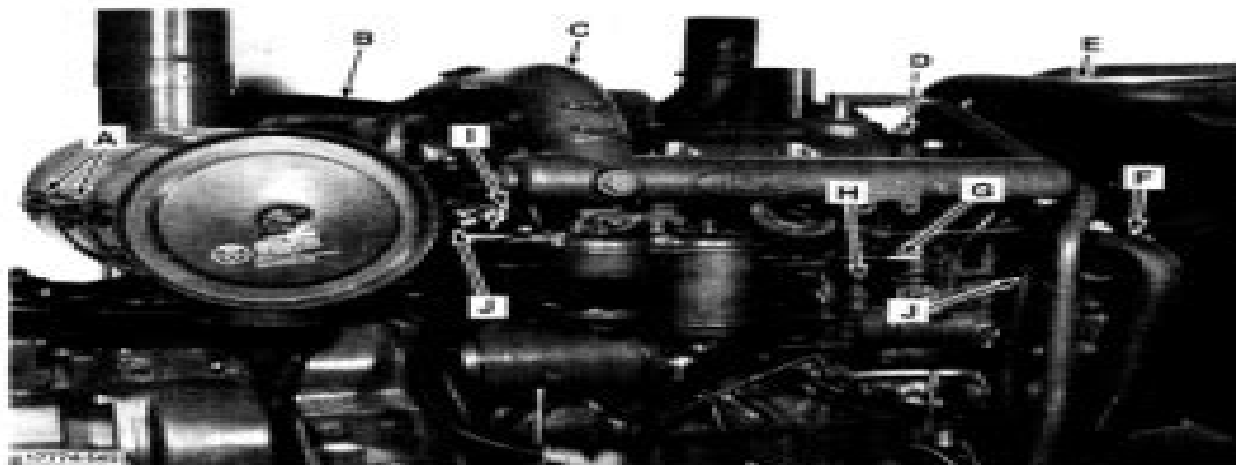


SECTION 1B

ENGINE



Engine — Right Side

A Air cleaner mounting clamp
B Turbocharger intake tube
C Turbocharger crossover tube

D Temperature sender lead
E Upper radiator hose
F Lower radiator hose
G Throttle

H Fuel solenoid lead
I Heater shut-off
J Heater hoses

Figure 1B-1

The design of the 9030 Tractor and engine dictates that removal of the front cover or oil pan requires the engine be removed from the tractor. If it is necessary to examine the timing gears or do any work to the engine lower end such as replacing the oil pump, camshaft, crankshaft or pistons, the engine must be removed.

ENGINE — REMOVAL

1. Remove the batteries. See "Battery — Removal" Section 3, Electrical, in this manual.
2. Remove the fan, spacer, and fan shroud. Drain the radiator. Place a piece of cardboard in front of the radiator to protect the fins. See "Radiator — Removal" in this section.

NOTE: It is not necessary to remove the radiator.

3. Remove the alternator. See "Alternator — Removal" in Section 3, Electrical. Remove the A/C compressor belt. Remove the A/C compressor attaching bolts and lay the compressor outside the tractor frame.

NOTE: It is NOT necessary to discharge the air conditioning system.

4. Remove the turbocharger air intake tube, B, Figure 1B-1. Open the air cleaner mounting clamps, A, and remove the air cleaner.
5. Remove the turbocharger crossover tube, C, and the coolant temperature sender lead, D.
6. Remove the upper and lower radiator hoses, E and F, also remove the oil cooler lines.
7. Remove the fuel shut-off solenoid lead, H.

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web 3 2 2 references what is reflection when a ray of light comes back into the same medium after striking the surface of another medium then the phenomenon is called reflection of light in other words reflection is the bouncing back of the light rays from a surface in the same medium what is refraction

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web 692 reflection and refraction of light p25 9 a as measured from the diagram the incidence angle is 60 and the refraction angle is 35 from snell's law $\sin \theta_1 / v_1 = \sin \theta_2 / v_2$ then $\sin 35 / 2 \times 10^8 = \sin 60 / v$ and the speed of light in the block is 2.0×10^8 ms⁻¹ b the frequency of the light does not change upon refraction

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web there are two laws that govern how light changes direction when it interacts with matter the law of reflection for situations in which light bounces off matter and the law of refraction for situations in which light passes through matter in this section we consider the geometric optics of reflection

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web refraction is the bending of light it also happens with sound water and other waves as it passes from one transparent substance into another this bending by refraction makes it possible for us to have lenses magnifying glasses prisms and rainbows even our eyes depend upon this bending of light