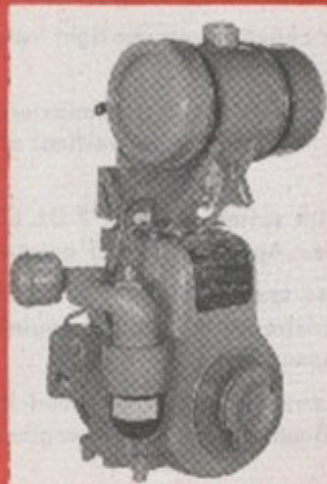


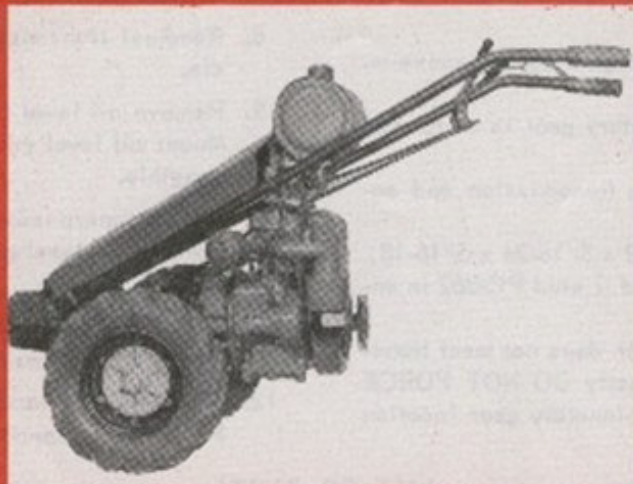
*IT WILL PAY YOU TO INSTALL A*  
**WISCONSIN**  
**MODEL BKN 7 H.P. ENGINE**  
*TAILORED FOR YOUR*

# GRAVELY TRACTOR

LIST PRICE \$213.70 F.O.B. FACTORY AVAILABLE THROUGH ALL WISCONSIN DISTRIBUTORS. Engine is complete and includes quick acting flyball governor, carburetor with automatic choke release, fast starting outside magneto with impulse coupling, spark plug and wiring, gasoline filter, especially designed oil bath air cleaner, extra heavy flywheel, adaptor plate and gear, fuel tank bracket and straps but LESS fuel tank.



View from Flywheelend  
showing Tank Bracket



View showing Adaptor

The WISCONSIN MODEL BKN HAS BEEN ADAPTED TO THE GRAVELY TRACTOR SO THAT THE MANY OWNERS OF THIS FINE MACHINE CAN TAKE ADVANTAGE OF MODERN HIGH QUALITY DESIGN, EFFICIENT PERFORMANCE AND THE BEST IN FUEL ECONOMY.

USE THIS HARD LUGGING ENGINE WHICH HAS BEEN TRIED AND FOUND TRUE ON THOUSANDS AND THOUSANDS OF MOWERS, TRACTORS, ROAD AND CONSTRUCTION MACHINERY, MATERIAL HANDLING TRUCKS AND MANY MANY OTHER JOBS WHERE THE GOING IS TOUGH. THIS ENGINE IS A FAVORITE AMONG THE RAILWAY TRACK EQUIPMENT BUILDERS WHERE ENGINES WORK FAR FROM SOURCES OF SERVICE AND WHERE THEIR DEPENDABILITY IS ABSOLUTELY ESSENTIAL.

GET THESE SAME ADVANTAGES FOR YOURSELF! BUY WISCONSIN!



**WISCONSIN MOTOR CORPORATION, MILWAUKEE, WISCONSIN 53246**

# MODEL BKN FOR GRAVELY TRACTOR

## Mounting Instructions

1. Drain oil from engine and transmission.
2. Remove engine.
  - a. Disconnect oil lines and fuel lines,
  - b. Remove magneto and magneto coupling from drive shaft.
  - c. Remove fuel tank and fuel strainer (Discard fuel strainer).
  - d. Remove all engine accessories mounted on transmission.
3. The several holes in transmission housing are plugged as follows:
  - a. On some models two holes will be found on the magneto pad. Plug one into transmission with drive plug PF-137 (Plastic) or PF-98 (wood) as required.
  - b. Oil suction line with 1/8" pipe plug, XK-1.
  - c. Cap screws formerly used to mount oil filter are reused to plug these holes in transmission.
  - d. Remove stud and capscrew holding air cleaner bracket. Plug with 1/2-13 x 3/4 capscrew, XD-40.
  - e. Remove all line fitting in brass relief valve in oil filler neck and plug with 1/8" pipe plug, XK-1.
4. Install Wisconsin BKN engine to transmission unit.
  - a. Make certain that planetary gear is as far forward as possible.
  - b. Remount gasket between transmission and engine adaptor faces.
  - c. Assemble 6 studs 1-3/8 x 5/16-24 x 5/16-18, PC-362 in assembly and 1 stud PC-362 in engine adaptor.
  - d. If face of engine adaptor does not meet transmission housing face easily DO NOT FORCE in place, but recheck planetary gear location (See Item 4a).
5. Use 5/16-24 nuts, PD-10, and 5/16 lockwashers PE-4, to tighten assembly together. Turn engine over while tightening to prevent binding of parts.
5. Install fuel tank to engine.
  - a. Assemble new fuel filter, LP-43; nipple RF-794 supplied if required, to Gravelly fuel tank.
  - b. Assemble Gravelly tank to BKN engine with tank straps, PG-786, 1/4-20 x 1-3/4 round head screws XA-61; nuts PD-77 and lockwashers PE-3.
  - c. Assemble fuel line from strainer to carburetor RM-1049-B.
  - d. Bend up or cut off tip of sheet metal dust cover so it does not touch fuel tank.
6. Rebolt tractor handles to support bracket on engine.
7. Mount variable speed control on left handle.
  - a. Position to suit and mark mount hole location.
  - b. Center punch, drill with No. 21 drill and tap 10-32.
  - c. Mount control with 10-32 x 3/8 round head screws, XA-7, and No. 10 lockwashers, PE-14.
8. Readjust transmission clutch levers on right handle.
9. Remove oil level fitting on side of transmission. Mount oil level gauge, R-125, as near vertical as possible.
10. Refill transmission with suitable oil to "FULL" mark on oil level gauge. Approximately 5 quarts.
11. Fill engine with oil as specified in Instructions on name plate. See instruction plate for engine operation and maintenance data.
12. Complete data and instructions will be found in Parts and Instruction Book furnished with engine.

### LIST OF PARTS

1 BKN engine	Specification No. 151633	2 PE-3	Lockwashers, 1/4", for fuel tank straps
1 LP-43	Fuel strainer	7 PE-4	Lockwashers, 5/16", for studs
2 PG-786	Fuel tank straps	2 PE-14	Lockwashers, No. 10, for throttle control
1 R-125	Oil gauge assembly for transmission	1 PF-98	Plug for magneto hole (wood)
1 RM-1049-B	Flexible fuel line	1 PF-137	Plug for magneto hole (Plastic)
		1 RF-794	Pipe nipple for fuel strainer
		2 XA-7	Screws, 10-32 x 3/8, for throttle control
		2 XA-61	Screws, 1/4-20 x 1-3/4 round head, for fuel tank straps.
		1 XD-40	Screw, 1/2-13 x 3/4 Hex, head
		2 XK-1	Pipe plugs, 1/8 square head

### HARDWARE

7 PC-362	Studs, 1-3/8 x 5/16-18 x 5/16-24
7 PD-10	Nuts, 5/16-24, for studs
2 PD-77	Nuts, 1/4-20, for fuel tank straps

DISTRIBUTED BY-