

# 680 CK LOADER BACKHOE

## TABLE OF CONTENTS

SERIES/SECTION	SECTION NO.	FORM NO.
10 SERIES - GENERAL		
Specifications for Case A267 Diesel Engine and A251 Gasoline Engine .....	C	9-77221
Lubrication and Maintenance .....		9-73071
20 SERIES - ENGINE		
Cylinder Heads, Valve Systems, Rocker Arms, Decompressor (Diesel Engine) .....	K	9-76972
Cylinder Heads, Valve Systems, Rocker Arms (Gasoline Engine) .....	L	9-76962
Engine Block .....	M	9-75222
Supplement - Front Mounted Oil Pump .....	M	9-78012
Engine Counter Balancer .....	MM	9-76731
Water Pump .....	3M	9-77461
Spark Ignition Governor .....	4M	9-77451
Governor Linkage .....		9-77511
Adjusting Throttle Linkage (Diesel Engine) .....	I, Sup. 1	9-77481
Adjusting Throttle Linkage (Gasoline Engine) .....	N, Sup. 1	9-77491
Air Intake and Exhaust System .....		9-73071
Stall Checks .....		9-73071
30 SERIES - FUEL SYSTEM		
Fuel Injectors, Case Powrcel Fuel Injection Pump .....	I	9-75421
TSX Series Gasoline Carburetor .....	N	9-75771
Bendix Electric Fuel Pump .....	NN	9-77261
40 SERIES - HYDRAULICS		
Hydraulic Testing .....		9-73071
25V Series Vane Type Hydraulic Pump .....	DD	9-77291
Control Valves .....		9-73071
Hydraulic Cylinders .....		9-73071
50 SERIES - STEERING		
Steering System .....		9-73071
60 SERIES - POWER TRAIN		
Forward - Reverse Transmission and Torque Converter .....		9-73071
4 - Speed Mechanical Transmission and Differential Brakes .....	S	9-77341
Supplement to Section S .....		9-77342
80 SERIES - ELECTRICAL		
Wiring Diagrams .....		9-77251
Electrical System .....		9-73071
90 SERIES - MOUNTED EQUIPMENT		
Loader .....		9-73071
Backhoe .....		9-73071

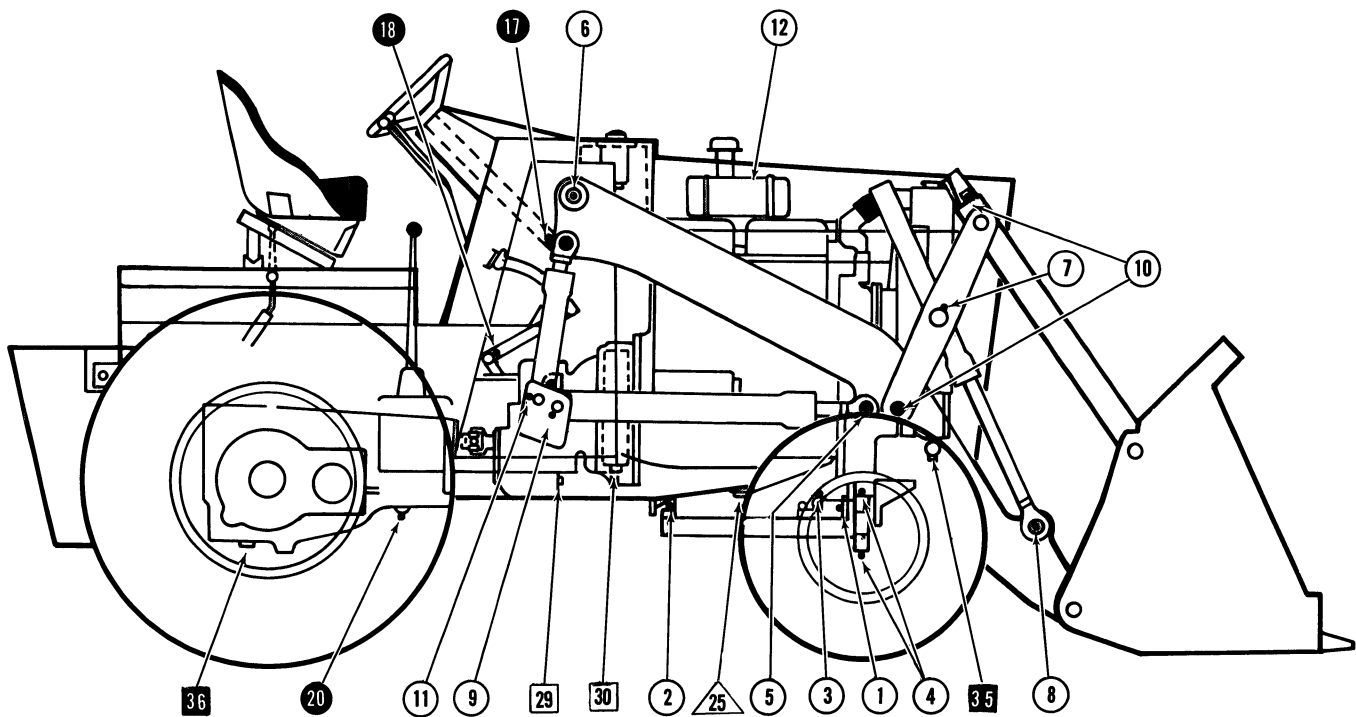
C. E. Form 9-73072 July 1976

PRINTED IN U.S.A.

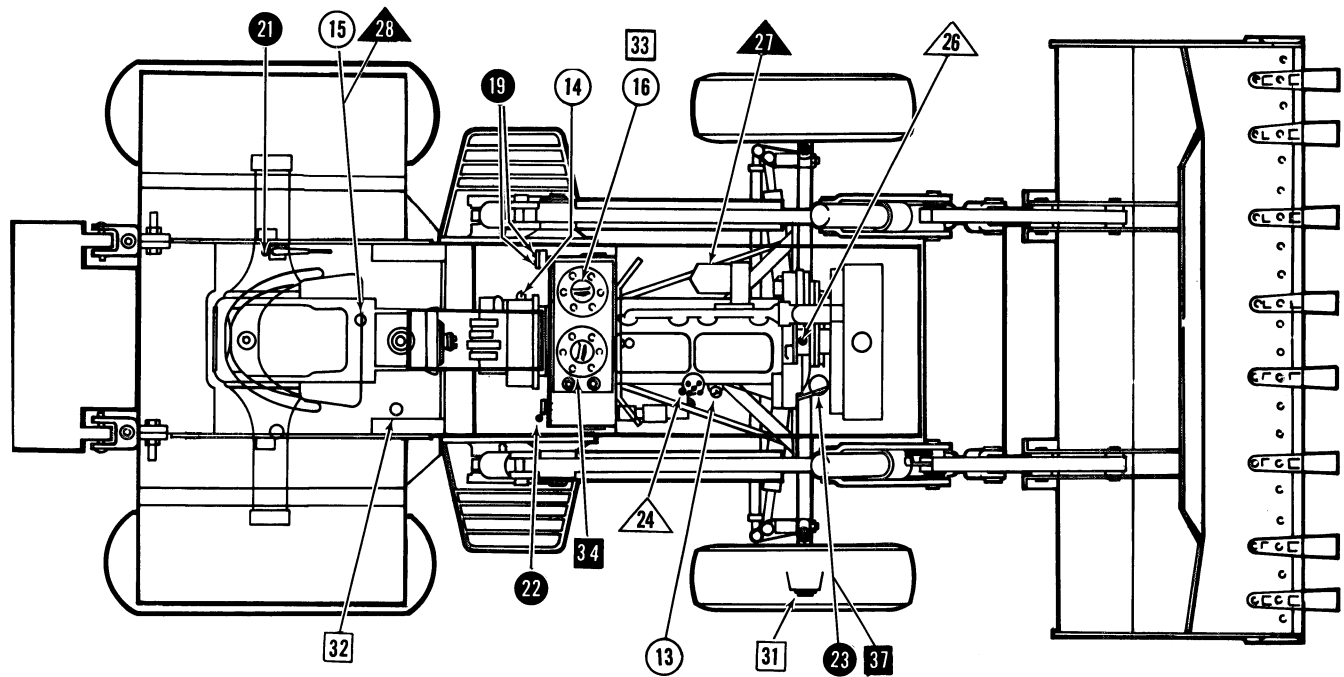
CASE CORPORATION

Reprinted

# **LUBRICATION AND MAINTENANCE SCHEDULE**



B672516



B672515

REF. NO.	LUBRICATION POINT	No. of POINTS	GREASE	DRAIN & REFILL	CHECK	CLEAN	(FEW DROPS) OIL CHANGE	FREQUENCY
1	Front Axle Pivot	1	●					10 Hours or Daily
2	Radius Rod Pivot	1	●					
3	Steering Cylinders	2	●					
4	King Pins	4	●					
5	Lift Cyl. Front Pivot	2	●					
6	Lift Arm Pivot Pins	2	●					
7	Tilt Cyl. Trunnion	2	●					
8	Tilt Cyl. Front Pivot	2	●					
9	Lift Cyl. Rear Pivot	2	●					
10	Tilt Linkage	4	●					
11	Hydra-Leveling Cyl. Lower Pivot Backhoe Pressure Fittings See Page 5 of Backhoe Section	2	●					
12	Air Cleaner * ■	1				●		
13	Engine Oil Level **	1				●		
14	Forward-Reverse Trans. Level	1				●		
15	Trans. & Final Drive Level-Breather	1				●		
16	Hydraulic Reservoir Level	1				●		
17	Forward - Reverse Transmission Shift Lever	1					●	60 Hours or Weekly
18	Brake Pedals	2	●					
19	Brake Bell Crank	2	●					
20	Brake Cross Shaft	3	●					
21	Parking Brake Bellcrank	1	●					
22	Throttle Linkage Shaft Pivot	1	●					
23	Power Steering Reservoir Level	1				●		
24	Tachometer Drive (Sp. Ign. Only)	1	●		●			120 Hours
25	Engine Oil	1						
26	Water Pump***	1	●					
27	Engine Oil Filter ■ ■	1					●	240 Hours
28	Trans. & Final Drive Breather	1				●		
29	Forward-Reverse Transmission	1			●			500 Hours
30	Torque Converter	1			●			
31	Front Wheel Bearings ■ ■ ■	2	●					
32	Fuel Pump Filter	1					●	
33	Hydraulic System Oil	1			●			
34	Hydraulic System Filter (Suction)	1					●	1000 Hours
35	Hydraulic System Filter (Return)	1					●	
36	Trans. & Final Drive Oil	1			●			
37	Power Steering Reservoir Filter	1					●	

- \* See Section I, Page 6
- \*\* Drain and refill after first 20 hours
- \*\*\* 2 Strokes - Do Not Overlubricate
- More often in dusty conditions
- Change after first 20 hours
- Clean, Repack and Adjust

# LUBRICATION RECOMMENDATIONS

ALL CAPACITIES GIVEN IN U.S. MEASURE

LUBRICATION POINTS	APPROXIMATE CAPACITIES	AIR TEMPERATURE RANGES			
		Above 80° F.	80° F. to 32° F.	32° F. to -20° F.	-20° F. or Lower
Engine Crankcase	8 Quarts	SAE 30	SAE 20W	SAE 10W	SAE 5W or SAE 5W - 20
Engine Crankcase (Including Oil Filter)	9 Quarts				
Forward-Reverse Transmission Shift Lever Bearing	Few Drops				
Transmission and Final Drive	28 Quarts (Refill)	SAE 90 Multi-Purpose Gear Lubricant			
Forward-Reverse Transmission and Torque Converter	5 Quarts (Refill)	Case Hi-Lo TCH Oil			
Hydraulic System Reservoir	27 Quarts (Refill)				
Hydraulic Power Steering Reservoir	1 Quart				
Water Pump	2 Strokes	*Lithium Soap-Base Grease			
Wheel Bearings	Use As Required				
All Pressure Fittings	As Many Strokes As Required				

## Procedure

1. Before applying a grease gun to the pressure fittings, wipe all accumulated dirt from each tip. Lubricate until clean grease runs out.
2. Lubricate all fittings illustrated every 10 hours of operation or daily.
3. If the loader is operated in mud or water, lubricate the immersed fittings more often.

## Grade Recommendations

Below 32° F. . . . .	No. 1
32° F. to 90° F. . . . .	No. 2
Above 90° F. . . . .	No. 3

Thank you so much for reading.  
Please click the “Buy Now!”  
button below to download the  
complete manual.



After you pay.

You can download the most  
perfect and complete manual in  
the world immediately.

Our support email:

[ebooklibonline@outlook.com](mailto:ebooklibonline@outlook.com)