



# H.D. Industries, Inc.

*Pro-Patch Pothole Patcher*

P.O. Box 8250 / Jacksonville, TX 75766 / (903) 586-6126 / www.pro-patch.com

## 2021 OPTIONS LIST TRUCK MOUNTED ASPHALT POTHOLE PATCHER

**Effective 12-1-21**

1. **HYDRAULIC OPERATED STEEL TOP DOORS**

Two (2) hydraulically operated bi-fold steel top doors with hex brake for rigidity. Doors are insulated with 2" of high temperature insulation in a double steel jacket. The doors have rain seal caps and flex plates to keep asphalt out of door hinges. Each door shall have a 1 1/2" bore with 13" stroke hydraulic cylinder with bypass and flow control valves. The controls for doors are at the front of the unit behind truck cab passenger side.

With	12	VDC	in-cab	door	controls
.....					
Single Fold Hydraulic Doors .....					

2. **EMULSION REJUVENATOR**

The tank is equipped with an automatic rejuvenation system, US patent pending No. 16597547, that will help keep the emulsion oil from separating which will prevent pump and lines from clogging up and eliminate sludge and build-up in the tank.

3. **ASPHALT HEAT RISER PLATES**

Asphalt Heat Riser Plates, US Patent No. 10676877, two thermostat controlled, low density 500 watt heat riser plates that run parallel in the upper part of the asphalt hopper to keep the entire load of asphalt hot and eliminate bridging.

4. **SECONDARY AUGER MOTOR**

A secondary, hydraulic, 13,000 in.lb. Torque, variable speed booster motor installed at rear of auger to assist in dispensing bad or stiff asphalt mix. This also eliminates shearing coupler keys and bolts in the auger shaft.

5. **DUAL AUGER CONVEYOR SYSTEM**

Two (2) each, 10' Long by 6" diameter progressive screw conveyors, to reduce asphalt bridging has hard surfaced flights, welded continuously on 2" schedule 80 steel pipe and is ball bearing mounted. Conveyors are driven by two (2) each 13,000 in lbs of torque variable speed hydraulic motors fully synchronized with forward and reverse. Unit shall have a delivery chute with 120° of pivot. All bearings can be greased from ground level through feeder lines.

6. **ASPHALT SPREADER DELIVERY SYSTEM**

The asphalt spreader is hydraulic powered, ball bearing mounted 160° pivot, mounted on the rear of the main hopper auger dispensing system. Has a 52"X6" flight auger with splitter valve allowing separate speed control from hopper screw conveyor and spreader auger conveyor. The conveyor is fully enclosed with releasing agent auger cleaning ports for safety. This system eliminates asphalt build up on asphalt chutes and is only recommended for large and long utility cuts.

7. **ASPHALT SPREADER REMOTE CONTROL**

The remote control asphalt spreader is hydraulic powered, gear driven ball bearing mounted 160° pivot, mounted on the rear of the main hopper auger dispensing system. Has a 52"X6" flight auger with splitter valve allowing separate speed control from hopper screw conveyor and spreader auger conveyor. The conveyor is fully enclosed with releasing agent auger cleaning ports for safety. This system eliminates asphalt build up on asphalt chutes and is only recommended for large and long utility cuts.

8. **SPOILS BIN**

30" or 36" wide gravity dump asphalt spoils bin allows spoils to be loaded or discharged from both sides of the truck.



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9. **OPTIONAL SPOILS BIN FOR ALL ELECTRIC UNITS**  
*Although this two-piece spoils bin is offered, it is not recommended.* An optional two-piece spoils bin for all electric units. Rear mounted bin is .65 cubic yard gravity dump and side mounted bin is .55 cubic yard gravity dump. *Only all electric units are available with two-piece spoils bins.*  
 Two piece spoils bin, a .52 cubic yard rear mount, and a .75 cubic yard side mount .....
10. **HYDRAULIC DUMP SPOILS BIN**  
 1.50 cubic yard .....  
 2 cubic yard.....  
 1.25 cubic yard Hydraulic Dump .....
11. **VIBRATORY COMPACTOR PLATE**  
 A Wacker WP1550AW Compactor equipped with a 5.5 hp gasoline Honda Engine with auto oil alarm shut down. Operating weight is 196#, centrifugal force 3375#, plate size 19.5 x 23", a water tank and locking holding down brackets.  
 Dolly Attachment Part No. – 0162986 .....
12. **VIBRATORY COMPACTOR PLATE**  
 Bomag BP 25/50 Compactor Plate, 238 lbs
13. **VIBRATORY ROLLER**  
 The vibratory roller is a Bomag BW55 E with a 4 hp Honda Engine, operating weight of 351#, centrifugal force 2250# and single drum vibratory roller 22" wide, centrifugal clutch and water tank.  
 Doosan Infracore Model SX1704-595 LB Single Drum Vibratory Roller .....
14. **HYDRAULIC REAR LIFT PLATFORM FOR COMPACTOR**  
 A hydraulically operated lift platform for loading or unloading compactor plate. The platform has a safety latch in the up position, an in cab "platform down" indicator light with compactor holding down brackets and a pavement breaker mount. All controls for platform are at the rear of the unit.  
 Additional cost for platform mounted on driver's side .....  
 With Pavement Breaker Mount.....  
 Rear Lift for 600 LB Roller .....
15. **HYDRAULIC REAR LIFT FOR ROLLER**  
 A hydraulically operated lift platform for loading or unloading Bomag vibratory roller. The platform has a safety latch in the up position, an in cab "platform down" indicator light with roller hold down brackets and a pavement breaker mount. All controls for platform are at the rear of the unit.  
***Please specify: Driver's side mounted or Passenger side mounted.***  
 With Pavement Breaker Mount:.....  
 With Auto Return.....
16. **ELECTRIC HOIST**  
 A 12 volt 1 1/3 hp electric hoist is available for loading or unloading the vibratory compactor plate.
17. **PAVEMENT BREAKERS**  
 Stanley Pavement Breaker, complete with quick couplers, asphalt cutter with lockable transporting bracket.  
**A.** BR45 lb. Hydraulic Hammer .....  
**B.** BR67 lb. Hydraulic Hammer .....  
 Tamper and detachable shank.....



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- 18. **HYDRAULIC TOOL LINE HOSE REEL**  
Shall be 3000 PSI with dual 25' hydraulic tool lines. Reel is spring loaded auto-retractable.  
Hydraulic Tool Line Hose Reel with Reel Cover
  
- 19. **INSULATED TARP TOP COVER**  
The tarp is a double form fitted 2" insulated tarp with tie downs. The tarp material is capable of sustaining 500 degrees F.
  
- 20. **DIESEL FUEL / RELEASING AGENT HOSE REEL**  
Hose reel for diesel fuel / Releasing Agent spray wand has 20' of hose. Reel is spring loaded auto-retractable.
  
- 21. **TACK OIL HOSE REEL**  
Hose reel for tack oil has 15' of hose. Reel is spring loaded auto-retractable.  
Dual Feed Hose Reel, Air and Tack
  
- 22. **HYDRAULIC AIR COMPRESSOR**  
A separate self contained 15, 25 or 35 CFM @ 125 PSI. 1200 RPM hydraulic driven air compressor with 60 PSI oil pump and cooling fan, used to blow out repair sight and other compressed air demands. Hydraulic and electric controls are located at right rear of unit. Air compressor comes with quick couplers, 20 foot air hose, 5 foot air blow gun with deadman control valve, 5 gallon air tank with cable assisted condensation drain and 150 psi relief valve.  
19 Gallon Air Received Tank .....  
25 CFM @ 125 PSI compressor with 5 gallon air tank .....  
35 CFM @ 125 PSI Compressor with 5 Gallon air tank .....  
80 PSI Protector Valve .....
  
- 22. **AIR-LINE HOSE REEL**  
An air-line hose reel with 20' of hose. Reel is spring loaded auto-retractable.
  
- 24. **DRIP PAN**  
An eight (8) gallon drip pan for waste oil combination, for flushing pump, spray wand and lines at the end of the work day, with necessary valve for draining.
  
- 25. **WATER TANK**  
A frame mounted stainless steel ten (10) gallon tank with valve and hose. Water supply for asphalt compactor plate or vibratory roller.  
25 Gallon Plastic Water Tank Mounted on Spoils Bin with 65 PSI water pump and sprayer .....  
45 Gallon Plastic Water Tank Mounted on Spoils Bin with 65 PSI water pump and sprayer .....  
50 Gallon Plastic Water Tank Mounted on Spoils Bin with 65 PSI water pump and sprayer .....  
\*\*\*\* 26, 45 & 50 gallon not available on hydraulic driven air compressor\*\*\*\*
  
- 26. **FRAME MOUNTED LP GAS BOTTLE**  
A frame mounted 35 gallon or 50 gallon capacity LP Gas Bottle with quick fill connector, 10 psi regulator and fuel sight gauge.  
50 Gallon LP Gas Bottle.....  
LP Gas Hose & Auto Retractable Reel w/ 20FT of Hose.....  
20 LB 5 Gallon LP Bottle w/ rack and 200,000 BTU Hand Torch .....



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- 27. **HANDTORCH**  
750,000 BTU Hand torch Power Jet 8017, Storm Proof Pilot w/ Transport Bracket
- 28. **FUEL**  
100 lb. (25 gallon) removable propane bottle complete with 10 PSI regulator valve.
- 29. **10-LIGHT DIRECTIONAL ARROW BOARD**  
The arrow board is an Able 2 LED 10 light with arrow flashing left, right and center warning bar. The board is mounted on the rear of the patch unit with in cab controls.  
ABLE 2 LED lights.....
- 30. **14-LIGHT DIRECTIONAL ARROW BOARD**  
State D.O.T. Approved Wanco model WSBLA-14 (L.E.D.) 14 seal beam arrow board with arrow flashing left, right and warning bar. The board is mounted on the rear of the patch unit with in cab controls.  
Wanco Model WSBLA-14 L.E.D. Arrow Board: .....  
Hydraulic 2 side Arrow Board with 20 LED lights.....  
Hydraulic 2 side Arrow Board with Center Mount Strobe with 20 LED lights .....  
Arrow Stick Superior Signal SY900 50-LED.....  
Wanco 30" x 60" LED Arrow Board 15 Light .....  
Wanco 30" x 60" LED Arrow Board 25 Light .....
- 31. **16-LIGHT DIRECTIONAL ARROW BOARD**  
State D.O.T. Approved Superior Signal model SRTA16. With 16 amber (L.E.D.) lights, 32 flash patterns, 8 patterns per function. Arrow flashing left, right, and warning bar. The board is mounted on the rear of the patch unit with in cab controls.
- 32. **STROBE LIGHT**  
Pedestal mounted Meteorlight model SY2000 LED amber, 80 double flashes per minute.
- 33. **GRILL MOUNT STROBE LIGHT**  
Superior Signal SS-SYLED04-AA, LED Amber or White 4" Front Grill Strobe Lights, 22 flash patterns.  
Price for Two (2): .....  
Price for Four (4):.....
- 34. **MAXXIMA STT RECTANGLE 6.5" OVAL TAIL LIGHTS**  
LED RED, CLEAR, AMBER, & STROBE tail lights .....
- 35. **WORK LIGHTS**  
Three (3) each 5" LED Flood Work Lights; Two (2) Rear Mount & One (1) Mount to light up inside of Hopper and LED Light-in Control Panel.
- 36. **SAND SPREADER ASSEMBLY**  
The sand spreader replaces the asphalt chute and includes variable speed hydraulic motors with in-cab controls for sand discharge rate and spread width.
- 37. **ASPHALT EDGER**  
Edger is designed to repair deteriorated shoulders on roads and repair water cuts and long trenches. Screw conveyor assembly is ball bearing mounted, conveyor is driven by a hydraulic motor with forward and reverse capabilities. Edger is powered with PTO driven load sense hydraulic pump. Unit mounts to rear of



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patch unit with 4 bolts. Has separate asphalt chute. Hydraulic splitter valve allows separate control from hopper screw conveyor to side deliver screw conveyor. Screw conveyor is fully enclosed for safety.

- 38. **PTO**  
A Muncie or Chelsea PTO Hot Shift with over speed control.  
Hot Shift 280 series (or equivalent): .....  
Hot Shift CS6 series (or equivalent): For Allison 2000 Series Transmission.....  
Muncie TG Series Electric over Air shift (or equivalent) when applicable.....  
All Electric Units – Constant mesh PTO with Direct Mount Load Sense Pump.....  
All Electric Units – Crankshaft Driven Front Mount Load Sense Pump.....  
LP Gas Units- Crankshaft Driven Front Mount Load Sense Pump.....
  
- 39. **THROTTLE CONTROL**  
An electronic engine throttle control remote rear mounted.
  
- 40. **THROTTLE CONTROL FOR MANUAL ENGINES**  
Muncie Hydro-Throttle with rear manual over-ride cable.
  
- 41. **FIRE EXTINGUISHERS**  
ABC fire extinguisher mounted on patch unit with vehicle mounting bracket.  
5 Lb. In-cab mounted extinguisher .....  
10 Lb. External mounted extinguisher .....  
20 Lb. External mounted extinguisher .....
  
- 42. **HIGHWAY WARNING TRIANGLES**  
A Highway warning triangle kit consisting of three (3) reflective triangles in a storage case.
  
- 43. **EXTRA TOOL BOX**  
A 12 gauge steel 19" x 24" x 30" with water proof locking door.
  
- 44. **WORK DECK**  
Available on units with a built-on road oil tank, the work deck is constructed of 1/4" angle iron and 3/16" expanded metal with assist hand rails and shall be mounted between hopper and truck cab. Deck provides easy and safe access to emulsion oil tank and asphalt hopper.  
18" Wide work deck:.....  
22" Wide work deck.....  
24" Wide work deck:.....  
Trailer Model, Work Deck on Front and Rear.....
  
- 45. **ASPHALT LUTE AND SHOVEL HOLDER**  
Spring loaded asphalt lute and shovel holder, mounted curb side of unit.
  
- 46. **SHOVEL CLEANER HOLDER**  
12"X12"X14" 11Guage Steel w/ 1" Drain with Fold Down Lid, Holds 3 Shovels, and Rear Mounted.
  
- 47. **SHOVELING APRON**  
Apron is constructed of 3/16" steel with fixed or folding bottom, mounted on platform below asphalt dispenser.



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Apron with fixed bottom: .....  
Apron with hinged, folding bottom: .....  
Extended Shoveling Apron w/ Hinged Folding Bottom .....

48. **LIQUID ASPHALT OIL TANK BURNER ONLY REQUIRED W/ CUT BACK ROAD OIL**

To enable units to work emulsion or asphalt cut back oils, tank is equipped with a dry radiant chamber with a 75,000 BTU LP gas retort tube burner regulated @ 10 psi, thermostat controlled, and 12 volt dc electronic igniter with safety shut-off on loss of flame or excessive temperature.

49. **TRAFFIC CONE RACK**

Set of two (2) frame mounted traffic cone racks with holding capacity of ten (10) 28" tall cones. (\$195 Each)

50. **ASPHALT LUTE**

36" wide aluminum asphalt lute with 7 ft. handle.

51. **ASPHALT SAW**

Stanley C025-541 hydraulic hand held cut off and asphalt saw.

52. **WATER COOLER**

Water Cooler and Rack – 3 gallon.....  
Water Cooler and Rack – 5 gallon.....

53. **BACKUP CAMERA**

Backup Camera RVS-770613 – Kit1 Color 7" Screen w/ audio sound.....  
Backup Camera RVS-770613 – Kit1 Color 7" Screen w/ audio sound and Mobile Mule 5500 Mobile DVR on-board  
Recording with Two (2) 128 GB SD Cards (256 GB Total) with GPS Capabilities. ....

54. **UNDERCOATING**

55. **EXTENDED SCREW CONVEYOR**

12" extension of screw conveyor and rear bearing mount bracket. Allows the asphalt to be dispensed an additional 12" from asphalt hopper.

56. **EXTENDED TRAILER TONGUE** .....

57. **SCREW CONVEYOR**

3/8" Hard surface screw conveyor .....

58. **COST TO HARD SURFACE SCREW CONVEYOR**

Hard Surfaced Screw Conveyor has hard wired bead welded on flight of auger to enhance longevity.  
Price: .....

59. **CONSPICUITY TAPE**

Conspicuity tape on both sides and rear .....

60. **BLOWER**

Stihl gas powered Hand blower, Model # BG86 .....

61. **LIFTING EYES**



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Four (4) Each Lifting Eyes.....

62. **SIGN RACK**

4' X 4' Sign Rack 84"L x 50"H x 6" Wide.....

63. **TROUGH LINER**.....

### **CUSTOM OPTIONS AVAILABLE**

#### **Option Asphalt Tack Oil Material**

1. **PHPM-50 TACK OIL**

Biodegradable tack oil, heat range spraying temperature 45° F to 85° F, and can be stored in tank 6 to 8 months without oil separation.

PHPM-50// 275 Gallon Tote .....

2. **BANANA SLIDE RELEASING AGENT**

Biodegradable releasing agent that works like diesel.

Banana Slide 5 Gallon Bucket .....

Banana Slide 55 Gallon Drum .....