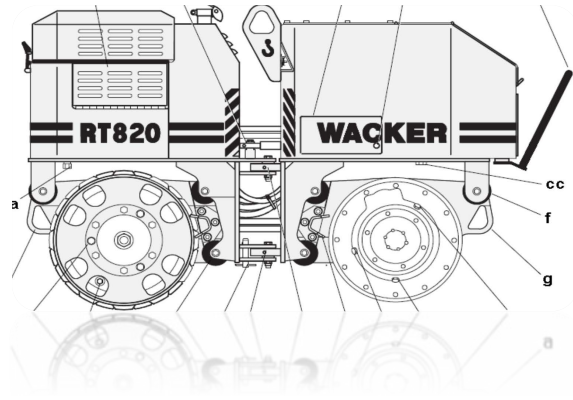


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Equipment Info.	Make/Type/Size/Model	Wacker Roller RT820
Material Needed	Operating Manual	
	Orange Cones Laid Out for Hands-On Handling	Hard Hat-Safety Glasses-Work Boots-Hearing Protection

Operating Safety

Familiarity and proper training are required for the safe operation of Brieser Construction's mechanical equipment!

Equipment operated improperly or by untrained personnel can be dangerous! Read the operating instructions and familiarize yourself with the location and proper use of all controls. Inexperienced operators shall receive instruction from Brieser personnel familiar with the equipment before being allowed to operate the machine.



- Check that all safety devices and guards are in place before starting machine! **DO NOT** operate machine if any safety devices or guards are missing or inoperative.
- Disengage locking pin for the articulated joint before operating machine. The machine cannot be steered when the locking pin is engaged.
- Check that all controls are functioning properly immediately after start-up! **DO NOT** operate machine unless all controls operate correctly.
- Remain aware of changing positions and movement of other equipment and personnel on the jobsite.
- Remain in visual contact with machine at all times while operating controls.
- Remain aware of changing surface conditions and use extra care when operating over uneven ground, on hills or over coarse material. The machine could shift or slide unexpectedly.
- Use caution when operating near the edges of pits, trenches or platforms. Check to be sure ground surface is stable enough to support the weight of the machine and there is no danger of the roller sliding, falling or tipping.
- Position yourself safely when operating machine in reverse or on hills. Leave enough space between yourself and the machine so you will not be placed in a hazardous position should the machine slide or tip.

APPLICATION

THIS MACHINE IS DESIGNED FOR COMPACTION OF SUB BASES AND BACKFILL FOR FOUNDATIONS, ROADS, PARKING LOTS, ETC. A SELECTION OF TWO VIBRATION MODES ENSURES EXCELLENT COMPACTION OF COHESIVE-TYPE SOILS, AS WELL AS LOOSE SOILS AND GRAVEL. THE DRUMS PROTRUDE PAST THE MACHINE FRAME, MAKING IT IDEALLY SUITED FOR WORKING ALONG TRENCH WALLS, EXCAVATIONS AND BACKFILL APPLICATIONS.

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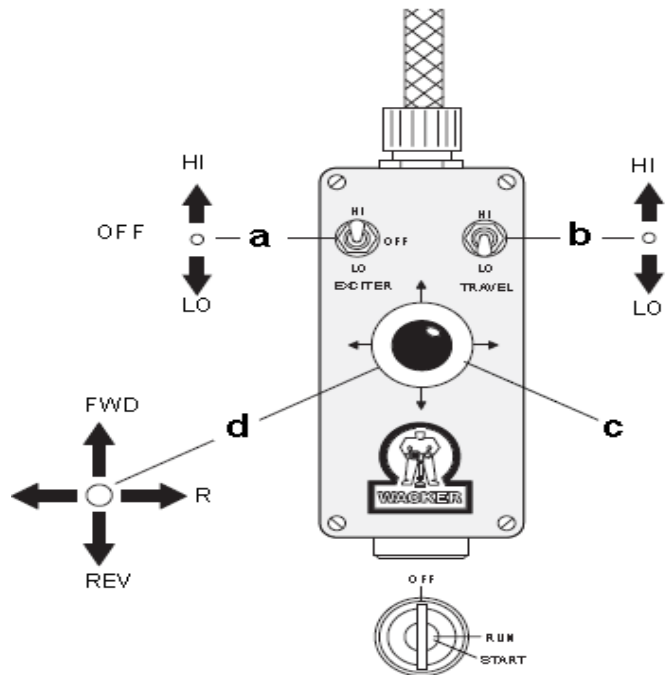
REMOTE CONTROL FEATURES

THIS MACHINE IS DESIGNED SPECIFICALLY FOR REMOTE CONTROL OPERATION. THIS PROTECTS THE OPERATOR BY KEEPING HIM A SAFE DISTANCE AWAY FROM THE MACHINE AND THE WORK AREA DURING OPERATION. WHEN USED IN EXCAVATIONS, IT ALLOWS THE OPERATOR TO STAND SAFELY ABOVE THE TRENCH, RATHER THAN IN IT.

BEFORE STARTING

BEFORE STARTING THE MACHINE, CHECK THE FOLLOWING:

1. ENGINE OIL LEVEL
2. CONDITION OF AIR CLEANER
3. FUEL LEVEL
4. HYDRAULIC FLUID LEVEL



STARTING

1. CHECK THAT THE VIBRATION SWITCH ON THE CONTROL BOX IS CENTERED IN THE OFF POSITION AND THAT THE ON/OFF SWITCH IS IN THE OFF POSITION.
2. PULL THROTTLE CONTROL UP TO OPEN ENGINE THROTTLE. LOCK IN POSITION BY ROTATING HANDLE CLOCKWISE UNTIL TIGHT.
3. TURN KEY SWITCH ON MACHINE TO THE ON POSITION. SET ON/OFF SWITCH ON THE CONTROL BOX TO THE ON POSITION. PRESS IN THE ENGINE START BUTTON AND HOLD IT DOWN UNTIL ENGINE STARTS. LEAVE THE KEY SWITCH AND THE ON/OFF SWITCH ON WHILE OPERATING ROLLER. **CAUTION: DO NOT** CRANK THE ENGINE MORE THAN 15-20 SECONDS AT A TIME OR STARTER MOTOR MAY OVERHEAT. WAIT 30-45 SECONDS BETWEEN START-UP ATTEMPTS SO STARTER MOTOR CAN COOL DOWN.
4. ALLOW ENGINE TO WARM UP FOR A FEW MINUTES BEFORE OPERATING MACHING. THE YELLOW INDICATOR LIGHT ON TOP OF THE MACHINE WILL COME ON WHEN THE KEY SWITCH IS FIRST TURNED ON AND WILL BEGIN FLASHING WHEN THE ON/OFF SWITCH ON THECONTROL BOX IS SWITCHED ON. IT WILL CONTINUE TO FLASH WHILE THE MACHINE IS RUNNING.

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COLD WEATHER STARTING

THE ENGINE IS EQUIPPED WITH A GLOW PLUG SYSTEM TO PREHEAT THE INTAKE MANIFOLD AND IMPROVE COLD WEATHER STARTS. THE PREHEAT BUTTON IS LOCATED NEXT TO THE KEY SWITCH ON THE MACHINE CONTROL PANEL. HOLD THE BUTTON IN FOR 10-20 SECONDS TO PREHEAT INTAKE MANIFOLD. CRANK ENGINE IMMEDIATELY AFTER RELEASING BUTTON. **DO NOT HOLD PREHEAT BUTTON IN LONGER THAN 30 SECONDS OR THE GLOW PLUG SYSTEM MAY BE DAMAGED.**

SHUTTING MACHINE OFF

TURN VIBRATION OFF. UNLOCK THROTTLE CONTROL AND PUSH IT IN TO RETURN ENGINE TO IDLE. SET ON/OFF SWITCH TO THE OFF POSITION TO CLOSE FUEL VALVE AND STOP ENGINE. TURN KEY SWITCH ON MACHINE OFF. **NOTE:** THE ENGINE CAN NOT BE SHUT DOWN USING THE THROTTLE LEVER IT ONLY RETURNS THE ENGINE TO IDLE.

EMERGENCY STOP

PRESS EMERGENCY STOP BUTTON AT ANYTIME DURING OPERATION TO STOP MACHINE. THE EMERGENCY STOP BUTTON DISCONNECTS THE VIBRATION AND TRAVEL SWITCHES ON THE CONTROL BOX AND SETS THE PARKING BRAKE. PRESSING THE STOP BUTTON DOES NOT SHUT OFF THE ENGINE.

TRAVEL SPEED

A TWO-POSITION SWITCH LOCATED ON THE LEFT SIDE OF THE CONTROL BOX CONTROLS TRAVEL SPEED. THERE ARE TWO TRAVEL SPEEDS AVAILABLE: HIGH SPEED TRAVEL FOR MOVEMENT AROUND THE JOBSITE AND LOW SPEED TRAVEL FOR COMPACTION.

HIGH SPEED TRAVEL OPERATES ONLY IN FORWARD. WHEN OPERATING IN HIGH SPEED THE VIBRATION FUNCTION BECOMES INOPERATIVE. ALTHOUGH VIBRATION WILL AUTOMATICALLY STOP WHEN SWITCHING TO HIGH SPEED, IT IS RECOMMENDED THAT THE VIBRATION SWITCH BE SET TO THE OFF POSITION. THIS WILL PREVENT VIBRATION FROM COMING ON UNEXPECTEDLY WHEN SWITCHING BACK TO LOW SPEED.

VIBRATION

TWO VIBRATION MODES ARE AVAILABLE: HIGH AND LOW. LOW VIBRATION IS TYPICALLY USED FOR SHALLOW LIFTS WHERE ONLY A THIN LAYER OF GROUND NEEDS COMPACTED, OR IN AREAS WHERE HEAVY COMPACTION COULD DAMAGE

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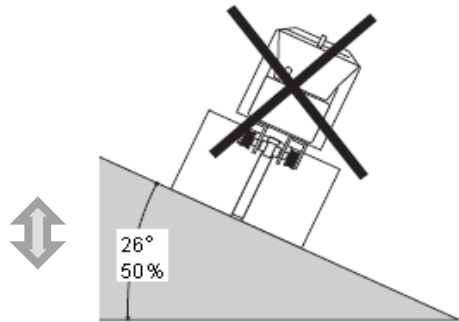
STRUCTURES, SUCH AS OVER PIPES OR ALONG THE SIDE OF FOUNDATIONS. HIGH VIBRATION CAN BE USED IN MOST OTHER APPLICATIONS, AND IS PREFERRED FOR COHESIVE-TYPE SOILS WITH HEAVY CLAY CONTENT. VIBRATION OPERATES ONLY WITH THE MACHINE IN THE LOW SPEED TRAVEL MODE. A THREE-POSITION SWITCH LOCATED NEXT TO THE TRAVEL SWITCH ON THE CONTROL BOX CONTROLS VIBRATION.

TO START VIBRATION, FIRST SET MACHINE TO LOW SPEED TRAVEL, THEN SET VIBRATION SWITCH TO EITHER HIGH OR LOW VIBRATION. POSITION SWITCH IN THE CENTER POSITION TO STOP VIBRATION. BECAUSE THE EXCITER WEIGHTS MUST REVERSE DIRECTION WHEN SWITCHING BETWEEN VIBRATION MODES, THERE IS A TEN SECOND DELAY BUILT INTO THE VIBRATION CIRCUIT.

CAUTION: DO NOT RUN VIBRATION OVER HARD SURFACES LIKE CONCRETE OR COMPACTED ASPHALT, DRUM BEARINGS CAN BE DAMAGED.

DIRECTION AND STEERING CONTROLS

TWO SWITCHES ON THE CONTROL BOX CONTROL THE MOTION OF THE MACHINE. ONE CONTROLS STEERING, LEFT/RIGHT, AND THE OTHER DIRECTION, FORWARD/REVERSE. TO OPERATE, PRESS SWITCH WITH THUMB IN DIRECTION DESIRED. SWITCHES RETURN TO THEIR NEUTRAL POSITION WHEN RELEASED.



SAFETY BACK UP BAR

A SAFETY BAR IS MOUNTED TO THE REAR SECTION OF THE MACHINE BEHIND THE CONTROL PANEL. **THE SAFETY BAR OPERATES IN REVERSE ONLY!** IF THE MACHINE BACKS INTO AN OBSTRUCTION OR FOR SOME REASON THE

OPERATOR BECOMES TRAPPED BEHIND IT, THE BAR WILL BE PRESSED FORWARD AND STOP THE MACHINE. THE MACHINE WILL RESUME REVERSE TRAVEL WHEN THE BAR IS RELEASED.

OPERATION ON SLOPES

WHEN OPERATING ON SLOPES OR HILLS, SPECIAL CARE MUST BE TAKEN TO REDUCE THE RISK OF PERSONAL INJURY OR DAMAGE TO THE EQUIPMENT. WHENEVER POSSIBLE, OPERATE MACHINE UP AND DOWN HILLS RATHER THAN FROM SIDE TO SIDE TO IMPROVE STABILITY AND REDUCE THE POSSIBILITY OF A ROLL OVER. FOR SAFE OPERATION RESTRICT USE TO SLOPES OF 25% GRADE OR LESS.

ENGINE SPEED

DURING OPERATION RUN ENGINE AT FULL THROTTLE (2600RPM). THIS ENSURES MAXIMUM EXCITER SPEED AND WILL PRODUCE THE BEST COMPACTION.

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PARKING BRAKE

THE ROLLER IS EQUIPPED WITH A HYDRAULICALLY RELEASED PARKING BRAKE LOCATED IN THE FRONT DRUM ASSEMBLY. THE BRAKE IS NORMALLY ON AND RELEASES ONLY AFTER THE ENGINE STARTS AND SUFFICIENT HYDRAULIC PRESSURE IS PRESENT IN THE SYSTEM. THE BRAKE WILL AUTOMATICALLY ENGAGE WHEN THE ENGINE IS TURNED OFF, HYDRAULIC PRESSURE IS LOST, OR THE EMERGENCY STOP BUTTON IS PRESSED. IF THE EMERGENCY STOP BUTTON WAS USED TO STOP THE MACHINE, IT MUST BE RESET TO RELEASE THE BRAKE.

Hands on Field Exercises

- Pre-trip
- Proper operations
- Shutdown

A. Participant Field Exercises

Participants will partake in the following hands-on activities

- a. Perform a pre-trip inspection of the Wacker Roller
- b. Demonstrate proper Wacker Roller remote control operations
- c. Completing a serpentine course
- d. Completing a 360 degree turn around course
- e. Completing a figure 8 course

Note: This STT does not necessarily cover all possible hazards associated with this equipment and should be used in conjunction with other references (Owner's Manual & Brieser Safety Manual). It is designed as a guide to be used to compliment training and as a reminder to users prior to equipment use.

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EMPLOYEE NAME (Print or Type)	EMPLOYEE SIGNATURE	TRADE	JOB TITLE
1.			
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