Physical device that transmits rotary movement of idler shaft to oscillator shaft.
- **Check Nozzle.** Low pressure nozzle assembly that includes a screen check valve to keep wand charged with product.
- **Covers.** Outer layer of bridge, wands, and pump stand providing both aesthetics and safety.
- **Drive Motor.** Hydraulic motor used to move bridge or trolley.
- **Eyes.** Infrared optics (1 transmitter and 1 receiver) used to measure vehicle length. See also 'Optics'.
- **Gantry.** See 'Bridge'.
- **Gear.** Wheel with molded teeth that drives the bridge or trolley and keeps bridge square.
- **Gear Rack.** Notched molded track on rail that gear moves on.
- **Gore Tube.** Brand name for older style energy chain that carries hoses and cable to bridge and trolley.
- **Grease Block.** Grease distribution point that uses a rotary cam to distribute grease uniformly.
- **IGUS Tube.** Energy chain that carries hoses and cable from transition box to bridge.
- **JIC Fittings.** Tapered high pressure connection when tight male and female create wide seal area.
- **Knuckle.** Flexing section of break-away.
- **Nozzle, Power Jet.** Stainless steel nozzle that delivers a set amount of water per minute at a fixed degree of spread.
- **Nozzle, Rotating.** Stainless steel nozzle that delivers a set amount of water per minute in a thin stream in a rotating pattern covering a fixed degree of spread.



- **Optics.** Infrared optics (1 transmitter and 1 receiver) used to measure vehicle length.
- **O-Ring Fittings.** Threaded fitting that uses an O-Ring to create a tight seal.
- **Pit.** Waste water collection pit, generally in the center of the wash bay.
- **Prox.** See 'Proximity Switch'.
- **Proximity Switch.** Electrical switch generally used as a input device. Switch will trigger 'on' when close to a metal target.
- **Rails, Floor.** Optional rails that bolt to floor to help guide cars to stop switches.
- **Rails, Guide.** See 'Floor Rails'.
- **Receiver.** Infrared optics (eyes) used to measure vehicle length. Receiver senses the infrared light (when not blocked) from the transmitter section of the optics.
- **Sensor Array.** Four (4) proximity switches arranged to read position of adjustable wand.
- **Side Blaster.** Set of high pressure nozzles that concentrate the wash intensity on lower section of vehicle.
- **Solenoid Valve.** Electrical coils mounted on the valves used to control the flow of fluids or air to the XP mechanical system.
- **Target, Count Correction.** Metal tab mounted on the bridge/trolley rails. Used to check the counters against a known count position by the processor.
- **Target, Home.** Metal tab mounted at the home position of the bridge and trolley rails. Zero point for the bridge and trolley counter. Start position.
- **Tire-in-Position Switch.** Also called the V-trap treadle, stop pad or stop station. Electrical (input) switch is triggered by the vehicle's tire being on the tire-in-position switch.
- **Transition Box.** Box that creates transition from pump stand to wash bridge for hoses and cable in conjunction with IGUS tube.
- **Transmitter.** Infrared optic (eyes) used to measure vehicle length. Transmitter sends the infrared light to the receiver section of the optics.
- **Triple Foam Manifold.** Block in bridge that mixes triple foam and air and distributes mixture to triple foam wands.
- **Trolley Box.** Box above adjustable wand that houses connections between bridge and wand. Connected to rest of bridge by an IGUS tube.
- **Trolley Stop.** Stops on both ends of trolley travel that limit trolley travel.
- **Underbody Wash.** A set of floor-mounted nozzles that wash underside of vehicle.
- **Undercarriage.** See 'Underbody Wash'.



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- **V-Roller.** Roller that is thicker at side than center so it can roll on a V-shaped rail. May be fixed or floating.
 - **V-Trap Treadle.** Also called the tire-in-position switch, stop pad or stop station. Electrical (input) switch is triggered by the vehicle's tire being on the V-trap treadle.
 - **Virtual Treadle (ESP).** Ultrasonic sensor and optics used to position vehicle without a floor-mounted treadle.
 - **Wall Bracket, Offset, Control Side.** L-shaped wall bracket that supports rail and allows IGUS tube to ride through it.
 - **Wall Bracket, Straight, Non-Control Side.** Wall bracket for wall without transition box. Positioned higher than offset bracket.
 - **Wand, Adjustable.** Wand that turns to allow application of water and chemical to the front, passenger side and back of vehicle.
 - **Wand, Fixed.** Wand that constantly points toward driver's side of vehicle.
 - **Wand, Low Pressure.** PVC wand with nylon nozzles that deliver presoak and other low-pressure functions.
 - **Wand, Triple Foam.** Fixed nylon wands in corners of bridge that deliver a presoak/air foam to car.



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