# W24C
# Loader

## Service Manual

9-68642-R2

CASE

MidWestTech | Case W24C Loader Service Manual | Publication 9-68643

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## Scored Thrust Collar



Scoring on the thrust collar caused by dirty oil usually because engine oil and/or oil filters were not changed at the recommended intervals.

## Compressor Damage - Soft



Soft material getting into the inlet will damage the compressor blades as shown. The damage to this blade was caused by a shop towel being left in the intake system.

## Compressor Damage - Hard



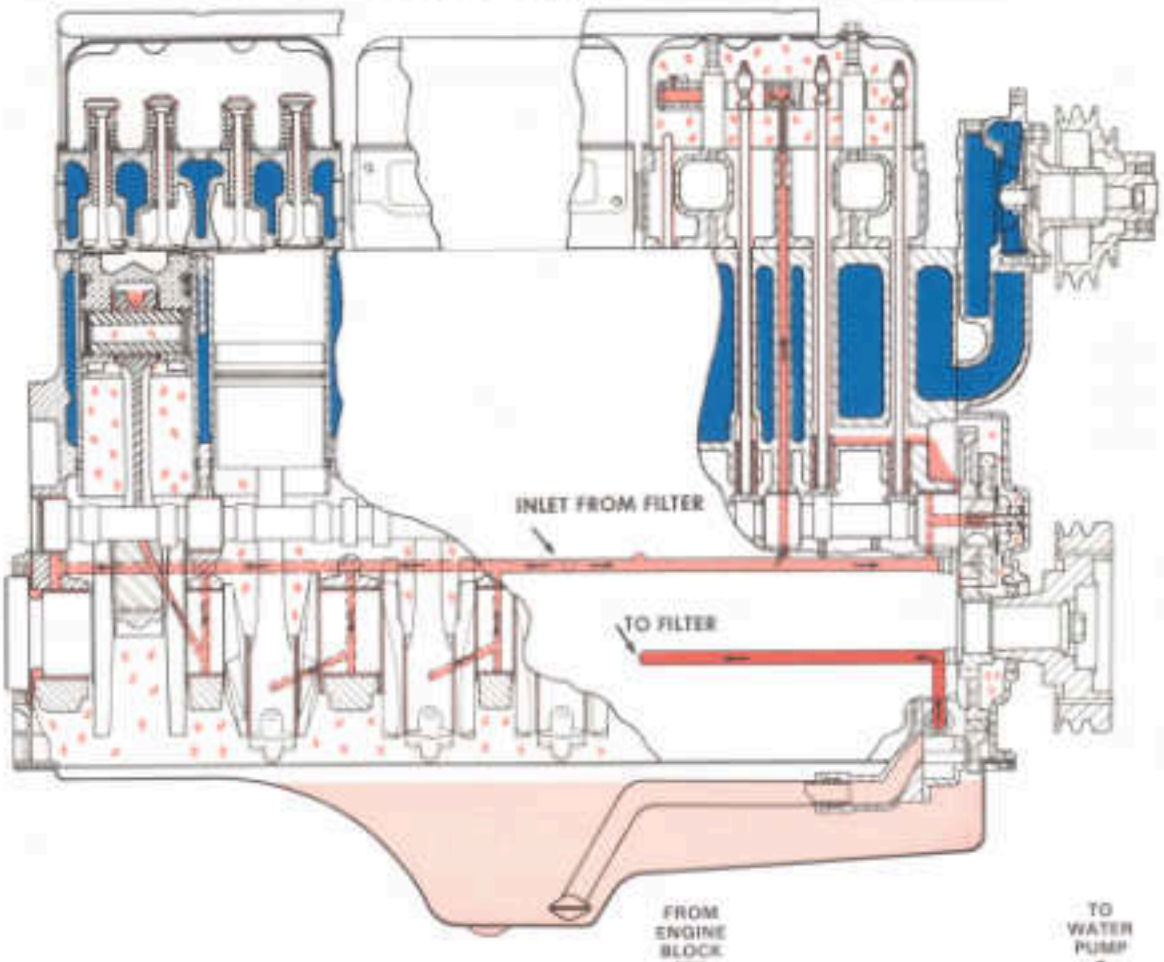


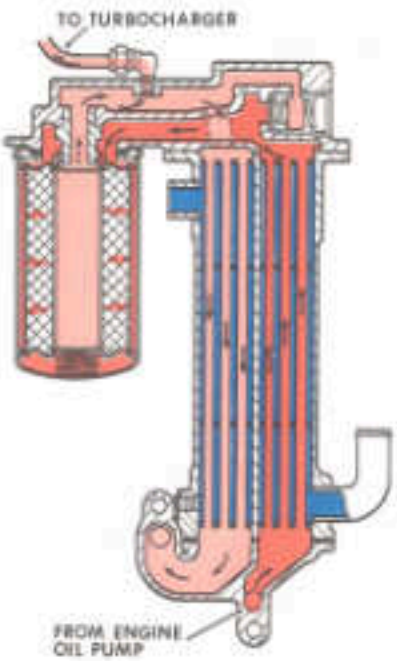
Hard material such as a nut, wire, wrench or bolt getting into the inlet will damage the compressor blades as shown. The compressor housing will be marked by the bits of foreign material. If damage to blades is so extensive that wheel balance is destroyed, some wheel-to-housing contact damage may also be present.


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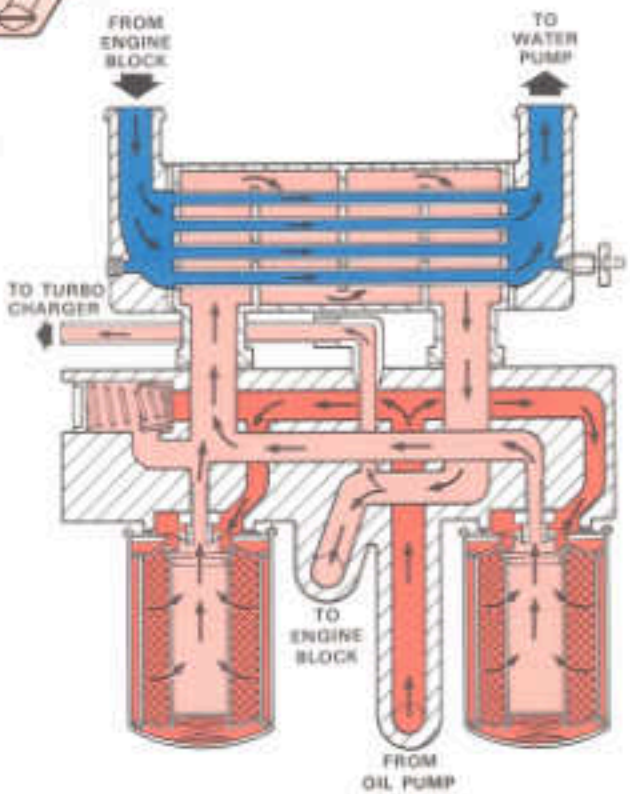
# ENGINE LUBRICATING OIL AND COOLANT SYSTEM

## Pressure and Spray Type Lubricating Oil System



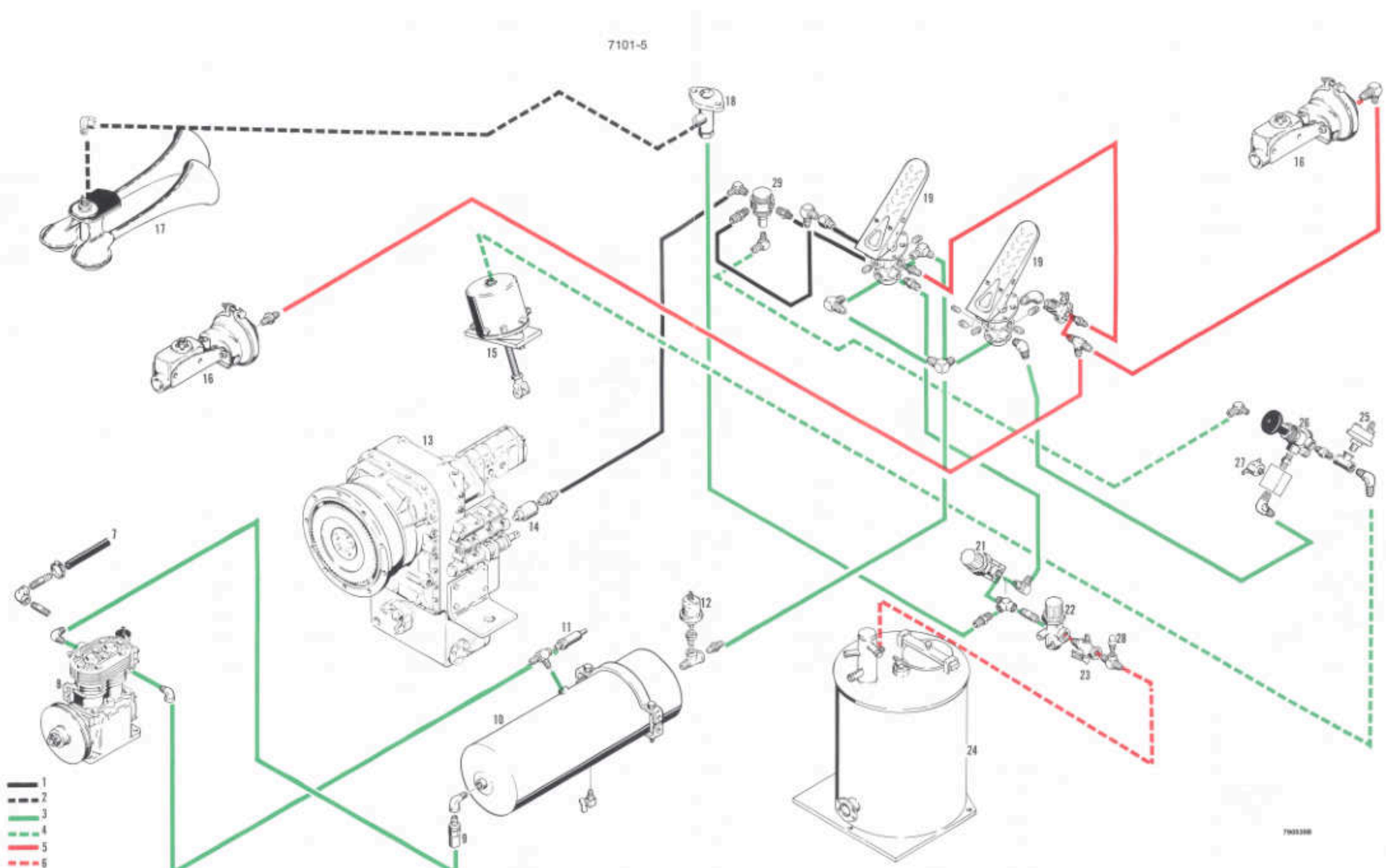




Single Filter System
With Heat Exchanger




Dual Filter System
With Heat Exchanger


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1. AIR PRESSURE FOR CLUTCH CUTOUT
2. AIR PRESSURE FOR HORN
3. AIR RESERVOIR PRESSURE
4. AIR PRESSURE TO PARKING BRAKE
5. AIR PRESSURE TO BRAKE ACTUATORS
6. AIR PRESSURE TO HYDRAULIC RESERVOIR
7. CONNECTS TO AIR INTAKE MANIFOLD
8. AIR COMPRESSOR
9. CHECK VALVE
10. AIR RESERVOIR
11. RELIEF VALVE
12. SENDING UNIT FOR AIR PRESSURE GAUGE
13. TRANSMISSION
14. CLUTCH CUTOUT CYLINDER
15. PARKING BRAKE ACTUATOR
16. BRAKE ACTUATOR
17. HORNS
18. HORN VALVE
19. BRAKE VALVE
20. CHECK VALVE AND STOPLIGHT SWITCH
21. PRESSURE PROTECTION VALVE
22. PRESSURE REDUCING VALVE
23. SHUTOFF VALVE
24. HYDRAULIC RESERVOIR
25. PARKING BRAKE SWITCH
26. PARKING BRAKE VALVE
27. WARNING BUZZER SWITCH
28. RELIEF VALVE FOR HYDRAULIC RESERVOIR
29. PILOT VALVE FOR CLUTCH CUTOUT, IF EQUIPPED

Air System Diagram



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