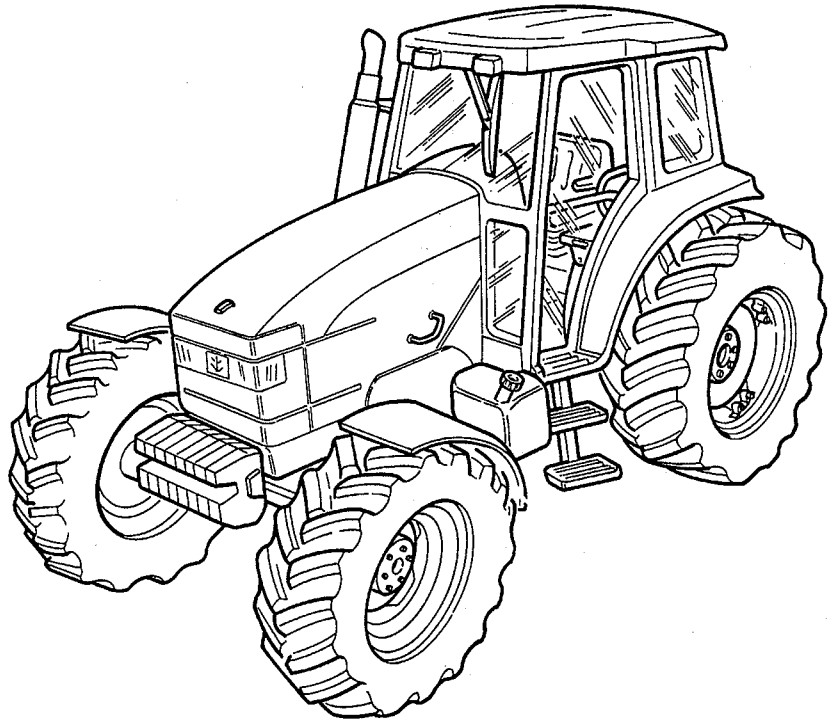




NEW HOLLAND



100 – 115 – 135 – 160 HP TRACTORS

REPAIR MANUAL

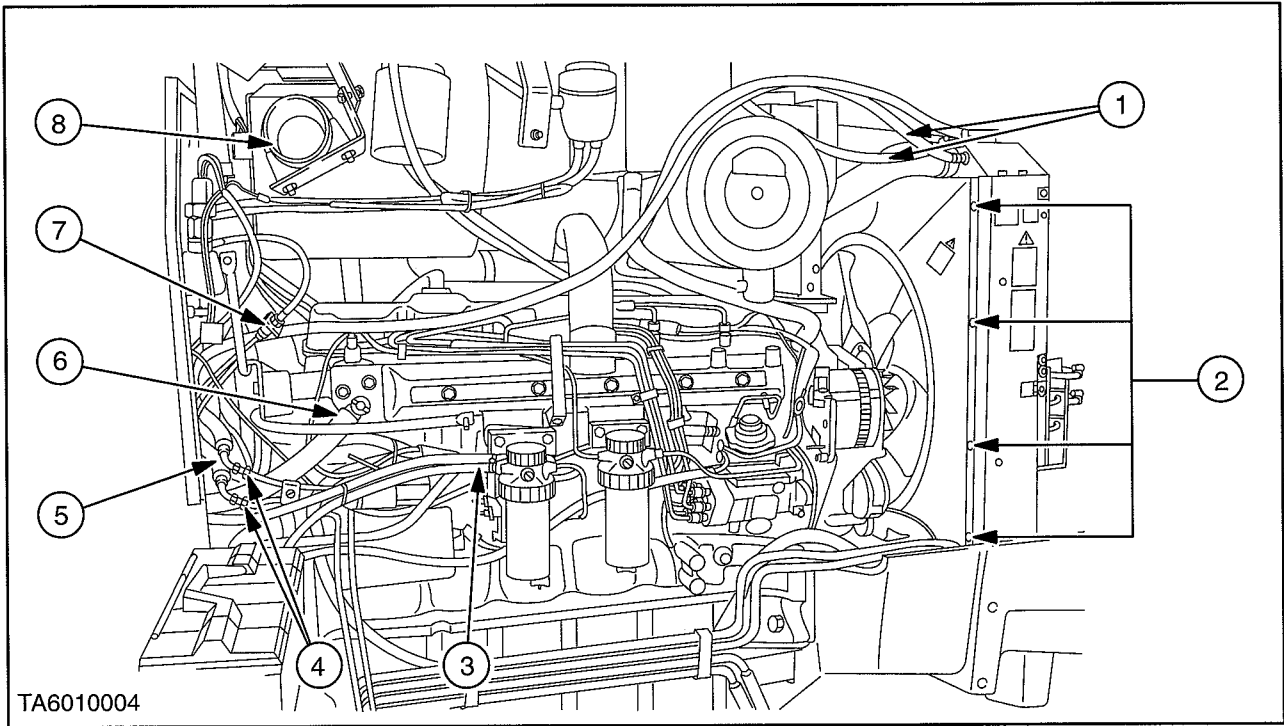
VOLUME 1

SECTIONS

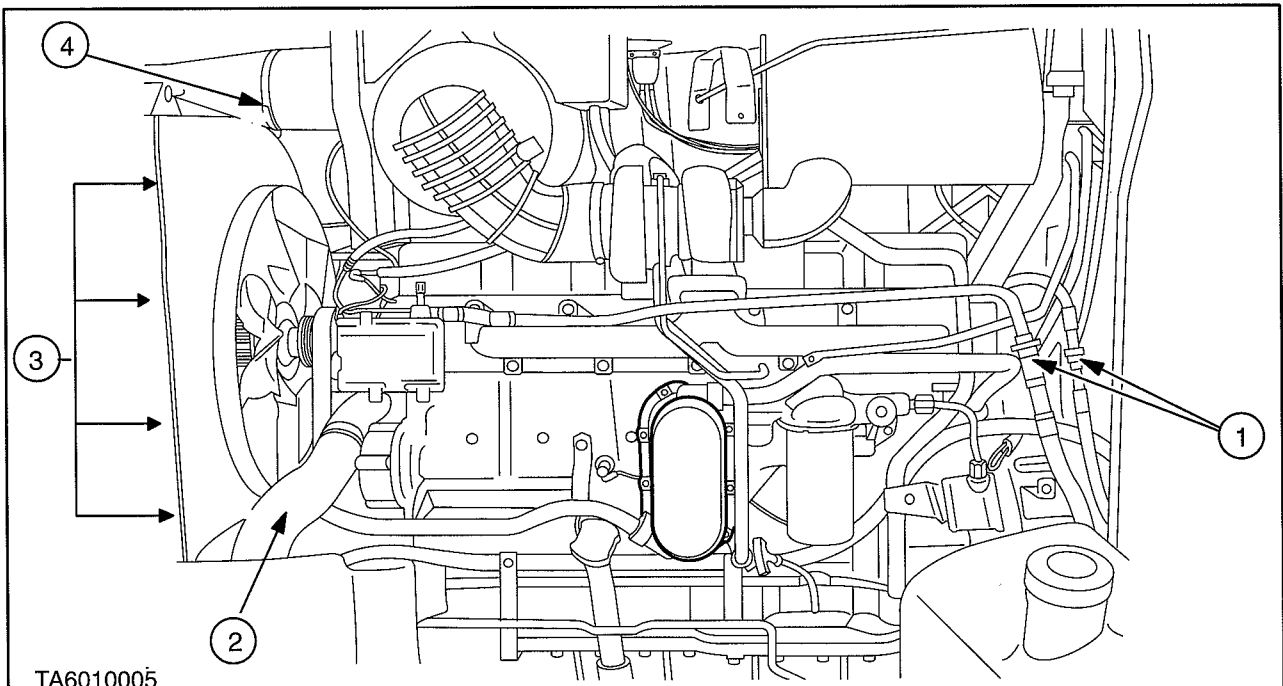
GENERAL	00
ENGINE	10
CLUTCH	18
TRANSMISSIONS	21
DRIVE LINES	23
MECHANICAL FRONT AXLE	25
MECHANICAL REAR WHEEL DRIVE	27
POWER TAKE-OFF	31
BRAKING SYSTEM	33

A F T E R S A L E S S E R V I C E

ENGINE REMOVAL – INSTALLATION (Op. 10 001 10)



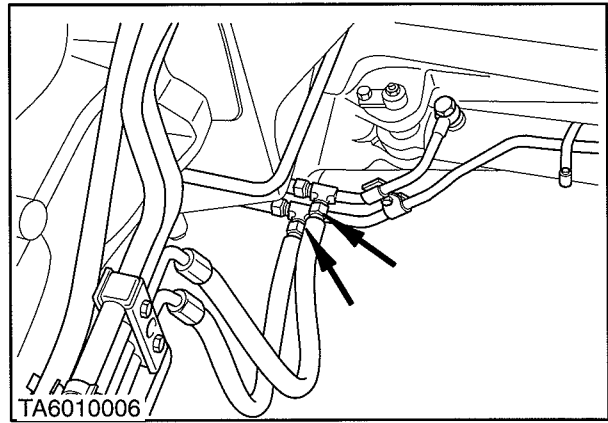
Right hand View of Tractor



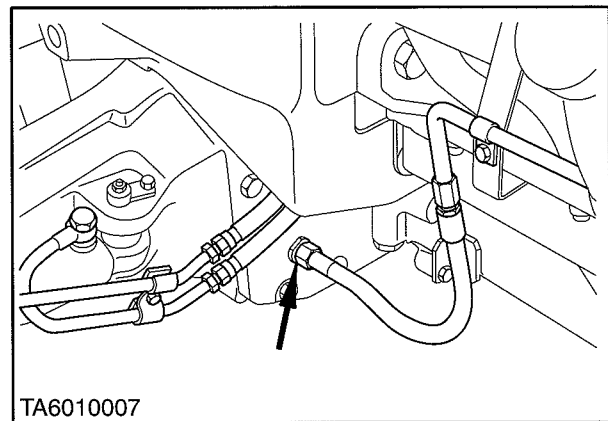
Left hand View of Tractor

Separating Front Axle from Engine (with reference to Figures 12 and 13)

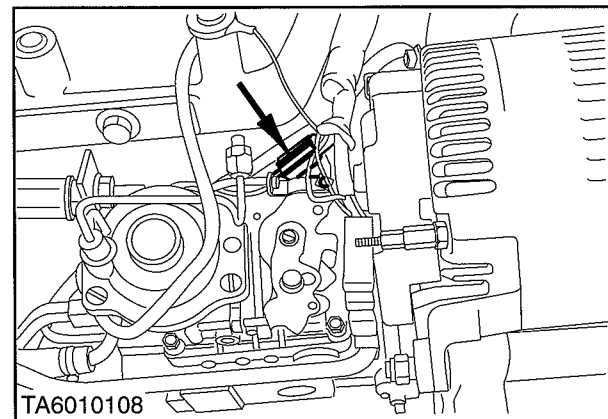
1. Disconnect **battery**, earth lead first.
2. Disconnect **power steering hoses** from cylinder. Figure 14.
3. Remove front wheel drive **propshaft guard and propshaft**, if fitted.
4. Disconnect **Front Hitch hydraulic tube**, if fitted and drain oil into a clean container.
5. Disconnect the **front differential lock hydraulic tube** on FWD models. Figure 15.
6. If **air conditioning** is fitted, withdraw the condenser from the radiator and remove the receiver dryer. Carefully move both items away from the front of the tractor and secure to the side of the engine ensuring that they are not allowed to hang on their tubes.
7. Slide out the **oil cooler** from the radiator and tie up out of the way, again ensuring that the cooler is not allowed to hang on its hoses.
8. Disconnect **electrical connection** to the steering angle sensor, if fitted, Figure 16.
9. Drain the **cooling system fluid** into a clean container and disconnect the radiator hoses. Disconnection of the radiator lower hose provides a suitable drain point. Place a large clean tray under the vehicle to capture the fluid for future use. Figure 13, (2)
10. Remove the **radiator fan shroud** hardware, leaving shroud in position. Figures 12, (2) and 13, (3).
11. Disconnect **air cleaner** inlet tube. Figure 13, (4).
12. Position **Splitting Tool, MS2700.C with engine supports, MS2700.C-8** in position. If splitting tool is not available use an overhead crane with suitable straps. Strap at the front and rear of the front support to maintain balance. **NOTE: It will be necessary to remove the engine hood.** Support the engine at the front of the transmission and position wedges between axle and support to prevent articulation. Remove hardware securing the engine to the front support and wheel the front axle and support away from the engine.



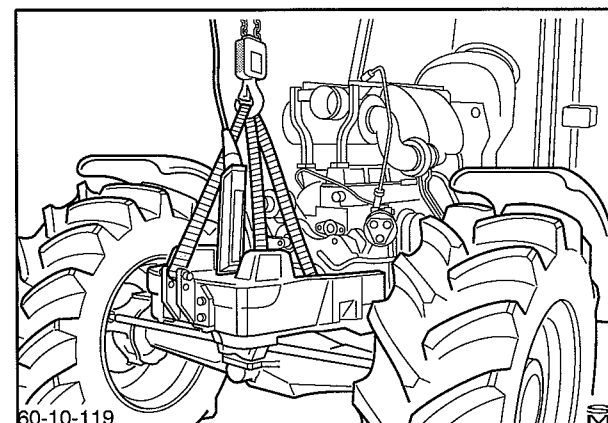
14



15



16



17

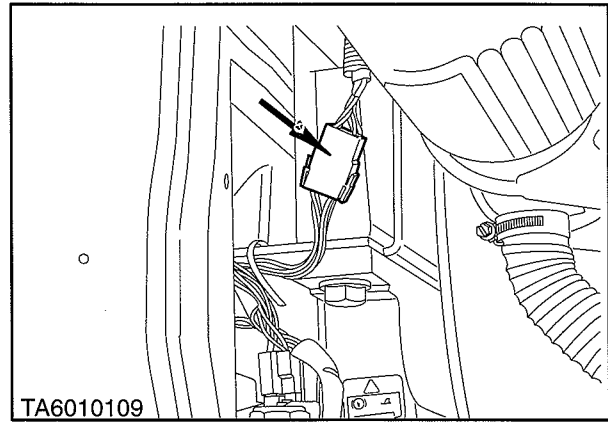
Separating Engine From Transmission
(with reference to Figures 12 and 13)
With engine previously separated from front axle.

1. Remove the **exhaust muffler**. Figure 12, (8).
2. Disconnect hood harness connector, Figure 18 and remove the engine **hood** assembly, Figure 19.
3. Disconnect **starter motor** wiring and retaining bolts and remove starter motor, Figure 20.
4. Disconnect the **fuel lines** to the fuel sedimenter and the overflow return to tank, Figure 12 (3).
5. Disconnect the **main harness** to engine harness connector. Figure 12 (5).
6. Disconnect **water pipe** to heater shut off tap located at rear of cylinder head, Figure 12 (6).
7. Disconnect **steering tubes**, near bellhousing, Figure 12 (4).
8. Disconnect **brake tubes** to master cylinder, Figure 12 (7).
9. Disconnect **front hitch supply tube**, if fitted.
10. Disconnect the **left hand water hose** to the cab, near bellhousing.
11. Disconnect **air conditioning** at quick release connectors, Figure 13 (1).
12. Support the engine using a suitable hoist, tool No.290740 with brackets 50075 and 50076. Remove the buckle up bolts between the engine and transmission. Carefully prise the engine from the transmission, ensuring that all wires and tubes are disconnected. Place the engine onto a suitable stand for repair.

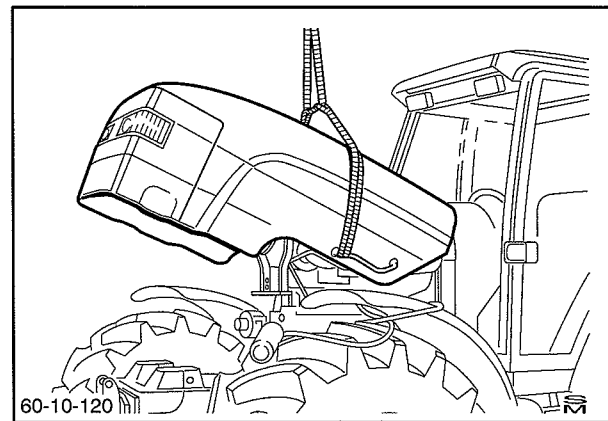
Engine Installation

Installation of the engine is the reversal of the removal procedure, noting the following points:

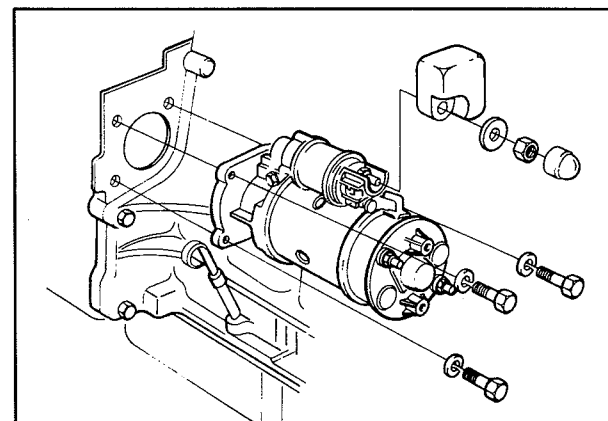
- Ensure all attaching hardware is tightened to the correct torque value as detailed in the specifications.
- After connection of the battery it will be necessary to reset the radio / clock.
- Ensure after installation that all fluid levels are correct prior to start up. Start and run the engine until correct operating temperature is achieved to purge air from cooling system. Stop engine, check for leaks, rectify as required and recheck fluid levels.



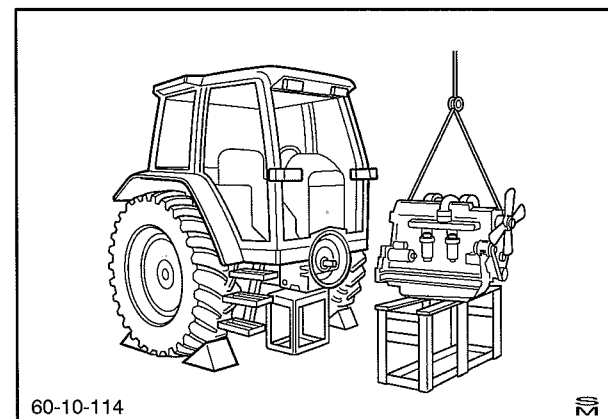
18



19



20



21

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