CATERPILLAR®

Service Repair Manual

Models

966H WHEEL LOADER

Disassembly and Assembly
966H and 972H Wheel Loaders Machine Systems

i05415906

Loader Frame from Rear Frame - Separate

SMCS - 7051-076; 7054-076

Separation Procedure

Table 1

	Required Tools		
Tool	**Part Number**	**Part Description**	**Qty**
A	9U-7536	Stand	2
	350-7768	Electric Hydraulic Pump Gp (115 V)	1
	350-7769	Electric Hydraulic Pump Gp (230 V)	1
B	8T-5255	Hydraulic Jack	1
C	350-7768	Electric Hydraulic Pump Gp (115 V)	1
	350-7769	Electric Hydraulic Pump Gp (230 V)	1
	6V-3160	Hydraulic Puller	1
	4C-9633	Stud	1
	1A-1935	Nut	2
	1P-1841	Bearing Puller Adapter	1
	6V-2097	Sleeve	1
D	350-7768	Electric Hydraulic Pump Gp (115 V)	1
	350-7769	Electric Hydraulic Pump Gp (230 V)	1
	6V-3160	Hydraulic Puller	1
	4C-9633	Stud	1

	1A-1935	Nut	2
	9U-5336	Bearing Puller Adapter	1
	6V-2097	Sleeve	1
	350-7768	Electric Hydraulic Pump Gp (115 V)	1
	350-7769	Electric Hydraulic Pump Gp (230 V)	1
	6V-3160	Hydraulic Puller	1
E	4C-9633	Stud	1
	1A-1935	Nut	2
	1M-6756	Sleeve	1
	7F-5283	Adapter	1
	1P-1844	Bearing Puller Adapter	1
F	1U-5230	Hand Hydraulic Pump	1

Start By:

a. Remove the cab.

b. Remove the center drive shaft.

c. Separate the steering frame lock.

⚠ WARNING

When you are using hydraulic cylinders and puller studs, always ensure that the rated capacity of the puller stud meets or exceeds the rated capacity of the hydraulic cylinder. If the puller stud does not meet or exceed the rated capacity of the hydraulic cylinder, a sudden failure of the puller stud could occur. The sudden failure of the puller stud could result in personal injury or death.

NOTICE

Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting, and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.

Refer to Special Publication, NENG2500, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat products.

Dispose of all fluids according to local regulations and mandates.

Note: Put identification marks on all hoses, on all hose assemblies, on all wires, and on all tube assemblies for installation purposes. Plug all hose assemblies and all tube assemblies. This helps to prevent fluid loss, and this helps to keep contaminants from entering the system.

1. Drain the oil from the hydraulic tank into a suitable container for storage or disposal. Refer to Operation and Maintenance Manual, "Hydraulic System Oil - Change".
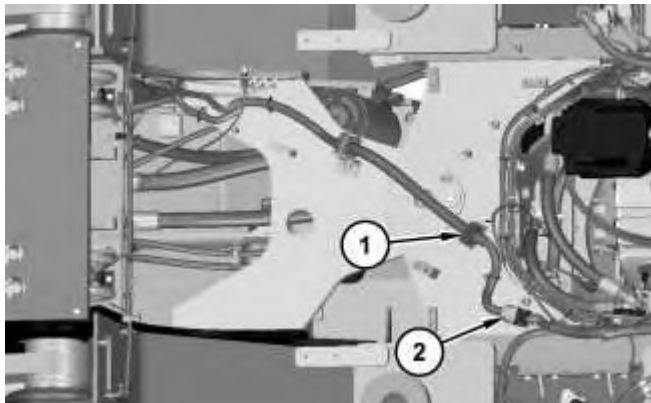

Illustration 1   g01161541

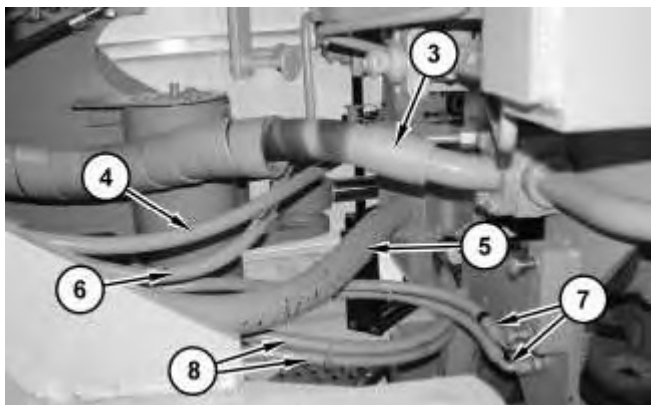2. Remove clamp (1). Disconnect harness assembly (2).

Illustration 2   g01161563

3. Disconnect hose assemblies (3), (4), (5), (6), (7), and (8).
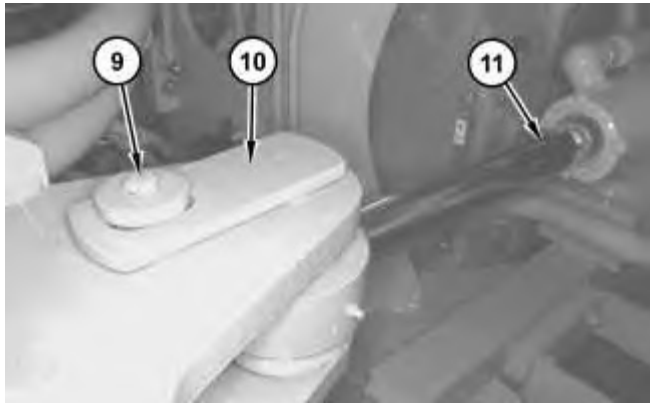
Illustration 3   g01161569

4. Remove bolt (9) and pin assembly (10). Position steering cylinder (11) away from the loader frame. Repeat for the remaining steering cylinder.

Illustration 4   g00432878
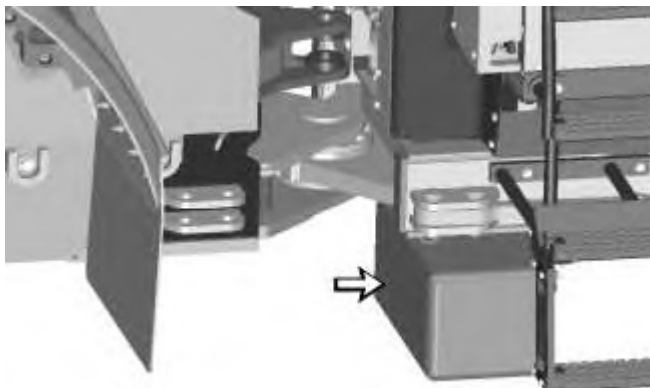
5. Position Tooling (A) under the rear frame.

Illustration 5   g01162333

6. Position suitable cribbing under the front of the rear frame.

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