

CUTTERHOUSING CHANGE OUT PROCEDURE



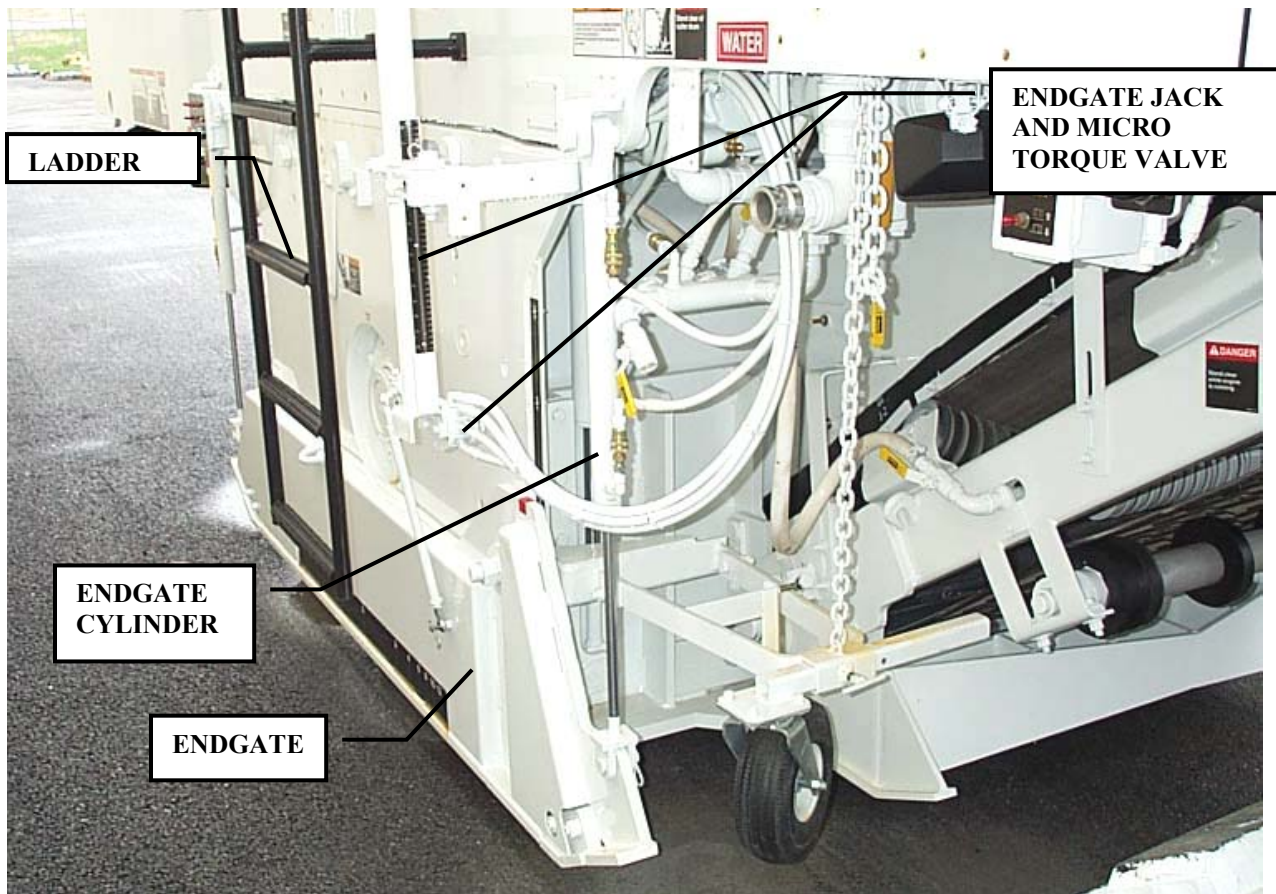
CAUTION

1. ALWAYS SHUT OFF THE ENGINE, RAISE THE MOLDBOARD WITH THE POWER PACK AND SET THE SAFETY BARS WHEN WORKING ON THE CUTTER DRUM, CONVEYOR OR OTHERWISE SERVICING THE MACHINE.

THE RX-60C GIVES THE USER THE OPTION OF SEVERAL DIFFERENT CUTTING WIDTHS RANGING FROM 7'-2" TO 12'-6". THIS APPLICATION REQUIRES A REMOVABLE CUTTER HOUSING, WHICH CAN BE EXCHANGED FROM UNDER THE MACHINE TO FACILITATE THE DESIRED WIDTH. THE FOLLOWING IS A VISUAL OVERVIEW ILLUSTRATING THE CHANGEABILITY OF THE RX-60C CUTTER HOUSINGS.

A. ENDGATE REMOVAL (ONLY IF REPLACEMENT CUTTER-HOUSING IS EQUIPPED WITH ENDGATES)

1. REMOVE THE LADDERS, ENDGATE JACKS, CYLINDERS AND THE ENDGATES BEING CAREFUL TO NOTE THE DIRECTION OF FITTINGS ON CYLINDERS AND MICRO TORQUE VALVE (FIGURE NO. 1) FOR PROPER RE-INSTALLATION



(FIGURE NO. 1)

A. ENDGATE REMOVAL (CONTINUED)


2. BEFORE REMOVING THE ENDGATE BOLT (FIGURE NO. 2), NUT, AND WASHER, SUPPORT THE ENDGATE ASSEMBLY SAFELY. REMOVE THE ENDGATES EVEN IF THE REPLACEMENT CUTTER HOUSING IS EQUIPPED WITH ENDGATES.



(FIGURE NO. 2)

B. CUTTER BELT REMOVAL

1. REMOVE BELTGUARD HOUSING DOORS AND PANELS TO GAIN ACCESS TO THE BELT TENSION CYLINDER AND PULLEY.

2.  **CAUTION** REMOVE ALL PERSONEL FROM UNDER MACHINE AND RELEASE CUTTER BELT TENSION (ENGINE MAY HAVE TO BE STARED TO DO SO.)

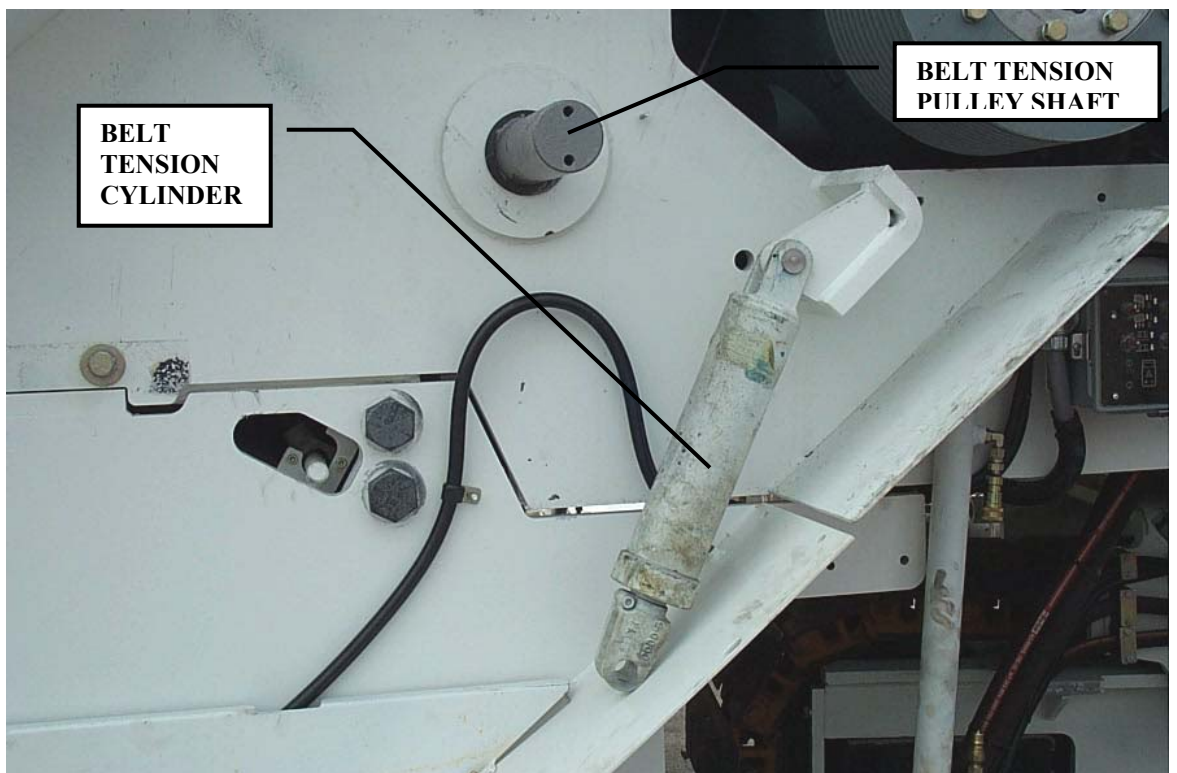
3. REMOVE CUTTER BELTS, BELT TENSION CYLINDER, AND THE BELT TENSION PULLEY. (FIGURE NO. 3 & 4) BEING SURE THAT HYDRAULIC HOSES ARE PLACED IN A SAFE POSITION AS TO NOT BE PINCHED OR CRUSHED WHEN REMOVING OR INSERTING CUTTER HOUSING.

4. ALWAYS APPLY "NEVER SEIZE" AND SOME FORM OF WRAPPING TO THE BELT TENSION PULLEY SHAFT. THIS PREVENTS RUST AND PROBLEMS LATER.

B. CUTTER BELT REMOVAL (CONTINUED)



(FIGURE NO. 3)



(FIGURE NO. 4)

C. FRONT AND REAR MOLDBOARD CYLINDERS

1. LOWER THE MOLDBOARD DOWN AND REMOVE THE CYLINDER PINS FROM THE CYLINDERS ON FRONT AND REAR MOLDBOARDS. CAREFULLY, (WITH ALL PERSONEL REMOVED FROM UNDER THE MACHINE) RETRACT CYLINDERS TO KEEP THEM FROM INTERFERING WITH THE CUTTER HOUSING REMOVAL. (FIGURE NO. 5)

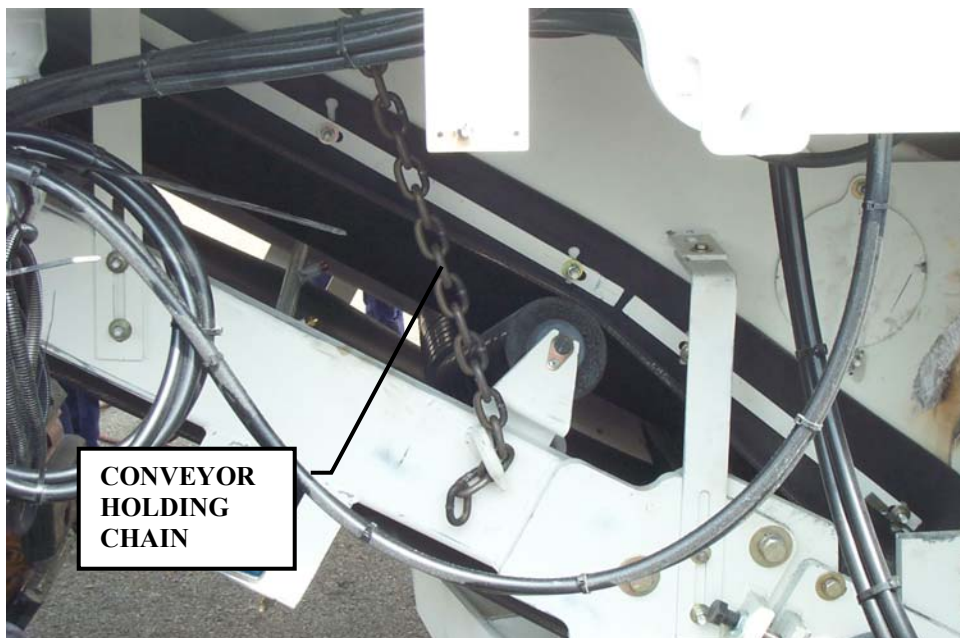


(FIGURE NO. 5)

D. PRIMARY CONVEYOR PINS

1. USING TURN BUCKLES OR SOME TYPE OF LIFT EQUIPMENT, SUSPEND THE PRIMARY CONVEYOR PROPERLY USING THE SIDE HOOKS AND CHAINS, (FIGURE 6) **USE CAUTION THAT CHAINS ARE SECURED TIGHTLY.** PULL CONVEYOR AWAY FROM CUTTER HOUSING USING THE TURN BUCKLES.

2. ONCE THE CONVEYOR IS SECURED REMOVE THE CONVEYOR PINS FROM THE CONVEYOR MOUNTS ON THE FRONT MOLDBOARD. (FIGURE 7).



(FIGURE NO. 6)

D. PRIMARY CONVEYOR PINS (CONTINUED)



(FIGURE NO. 7)

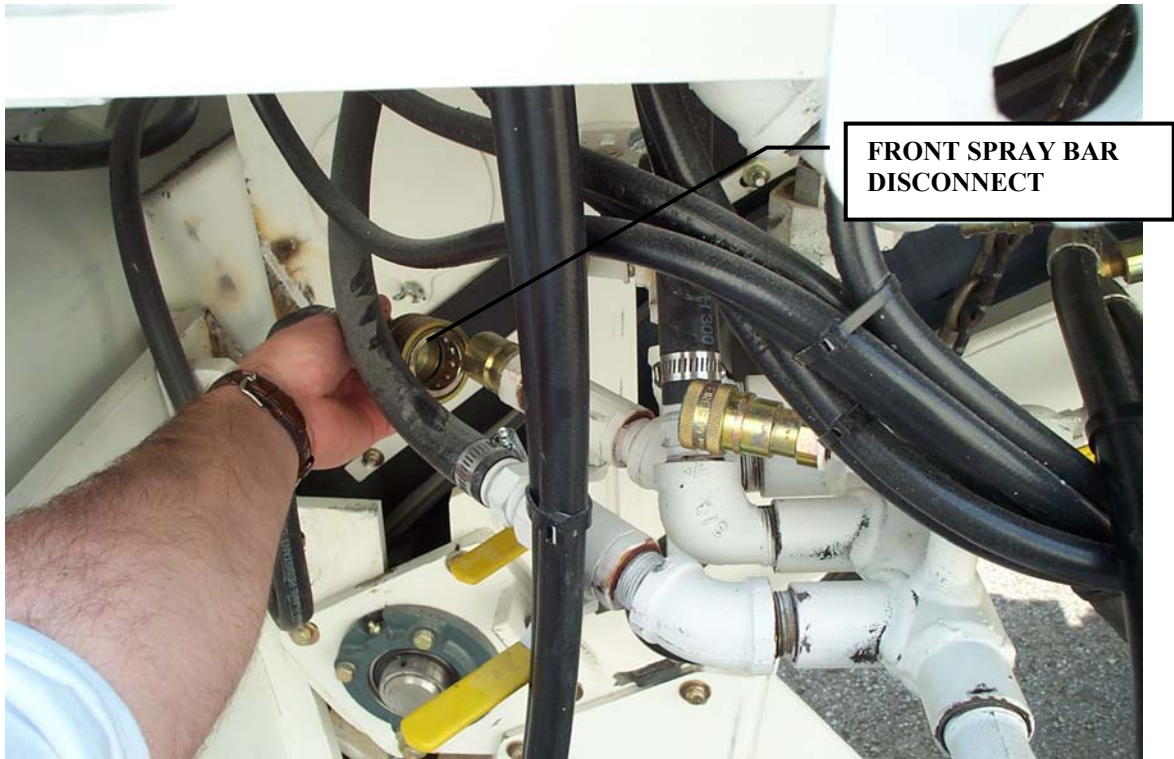
E. SPRAY BAR DISCONNECTS

1. DISCONNECT THE FRONT AND REAR SPRAY BARS USING THE QUICK DISCONNECTS AVAILABLE. (FIGURE NO 8, 9 & 10)

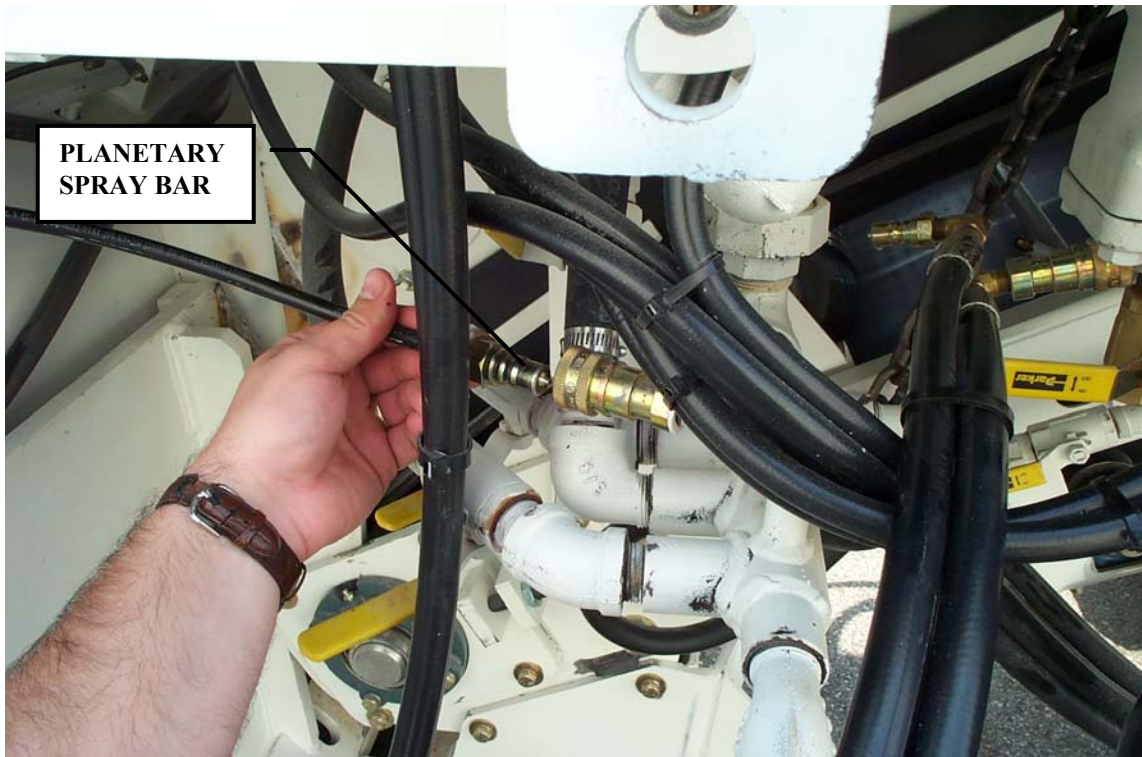


(FIGURE NO. 8)

E. SPRAY BAR DISCONNECTS (CONTINUED)




(FIGURE NO. 9)



(FIGURE NO. 10)

F. HOUSING BOLTS & HOUSING SKI

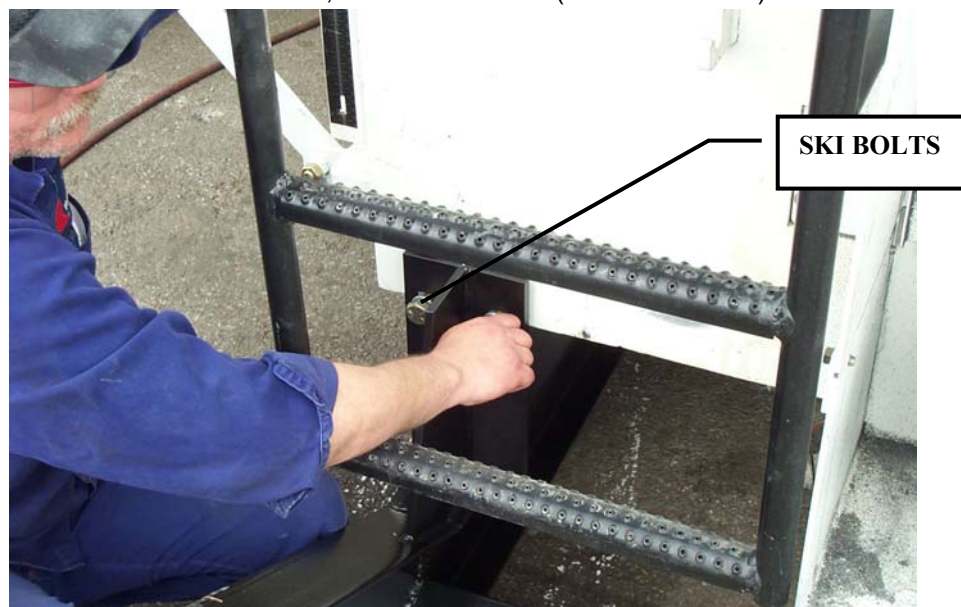
1.  **CAUTION** MAKE SURE AREA AROUND AND UNDER MACHINE IS CLEAR OF PERSONNEL.

USING ELEVATION SWITCHES RAISE THE MACHINE SO THAT THE CUTTER HOUSING SKI (PROVIDED) CAN BE PLACED UNDER THE CUTTER HOUSING. (FIGURE NO. 11)



(FIGURE NO. 11)

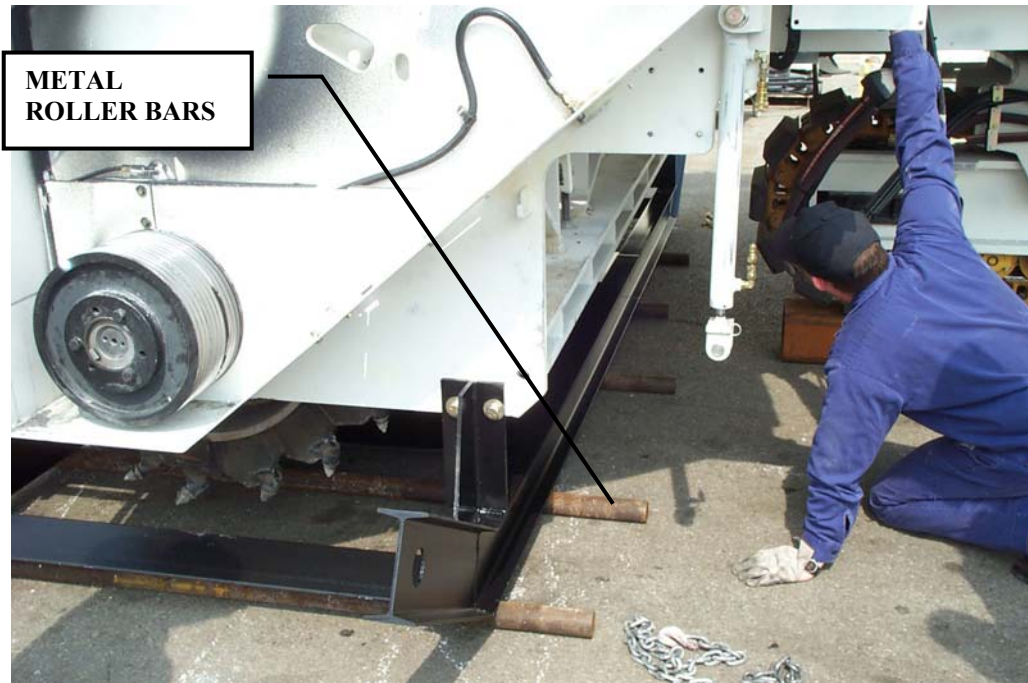
2. ONCE THE SKI IS IN POSITION, SAFELY LOWER THE MACHINE ALLOWING THE SKI TO LINE UP DIRECTLY UNDER THE CUTTER HOUSING. BOLT THE SKI TO THE CUTTER HOUSING SECURELY, THERE ARE EIGHT BOLTS, FOUR PER SIDE (FIGURE NO. 12)



(FIGURE NO. 12)

F. HOUSING BOLTS & HOUSING SKI (CONTINUED)

3. WITH THE SKI BOLTED INTO PLACE SAFELY RAISE THE MACHINE AND SKI TO ALLOW ANY TYPE OF ROLLER TO BE PLACED UNDER THE SKI. THE ILLUSTRATION IN (FIGURE NO. 13) SHOWS SOLID METAL BARS. THE ROLLERS ALLOW THE CUTTER HOUSING AND SKI TO BE REMOVED MORE EASILY.



(FIGURE NO. 13)

4. ONCE THE BARS ARE PLACED, SAFELY LOWER MACHINE, THIS ALLOWS THE WEIGHT OF THE CUTTER HOUSING TO BE SUPPORTED ON THE GROUND. REMOVE THE CUTTER HOUSING BOLTS, FOUR PER SIDE (FIGURE NO. 14)



(FIGURE NO. 14)

G. REMOVING THE CUTTER HOUSING

1. SOME TYPE OF VEHICLE WILL HAVE TO BE USED TO PULL THE CUTTER HOUSING FROM UNDER THE MACHINE. SLOWLY AND CAREFULLY, (BEING AWARE OF PERSONNEL IN THE AREA) PULL THE CUTTER HOUSING FROM THE BELT GUARD SIDE OF THE MACHINE. THE MACHINE WILL HAVE TO BE RAISED AND LOWERED DURING THE PROCESS (TO CLEAR THE PRIMARY CONVEYOR AND THE MOLDBOARDS) (FIGURE NO. 15) AT DIFFERENT POINTS IN THE PATH OF THE HOUSING AS IT IS PULLED FROM UNDER THE MACHINE.



(FIGURE NO. 15)

H. REPLACING THE CUTTER HOUSING

1. REVERSE THE PROCEDURES IN SECTION F & G TO INSERT NEW CUTTER HOUSING.

2. IF THE NEW CUTTER HOUSING IS A WIDER VERSION SUCH AS A 12' 6" THEN THERE ARE A FEW CHANGES IN THE REINSTALLMENT OF THIS CUTTER HOUSING. WE WILL ILLUSTRATE AND DISCUSS THIS BEGINNING WITH SECTION I.

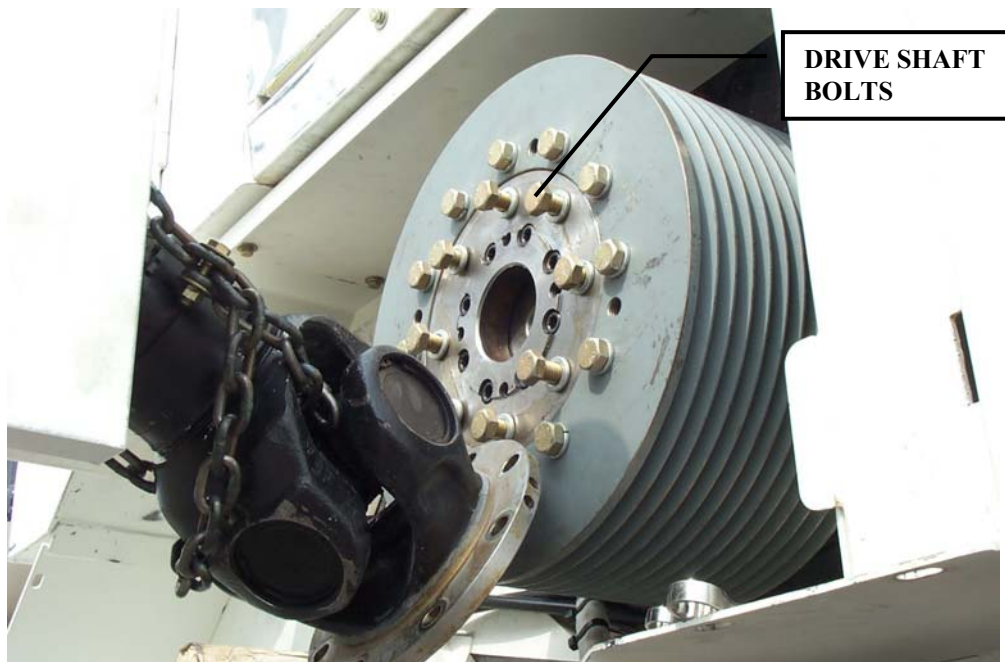
I. WIDER CUTTER HOUSINGS

1. ONCE THE NEW CUTTER HOUSING IS IN PLACE UNDER MACHINE AND BOLTED IN USING CUTTER HOUSING BOLTS. RECONNECT THE PRIMARY CONVEYOR (THIS MAY ALSO REQUIRE SOME MANEUVERING OF THE MACHINE TO LINE UP THE FLASHING AND CONVEYOR PINS). UNBOLT THE SKI AND SAFELY RAISE MACHINE AND REMOVE THE SKI. (FIGURE 16)



(FIGURE NO. 16)

2. THE WIDER CUTTER HOUSING IS PROVIDED WITH DIFFERENT LADDERS AND EXTENSIONS FOR THE DRIVE SHAFT AND PROTECTION COVERS. A DRIVE SHAFT EXTENSION IS PROVIDED AND MUST BE TIGHTLY BOLTED TO THE END OF THE PTO CLUTCH. (FIGURE NO. 17)



(FIGURE NO. 17)

I. WIDER CUTTER HOUSINGS (CONTINUED)

3. INSTALL BRACE AND DRIVE SHAFT PROTECTIVE COVERS (FIGURE NO 18.).



(FIGURE NO. 18)

4. ONCE THE BRACES AND COVERS ARE IN PLACE, IT IS JUST A MATTER OF REASSEMBLY OF THE HYDRAULICS AND VARIOUS CONNECTIONS. REASSEMBLE THE BELT TENSION SYSTEM, BELT GUARD, MOLDBOARD CYLINDERS, SPRAY BAR CONNECTIONS, THE ENDGATES AND CYLINDERS, ENDGATE JACKS AND MICROTORQUE VALVES. CONNECT LADDERS (DIFFERENT STYLE PROVIDED).