



## PRO-PATCH – ASPHALT POTHOLE PATCHER

[www.pro-patch.com](http://www.pro-patch.com)

This is the Year-round economical solution to Asphalt street problems. Since 1978 the Pro-Patch Model TCM is a truck mounted, unitized Asphalt patching machine capable of making effective and permanent asphalt repairs under all weather conditions. Its unique design allows the machine to transport hot or cold asphalt pre-mix material and road oils at controlled heated temperatures. The unit's integral hydraulic system, driven by a power take-off, provides power to operate the machine's jack hammer, screw conveyor, oil pumps, asphalt agitator, and a variety of other hydraulic tools such as concrete and asphalt saws, tampers, water pumps, tree trimmers, etc. HD Industries' patented designs integrate state-of-the-art engineering and top quality workmanship from experienced craftsmen.

Pro-Patch Patents numbers are:

Patent US 5988935 - Pro-Patch Pothole Patcher Dry Heat Heating System - November 23, 1999

Patent US 7037034B2 - Safety Door & Hopper System - May 2, 2006

Patent US 6681761 - Exhaust Damper System - January 27, 2004

The Pro-Patch machine is equipped with a hydraulically driven screw conveyor for dispensing asphalt pre-mix materials. This method eliminates dump beds, shoveling and wasting of materials. A hydraulically driven asphalt agitator shaft is built into the pre-mix hopper to break up asphalt bridging due to transporting and vibratory compaction. The machine's hydraulic pavement breaker is more than efficient for cutting out potholes and asphalt failures. The hammer is also equipped with a tamper shoe for packing asphalt and base material.

The integral tack oil system is capable of working asphalt cut back road oils and emulsions. The hydraulically driven oil pump has forward and reverse capabilities. After spray sealing the repair area, simply reverse the pump to retrieve the spray wand and lines clean. A diesel tank is built into the unit to flush the system if necessary. This tank is also equipped with a pump and sprayer to clean asphalt tools and diesel the asphalt pre-mix hopper. If moisture exists, a 200,000 BTU hand-held torch is supplied to dry the repair area.

During working hours, the Pro-Patch machine is heated by two each 150,000 BTU electronically-ignited propane burners. During non-working hours, a 230-volt built-in immersion heater provides the heat to store and maintain heated pre-mix asphalt materials. The unit body is fully insulated with industrial 2" high temperature insulation, and covered with a steel jacket. The insulating factor of this machine drastically reduces the use of heating fuel. The LPG gas burner and electric heating system is thermostatically controlled with a safety shut-off on the loss of flame or excessive temperatures.

H.D. Industries is licensed by the LP Gas division of the Railroad Commission of Texas. Our employees have been trained and tested according to State regulations, thus making the LP gas system offered on the Pro-Patch as safely designed as any household furnace.

In summation: the Pro-Patch provides all of the tools and materials necessary for a one or two man crew to make effective asphalt repairs, eliminating the use of air compressors, oil distributors, and dump trucks, which reduces the manpower equipment maintenance, and minimizes the amount of equipment used in high traffic areas. The Pro-Patch, when properly utilized, will reduce the cost and increase the efficiency in street maintenance programs with 100% payback.

**Truck Requirements:** 4x2 HD Truck with 12K Front and 23K Rear Axle Capacities, Manual or Automatic Transmission, 120amp Alternator, (2) 12V Batteries, HD Radiator for Cooling and 138" CA.

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