

Product: TRACK-TYPE TRACTOR

Model: D10 TRACK-TYPE TRACTOR 76X

Configuration: D10 TRACTOR / POWER SHIFT / 76X00359-UP (MACHINE) POWERED BY D348 ENGINE

Disassembly and Assembly D10 Tractor Vehicle Systems

Media Number -SEN7671-01

Publication Date -01/06/1982

Date Updated -12/10/2001

Pump Drive

SMCS - 3108-11; 3108-12; 3108-15; 3108-16

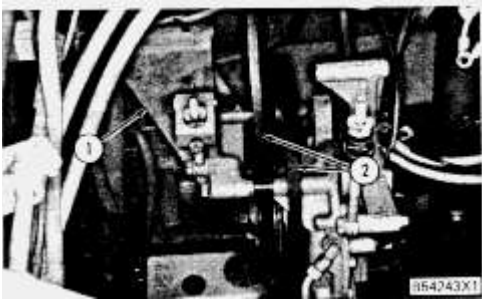
Remove Pump Drive

Tools Needed		A
8S9906	Ratchet Assembly	1
1P7407	Eyebolt (forged)	1

START BY:

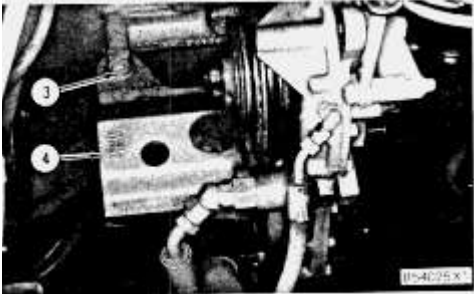
- a) remove rear bottom guard *
- b) remove air conditioner compressor
- c) remove alternator
- d) remove fan drive pump
- e) remove implement pump
- f) remove drive shaft for pump drive
- g) remove transmission torque converter and steering clutch scavenge pump *
- h) remove transmission and torque converter charging pump *

*Operation location is in POWER TRAIN DISASSEMBLY AND ASSEMBLY section.

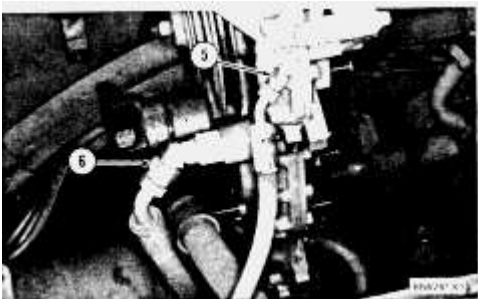


1. Remove bracket (1) from the pump drive.

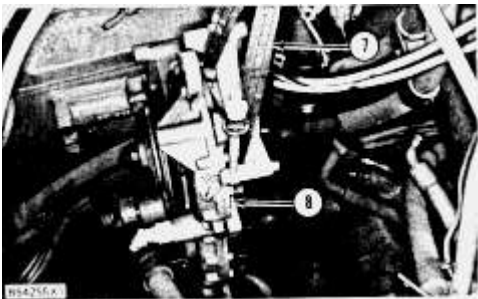
2. Remove vee belts (2).



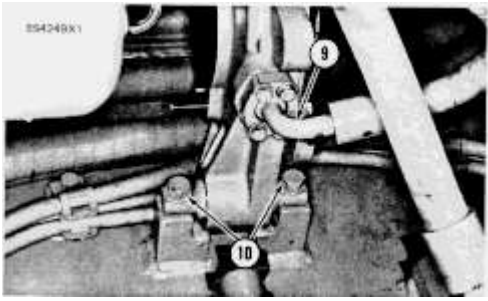
3. Remove five bolts (3) and drive shaft guard bracket (4).



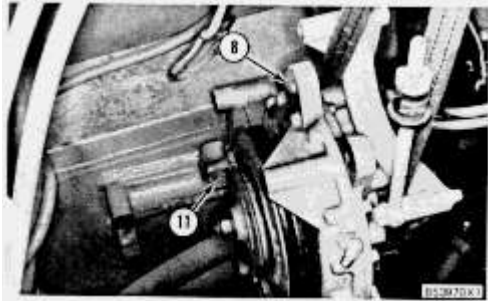
4. Disconnect oil lines (5) and (6) from the pump drive.



5. Install tooling (A) on the top inside of the cab. Install nylon strap (7) to pump drive (8) and tooling (A).



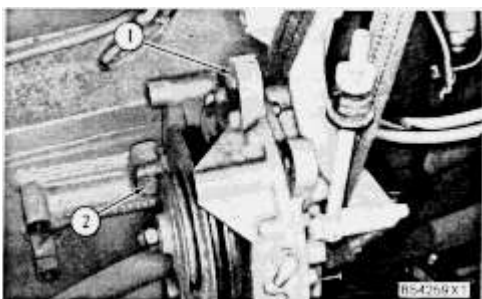
6. Disconnect oil line (9) from the pump drive.
7. Remove bolts (10) that hold the bottom mounting assembly to the frame.



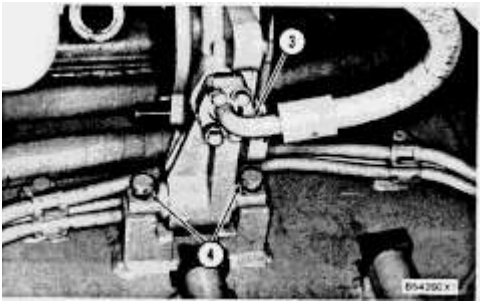
8. Remove two bolts (11) that hold the top mounting assembly to the frame.
9. Use tooling (A) and remove pump drive (8) from the machine. The weight is 245 lb. (111 kg).

Install Pump Drive

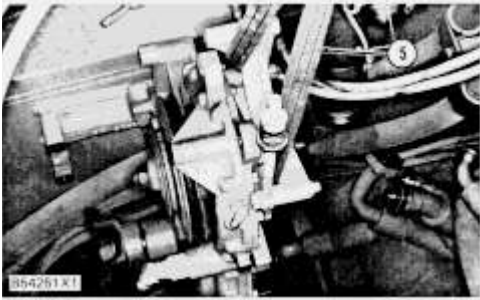
Tools Needed		A
8S9906	Ratchet Assembly	1
1P7404	Eyebolt (forged)	1



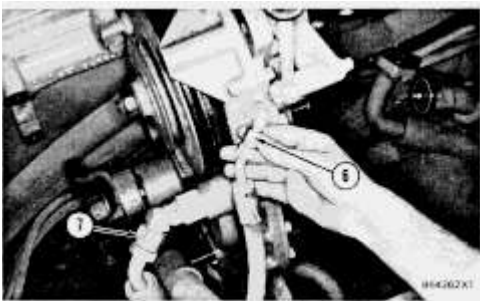
1. Use tooling (A) and a nylon strap and put pump drive (1) in position against the frame.
2. Install two bolts (2) that hold the top mounting assembly to the frame.



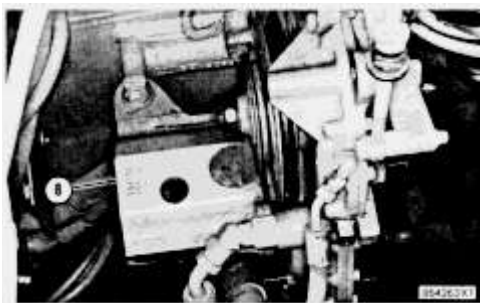
3. Install bolts (4) that hold the bottom mounting assembly to the frame.
4. Connect oil line (3) to the pump drive.



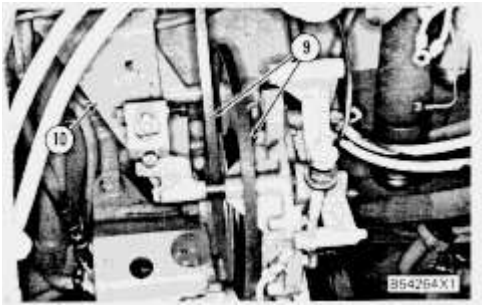
5. Remove tooling (A) and nylon strap (5).



6. Connect oil lines (6) and (7) to the pump drive.



7. Install drive shaft guard bracket (8).



8. Put vee belts (9) in position on the pulleys.

9. Install bracket (10) on the pump drive.

END BY:

a) install transmission and torque converter charging pump *

b) install transmission, torque converter and steering clutch scavenge pump *

c) install drive shaft for pump drive

d) install implement pump

e) install fan drive pump

f) install alternator

g) install air conditioning compressor

h) install rear bottom guard *

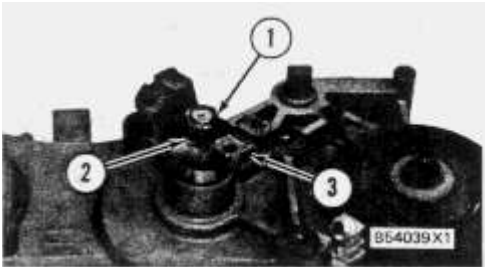
*Operation location is in POWER TRAIN DISASSEMBLY AND ASSEMBLY section.

Disassemble Pump Drive

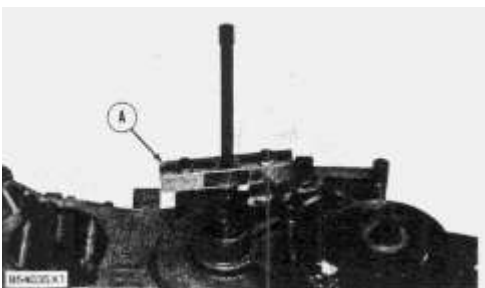
Tools Needed		A	B	C	D	E
5F7465	Puller Assembly	1				
T774	Spacer	1				
L1732	Bolt 1/2"-20 NF	2				
5P8245	Washer	2				
8B7560	Step Plate		1			
5F7343	Bearing Puller Attachment		1			
1H3107	Puller Assembly		1			
5P9736	Link Bracket			2		
8B7548	Puller Assembly				1	
8P7549	Leg				2	
8H684	Ratchet Box Wrench		1		1	
8B7554	Bearing Cup Puller Attachment				1	
7S7786	Leg				2	
1P2321	Puller Assembly					1
9S9153	Leg					3
8B7561	Step Plate					1

START BY:

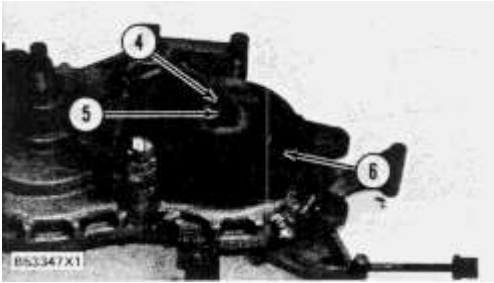
a) remove pump drive



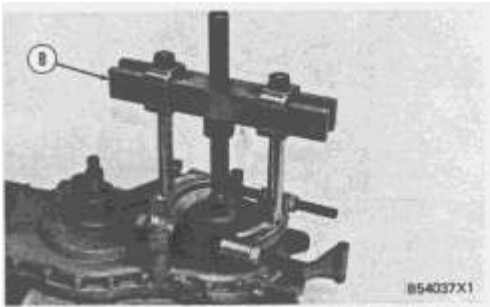
1. Loosen nut (1) until washer (2) is approximately-1/8 in. (3.2 mm) away from yoke (3). Do not remove the nut at this time.



2. Install tooling (A) on the yoke. Use tooling (A) to loosen the yoke from the taper. Remove tooling (A), nut (1), washer (2) and yoke (3).

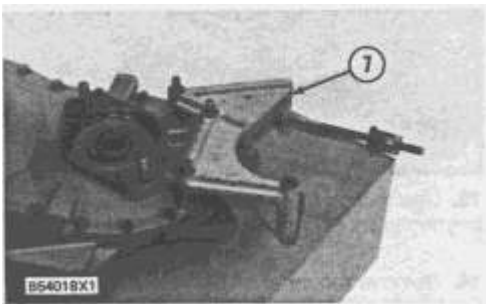


3. Loosen nut (4) until washer (5) is approximately 1/8" (3.2 mm) away from pulley (6). Do not remove nut (4) at this time.

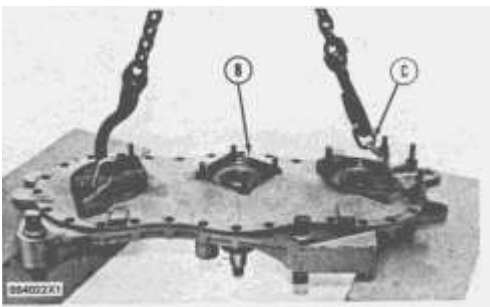


4. Install tooling (B) as shown. Use tooling (B) to loosen the pulley from the taper. Remove tooling (B), nut (4), washer (5) and pulley (6). Remove the key from the gear.

5. Use a hoist and turn the pump drive over. The weight is 245 lb. (111 kg).



6. Remove alternator bracket (7) from the pump drive.



7. Install tooling (C) and fasten a hoist as shown. Remove the bolts that hold the cover to the housing. Remove cover (8). The weight is 80 lb. (36 kg).

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