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# **TK75VA, TK80A, TK80MA, TK90A, TK90MA, TK100A REPAIR MANUAL COMPLETE CONTENTS**

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**The following pages are the collation of the contents pages from each section and chapter of the TKA Series Repair manual. Complete Repair part # 87582124.**



**The sections used through out all New Holland product Repair manuals may not be used for each product. Each Repair manual will be made up of one or several books. Each book will be labeled as to which sections are in the overall Repair manual and which sections are in each book.**

**The sections listed above are the sections utilized for the TKA Series Tractors.**

## ENGINE OVERHAUL

### ENGINE

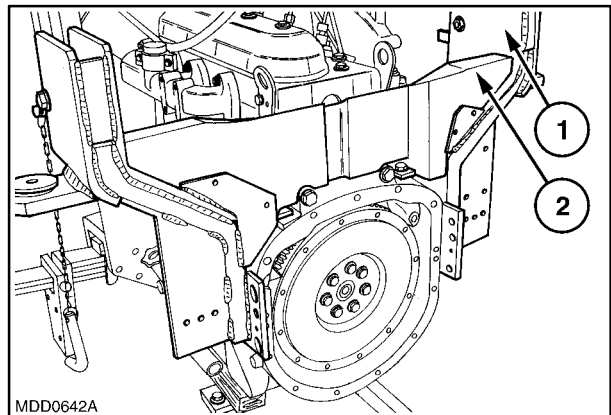
#### Removal

—————  **DANGER**  —————  
Lift and handle all heavy parts using suitable lifting equipment.

Make sure that assemblies or parts are supported by means of suitable slings and hooks. Make sure that no one is standing in the vicinity of the load to be lifted.

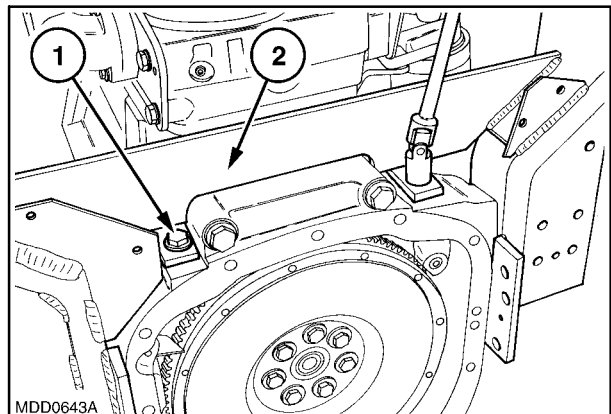
—————  **CAUTION**  —————  
Always use appropriate tools to align fixing holes. NEVER USE YOUR FINGERS OR HANDS.

1. Carry out operation for clutch removal.
2. Remove the rubber heat guard, 2, from the support, 1.



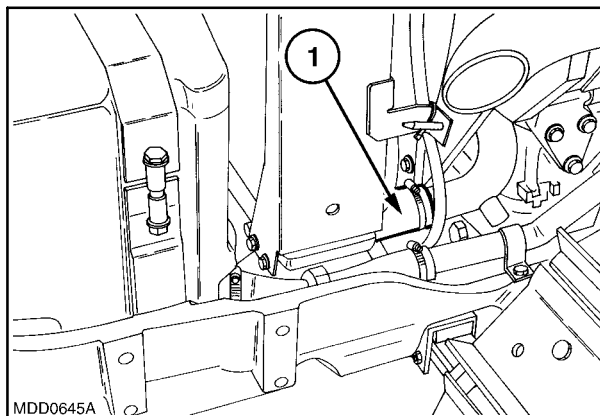
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3. Remove the retaining bolts, 1, and the support, 2.



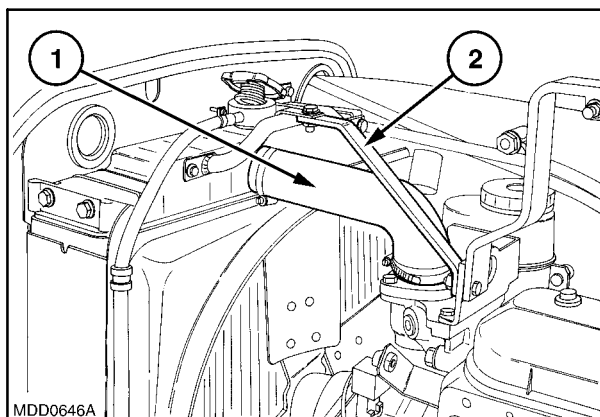
8

4. Remove the retaining bolts and the right and left-hand engine side guards.
5. Place a container for the coolant under the sleeve, 1.
6. Detach the sleeve, 1, on the lower pipe and drain off the coolant.



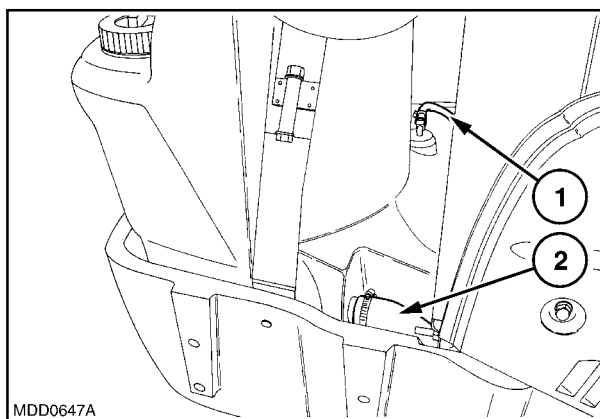
9

7. Detach the sleeve, 1, on the radiator upper piping.
8. Remove the retaining bolts and the radiator upper support, 2.



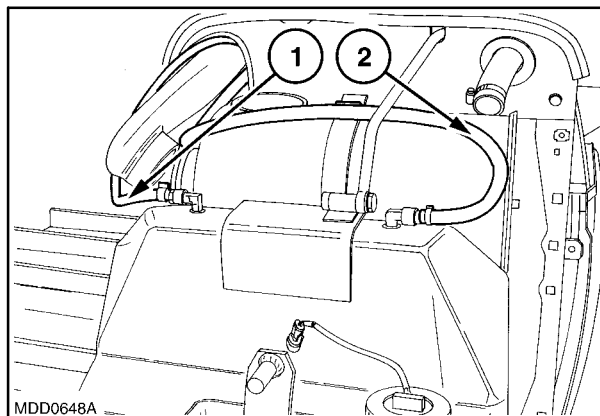
10

9. Remove the piping, 1, and the sleeve, 2, located on the lower part of the tank.



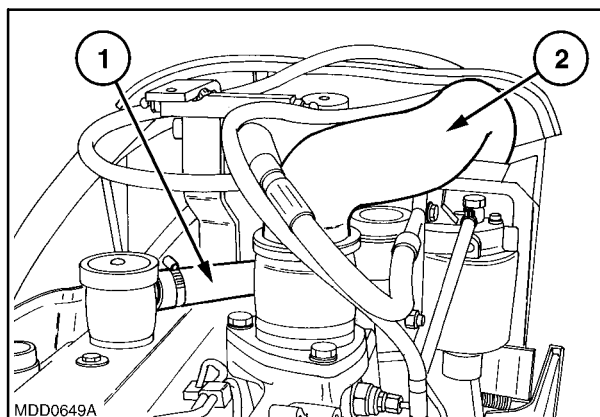
11

10. Remove the piping, 1, and, 2, located on the upper part of the tank.



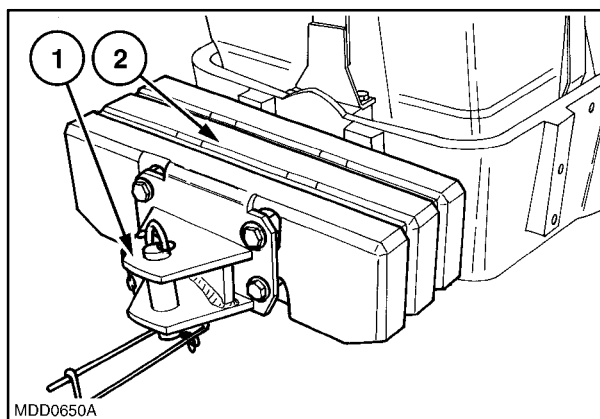
12

11. Detach the oil vapor breather pipes, 1, and the turbocharger feed piping, 2, as applicable.



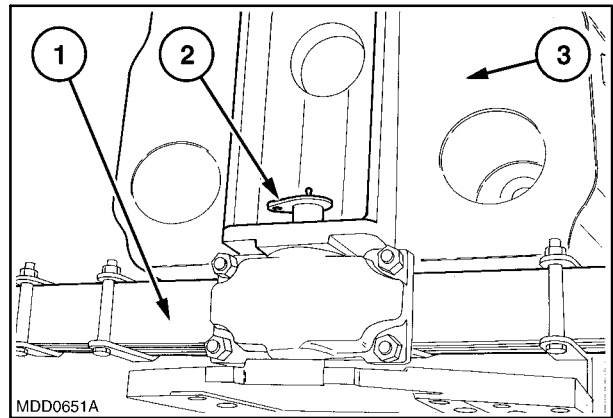
13

12. Remove the tow bar hook, 1, and the front ballast, 2.



14

13. Hitch the front suspension, 1, to a hoist. Remove the suspension retaining pin, 2, on the support, 3, and remove the front suspension.
14. Hitch the front suspension support, 3, to a hoist, remove the sump retaining bolts and remove the support.



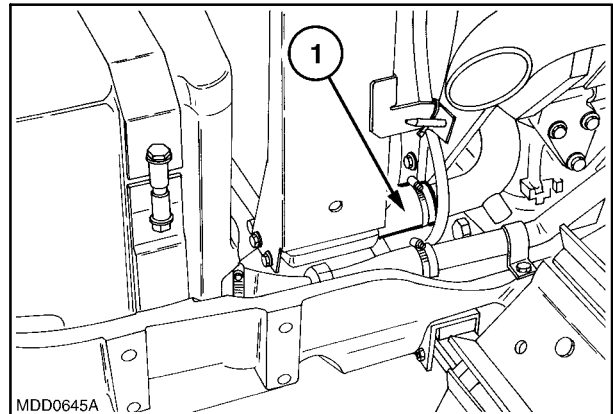
15

### Installation

To install the engine, proceed as follows:

**⚠ CAUTION ⚠**

**Always use appropriate tools to align fixing holes. NEVER USE YOUR FINGERS OR HANDS.**



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1. Apply the torque settings listed in the torque table.
2. Hitch the front suspension support to a hoist and install to the sump, securing in position with the retaining bolts.
3. Hitch the front suspension to a hoist. Install on the support and assemble the suspension retaining pin.
4. Install the front ballast and tow bar.
5. Install the oil vapor recovery piping and the turbocharger feed piping (where removed).
6. Install the piping on the upper part of the tank.
7. Install the piping and sleeve located on the lower part of the tank.
8. Install the upper tank support and tighten the retaining bolts.
9. Install the radiator upper piping sleeve.
10. Install the radiator lower piping sleeve.
11. Fill up with coolant.
12. Install the engine side guards and retaining bolts.
13. Assemble the roll bar support and retaining bolts.
14. Install the rubber heat guard on the support.
15. Carry out the relative clutch assembly operations.
16. Bleed the fuel system of air as described in this section.

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