

LeTourneau

**Service, Operator's,
& Parts Manual**

R8

Cable Control

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LE-SOP-R8CC

Service, Operator's, & Parts Manual

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THE LeTOURNEAU MODEL "R" SERIES POWER CONTROL UNIT

The LeTourneau Power Control Unit is the "heart" of all LeTourneau earthmoving and construction equipment. Through its action, LeTourneau Scrapers, Dozers, Rooters, Cranes, etc., are given the power with which to do their work—through its quick, positive response to the movement of the control levers, the operator can accurately control and manipulate the working parts of this equipment.

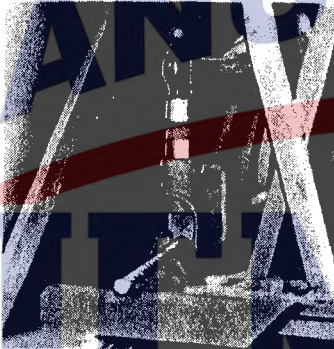
LeTourneau Model "R" Series Power Control Units have two cable drums and are designed for mounting on the rear of Caterpillar Tractors. A take-off shaft, known as the "spline shaft," connects the Power Control Unit with the tractor upper transmission shaft, and through this connection the Power Control Unit is driven by the tractor engine.

Control cables (wire ropes) extend from the Power Control Unit cable drums to the equipment that is being operated by the Power Control Unit. Two control levers (one for each drum) extend up behind the tractor seat and are within easy reach of the operator. By movement of these control levers, the operator can at will cause the control cables to be either spooled on or unspooled off the cable drums, thereby operating the various working parts of the Scraper, Dozer, or other equipment being operated by the Power Control Unit.

CABLE

LeTourneau Model R Series Power Control Units are designed for use with Tournarope or other high quality wire rope meeting the following specifications:— 6 x 19 wire rope of Warrington construction with strand center, preformed, Langlay, and made from improved plow steel. It should be internally lubricated during the manufacturing process. (Similar cable of equal construction can be used without harmful results.)

For size of cable (diameter and length), refer to the Parts Catalog covering the particular piece of equipment being operated by the Power Control Unit.



CABLE CUTTER

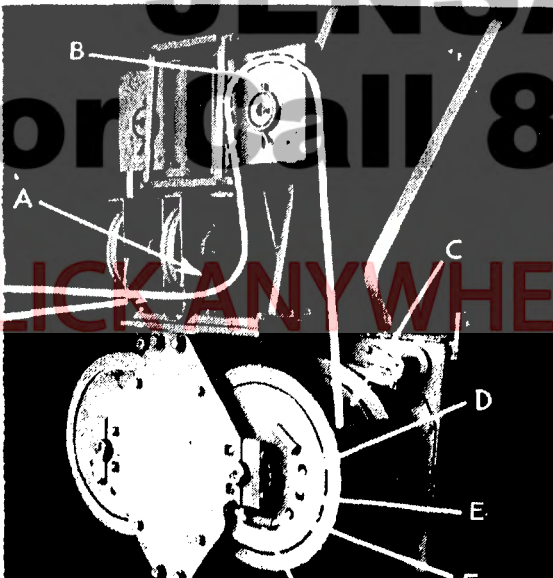
The purpose of the cable cutter, which is mounted on top of the Power Control Unit, is to cut cable, as illustrated.

Cutting speed and ease depend on the sharpness and accuracy of the blows, and a 4 or 5 pound hammer is of sufficient size.

CABLE THREADING

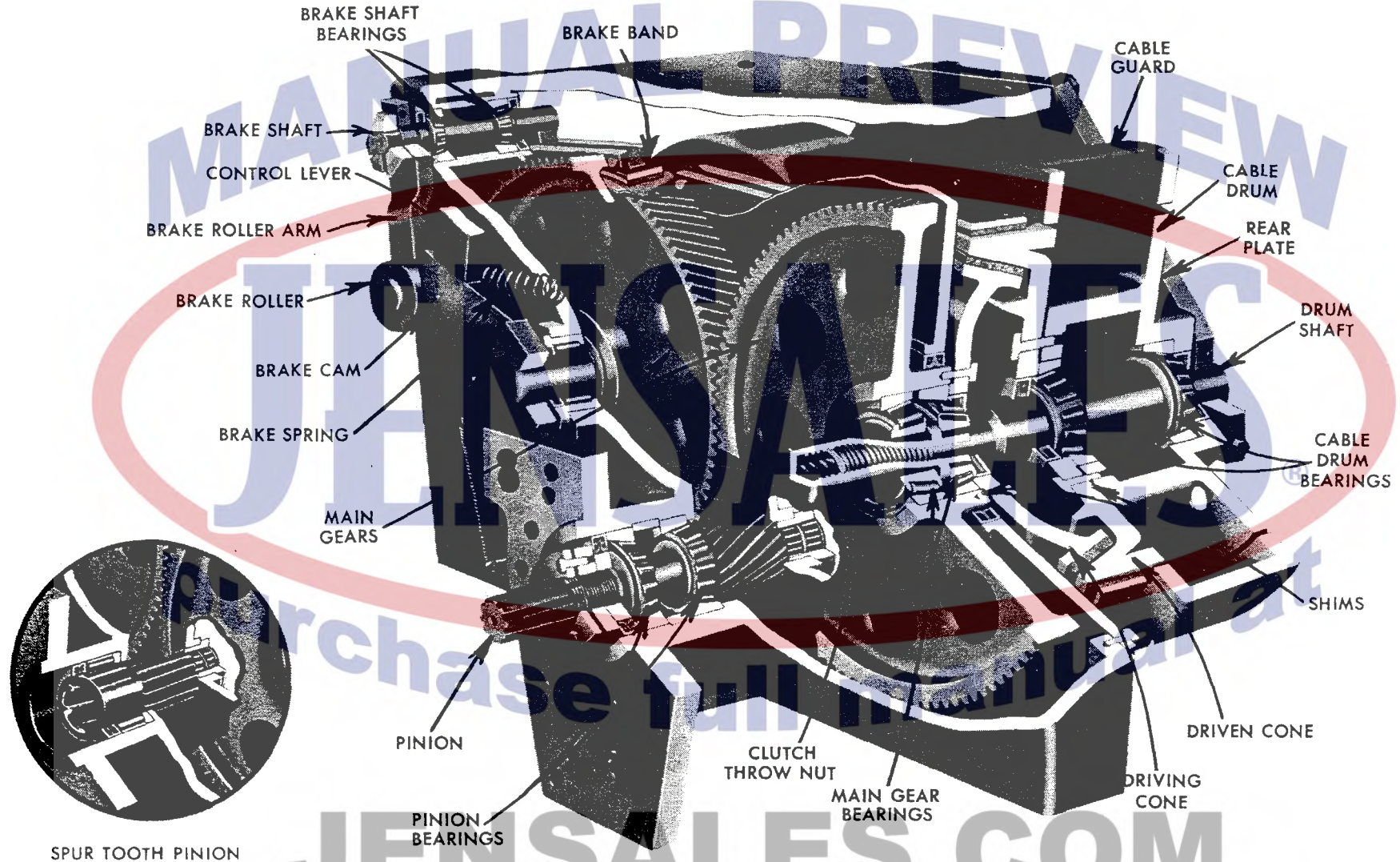
As a safety measure, cable threading, as outlined below, should not be attempted when the tractor engine is running with the flywheel clutch engaged.

To correctly thread the cable through the double-deck sheave assembly and onto either the right or left cable drum, first enter one end of the cable into the bottom of the lower sheave housing (A) and out through hole in rear of housing, pulling several feet of slack in the cable. Then insert cable back through hole in rear of housing (A) and up and over sheave housing (B), pulling cable up tight, and then down to cable drum (C). Then extend the end of the cable out through hole (D) in the cable drum flange, pulling a few feet of cable through the hole. Then insert the cable back through hole (E) and out through hole (F), not drawing cable tight through holes. Extend the end of the cable through loop (G), allowing approximately 1" of the cable to protrude from end of loop.



Hold the end of the cable in this position and pull all slack between loop (G) and hole (F) back through hole (F). Then pull all slack between holes (F) and (E) out through hole (E), and all slack between holes (E) and (D) back through hole (D), drawing the cable tight. Then, with the tractor motor idling and the flywheel clutch engaged, engage the Power Control Unit clutch and spool the slack cable evenly onto the cable drum.

CLICK ANYWHERE FOR MORE DETAILS



CUT-AWAY VIEW OF MODEL R POWER CONTROL UNIT

or Call 800-443-0625

CLICK ANYWHERE FOR MORE DETAILS