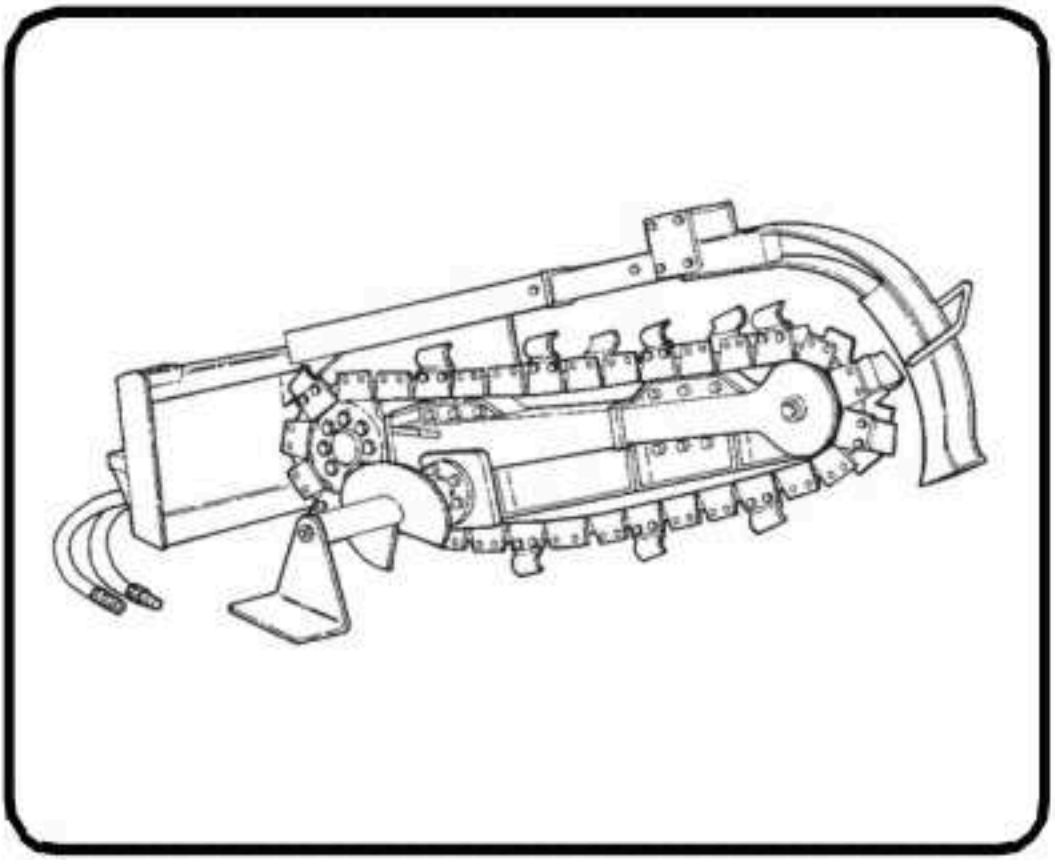
Bobcat

Service Manual
Trencher

(LT 102) S/N 233600101 & Above
(LT 102A) S/N 233700101 & Above
(MX 102) S/N 233900101 & Above
(LT 203) S/N 706200101 & Above
(LT 204) S/N 420400101 & Above
(LT 303) S/N 420500101 & Above
(LT 304) S/N 690900101 & Above
(LT 305) S/N 247100101 & Above
(LT 405) S/N 705100101 & Above
(LT 405) S/N 610000101 & Above



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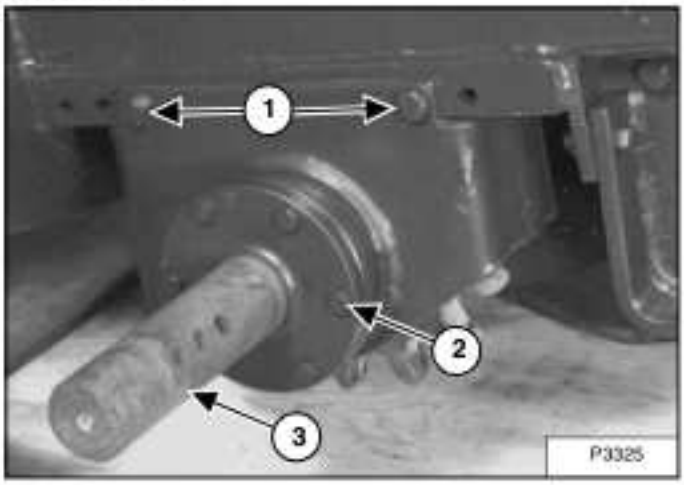
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(LT405) Drive Shaft Removal And Installation

Remove the augers. (See (LT303 & LT304) Removal And Installation on Page 30-10-3.)(See (LT405) Removal And Installation on Page 30-10-7.)

Remove the digging chain. (See DIGGING CHAIN on Page 30-40-1.)

Figure 30-10-21

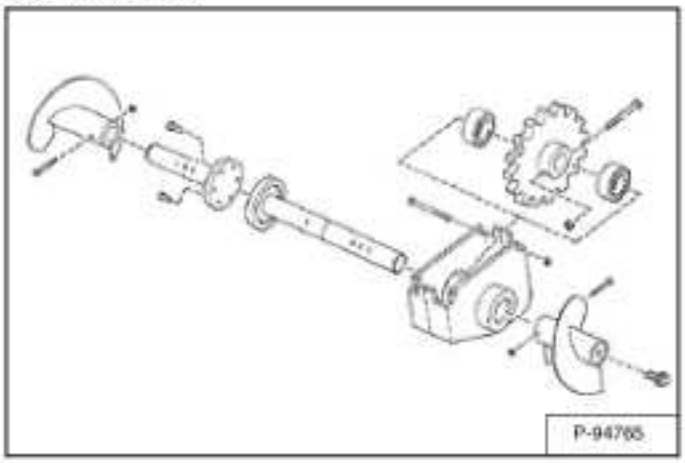


Remove the drive shaft assembly mounting bolts and nuts (Item 1) **[Figure 30-10-21]**.

Remove the drive shaft assembly from the boom.

NOTE: When the trencher boom is side shifted all the way to the right; remove the auger, the bolts (Item 2) and auger drive shaft (Item 3) [Figure 30-10-21] so the trencher can dig closer to a building.

Figure 30-10-22



Disassemble and assemble the drive shaft assembly as shown **[Figure 30-10-22]**.

Inspect the parts for wear and damage, replace the parts as needed.

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SPECIFICATIONS

LT102 Dimensions

- All dimensions are shown in inches. Respective metric dimensions are given in millimeters enclosed by parentheses.
- Where applicable, specifications conform to **SAE and ISO** standards and are subject to change without notice.

Drawing

Not Available

DESCRIPTION	LT102 TRENCHER
Headshaft RPM	201 RPM @ 13 GPM (49 L/min.)
Chain Speed	310 ft./min. (94 m/min.) @ 13 GPM (49 L/min.)
Auger Size	12.0 in. (305 mm) diameter x 15 in. (381 mm) length
Auger Speed	201 RPM @ 13 GPM (49 L/min.)
Digging Attachment Positions	Center of loader
Boom Angle	15° Up (Transport) 60° Down (Trenching)
Boom Length (Digging Depth)	24.0 in. (610 mm)
Chain Size	1.654 in. (42 mm)
Chain Width	4.0 in. (102 mm)
Operating Weight - (Including Chain with Digging Teeth)	520 lb. (236 kg)
Mount Weight (463)	150 lb. (68 kg)
Mount Weight (553, 751 & 753)	203 lb. (92 kg)
Hydraulic Motor Displacement	14.9 in.3/Rev. (244 cm3/Rev.)
Flow Range	8 - 15 GPM (30 - 56,5 L/min.)
Max. Operating Pressure	3000 PSI (20669 kPa)

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