



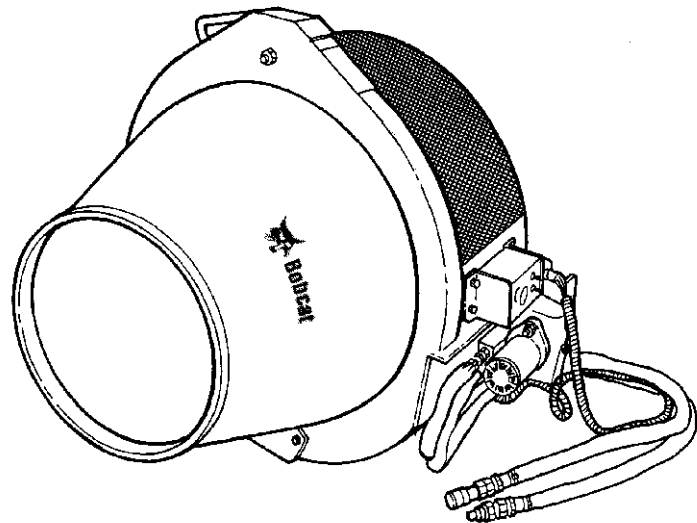
Bobcat®

Concrete Mixer

Service Manual

S/N 678500101 & Above

S/N A01600101 & Above



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SAFETY AND MAINTENANCE

SAFETY AND MAINTENANCE

LUBRICATION	10-20-1
INSPECTION	10-30-1
Concrete Mixer Mount Inspection	10-30-3
Hand Lever Bob-Tach Inspection.....	10-30-1
Power Bob-Tach Inspection.....	10-30-2
TROUBLESHOOTING	10-10-1

HYDRAULIC SYSTEM

HYDRAULIC CONTROL VALVE	20-20-1
Assembly	20-20-7
Disassembly	20-20-4
Parts Identification	20-20-3
Removal And Installation	20-20-1
HYDRAULIC MOTOR	20-10-1
Disassembly And Assembly	20-10-4
Inspection	20-10-8
Parts Identification	20-10-3
Removal And Installation	20-10-1
Timing The Hydraulic Motor	20-10-8

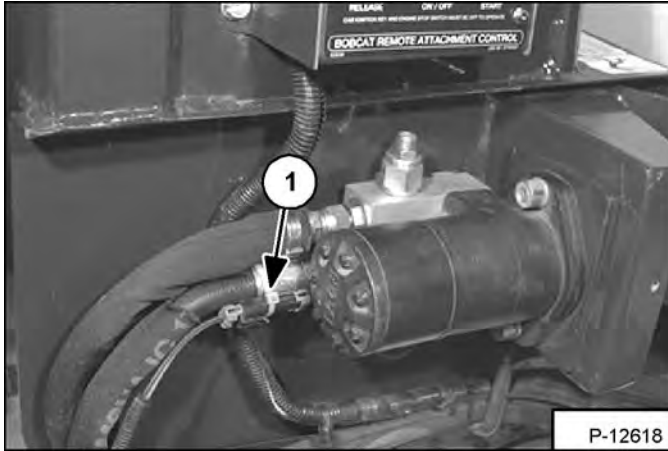
HYDRAULIC SYSTEM

HYDRAULIC CONTROL VALVE

Removal And Installation

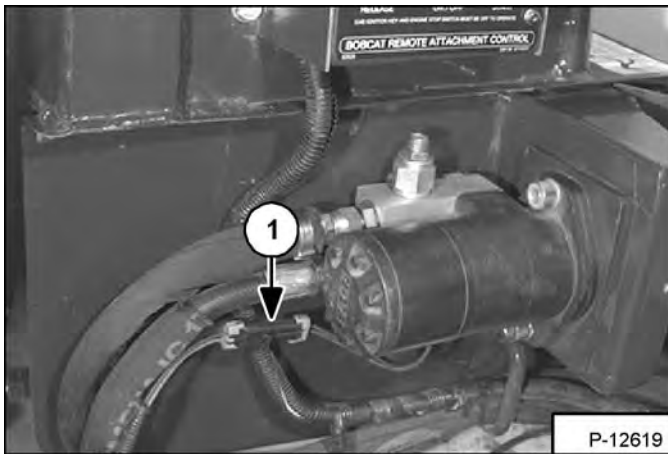
Remove the mixing drum drive chain. (See Removal And Installation on Page 30-50-2.)

Figure 20-20-1



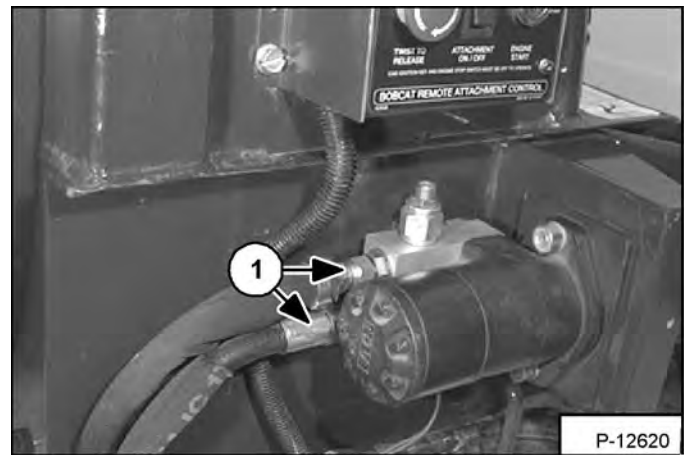
Cut and remove the cable tie (Item 1) [Figure 20-20-1].

Figure 20-20-2



Disconnect the wire harness (Item 1) [Figure 20-20-2].

Figure 20-20-3



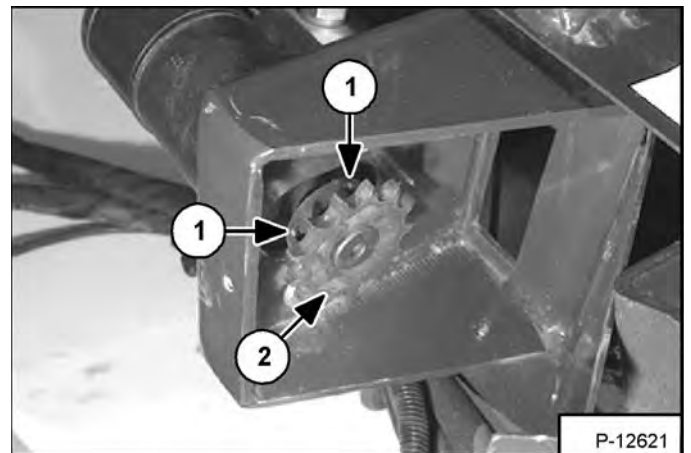
Mark and remove the hydraulic hoses (Item 1) [Figure 20-20-3].

IMPORTANT

When repairing hydrostatic and hydraulic systems, clean the work area before disassembly and keep all parts clean. Always use caps and plugs on hoses, tubelines and ports to keep dirt out. Dirt can quickly damage the system.

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Figure 20-20-4



Loosen the two set screws (Item 1) [Figure 20-20-4].

Remove the gear (Item 2) [Figure 20-20-4].

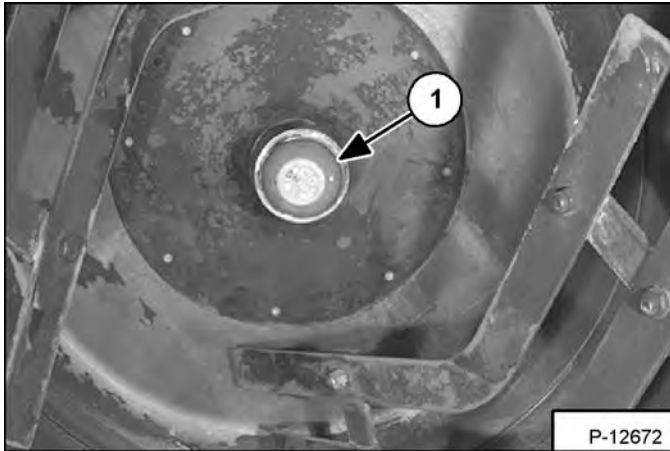
BEARING

Removal

Remove the mixing drum drive chain. (See Removal And Installation on Page 30-50-2.)

Remove the shaft mount. (See Removal And Installation on Page 30-80-1.)

Figure 30-10-1



Remove the grease cap (Item 1) [Figure 30-10-1].

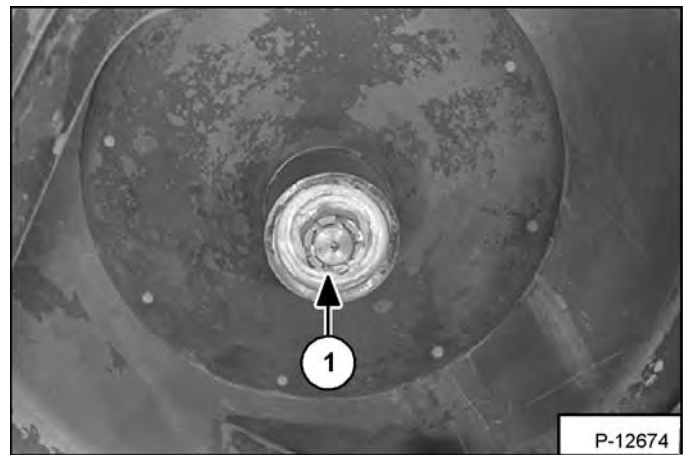
NOTE: If the grease cap cannot be removed, the inner drum assembly will have to be removed for bearing removal. (See Removal And Installation (S/N 678500101 & Above) on Page 30-40-1.)

Figure 30-10-2



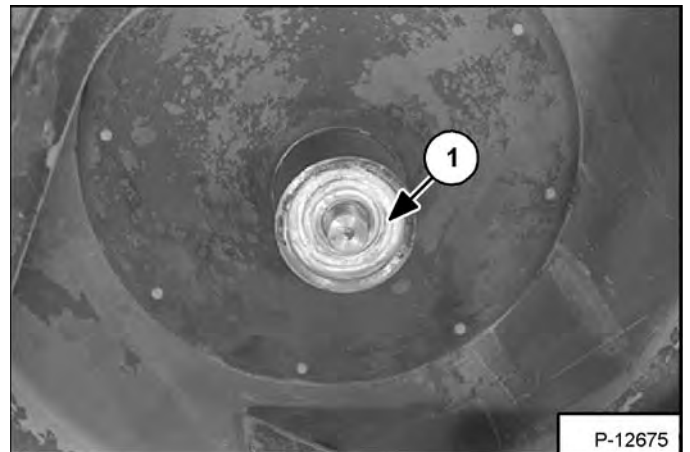
Remove the cotter pin (Item 1) [Figure 30-10-2].

Figure 30-10-3



Remove the nut (Item 1) [Figure 30-10-3].

Figure 30-10-4



Remove the washer (Item 1) [Figure 30-10-4].

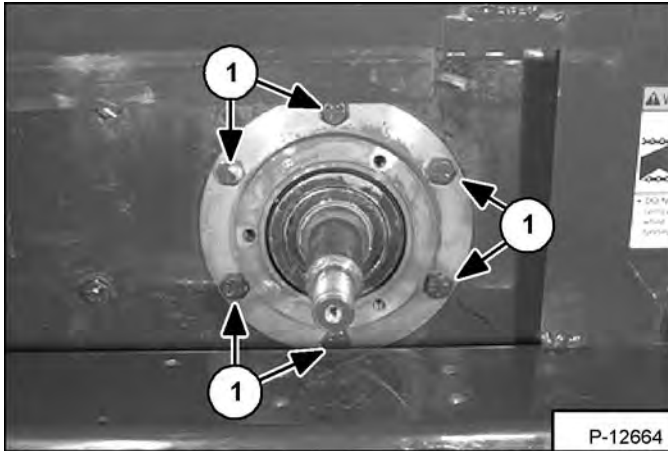
INNER DRUM

Removal And Installation (S/N 678500101 & Above)

Remove the mixing drum drive chain. (See Removal And Installation on Page 30-50-2.)

Remove the mixing drum drive sprocket. (See Removal And Installation on Page 30-60-1.)

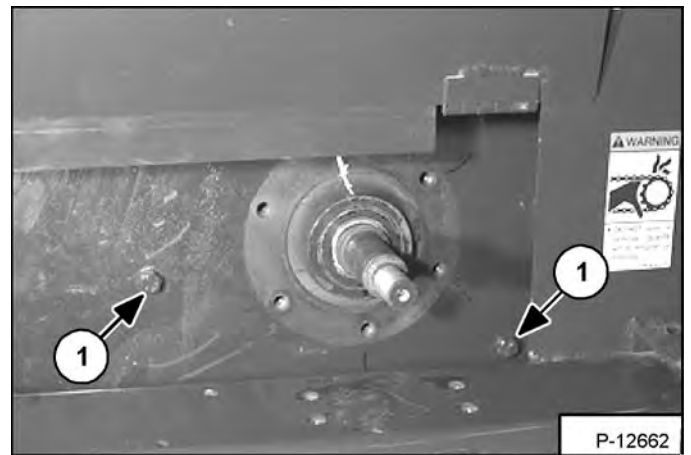
Figure 30-40-1



Remove the six bolts (Item 1) and sprocket mount (Item 2) [Figure 30-40-1].

Installation: Tighten the bolts to 65-70 ft.-lb. (88-95 N•m) torque.

Figure 30-40-2



Mark the inner drum to outer drum for ease of assembly [Figure 30-40-2]. The bolt spacing between the sprocket mount and inner drum mount bolts is not equal and the inner drum can only be installed one way.

Remove the eight bolts (Item 1) [Figure 30-40-2].

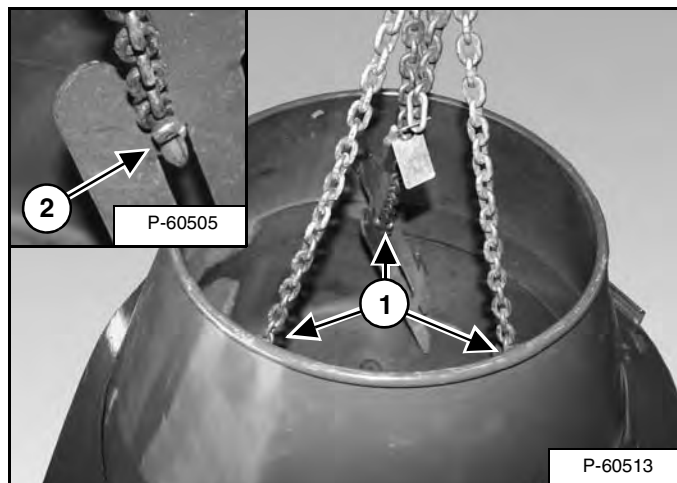
Installation: Tighten the bolts to 65-70 ft.-lb. (88-95 N•m) torque.

Remove the inner drum.

DRUM (CONT'D)

Removal And Installation (S/N A01600101 & Above) (Cont'd)

Figure 30-41-9



Install chains (Item 1) to the mixing blades (Item 2)
[Figure 30-41-9].

Figure 30-41-10



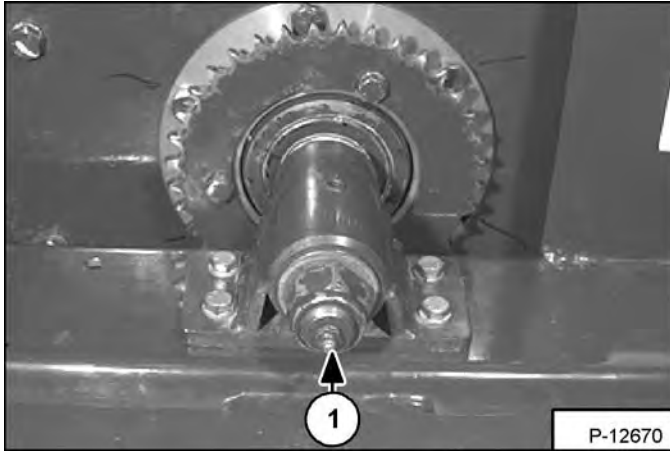
Remove inner drum [Figure 30-41-10].

SHAFT MOUNT

Removal And Installation

Remove the mixing drum drive chain. (See Removal And Installation on Page 30-50-2.)

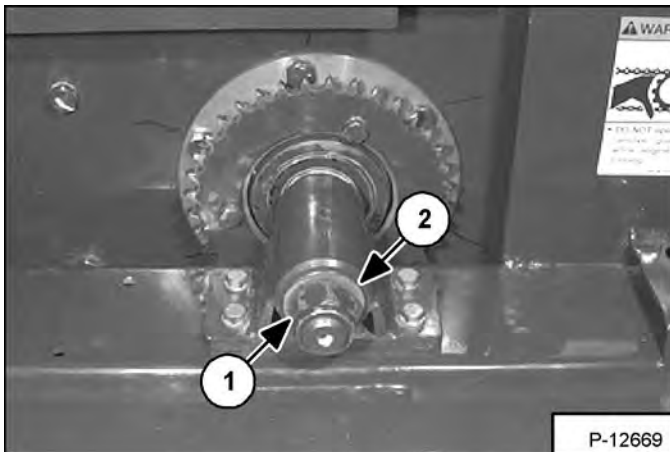
Figure 30-80-1



Remove the grease fitting (Item 1) [Figure 30-80-1].

NOTE: Remove the grease fitting to prevent possible damage to the fitting.

Figure 30-80-2



Remove the lock nut (Item 1) and washer (Item 2) [Figure 30-80-2].

Installation: Tighten the nut to 25 0 ft.-lb. (339 N•m) torque.

Figure 30-80-3

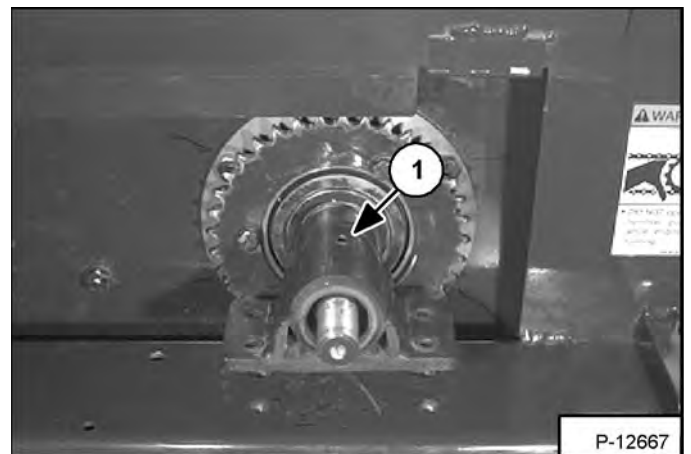


Remove the shaft mount bolts and lock washers (Item 1) [Figure 30-80-3].

Installation: Tighten the bolts to 25-28 ft.-lb. (34-38 N•m) torque.

Block up the rear of the drum.

Figure 30-80-4



Loosen the set screw (Item 1) [Figure 30-80-4].

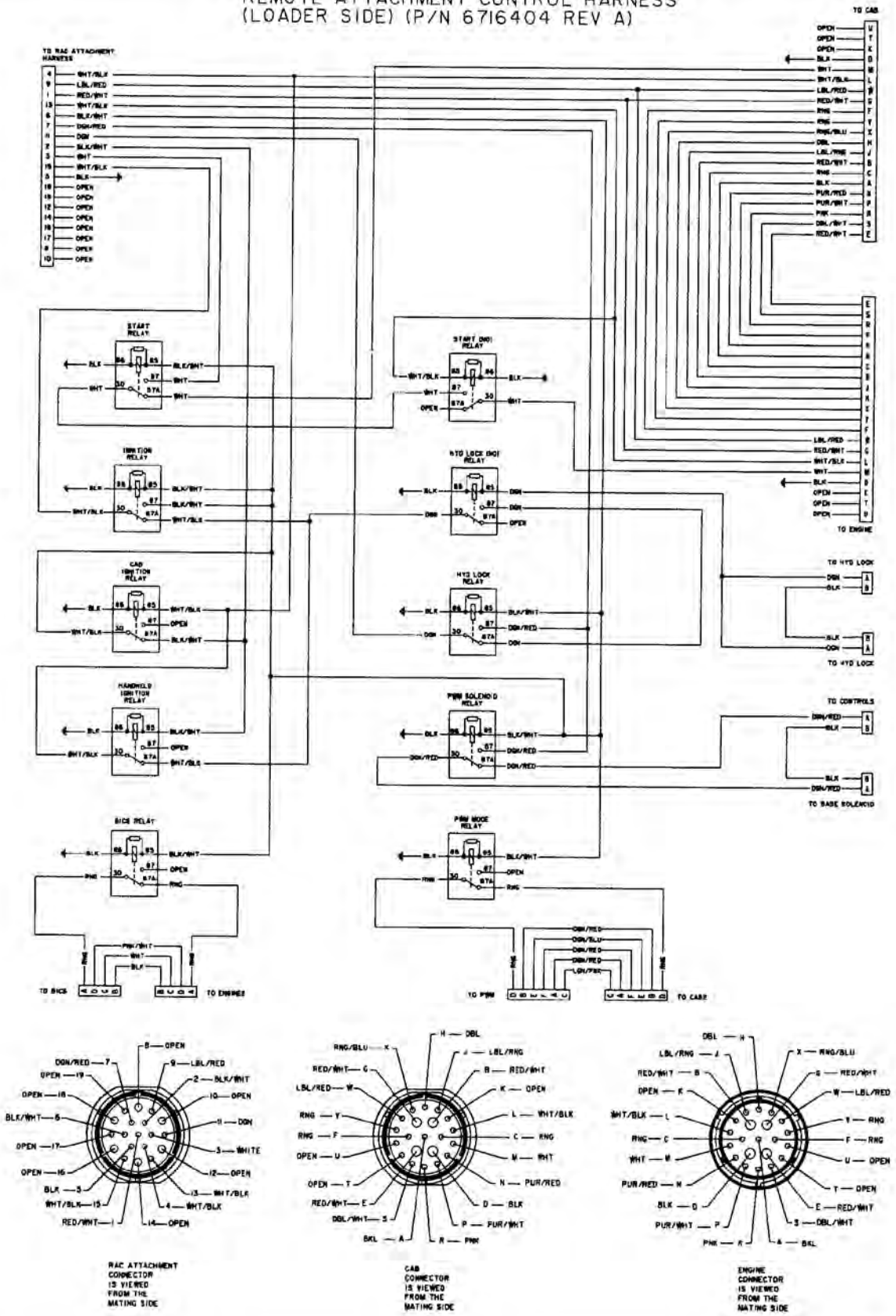
SPECIFICATIONS AND SCHEMATICS

CONCRETE MIXER ELECTRICAL SCHEMATIC.....	SPEC-40-1
GLOSSARY OF HYDRAULIC SYMBOLS FOR ATTACHMENTS	SPEC-20-1
HYDRAULIC SCHEMATIC	SPEC-30-1
LOADER REMOTE ATTACHMENT CONTROL ELECTRICAL SCHEMATICS	SPEC-50-1
SPECIFICATIONS.....	SPEC-10-1

**SPECIFICATIONS
AND
SCHEMATICS**

LOADER REMOTE ATTACHMENT CONTROL ELECTRICAL SCHEMATIC

REMOTE ATTACHMENT CONTROL HARNESS (LOADER SIDE) (P/N 6716404 REV A)



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