

**TC35D, TC40D, TC45D, TC35DA, TC40DA,
TC45DA**

Special Tools required:

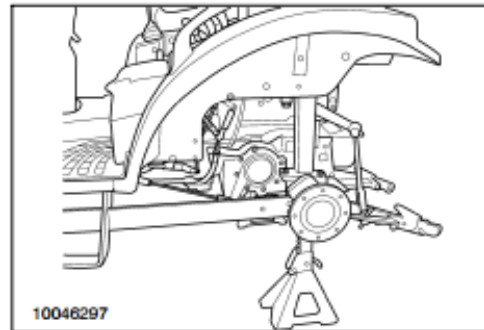
Inch pound torque wrench

Shop Supplies required:

Loctite RTV silicone

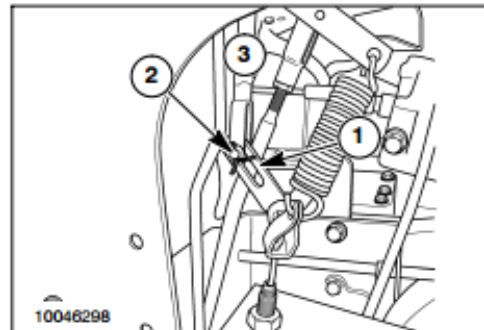
Loctite 242 thread sealant

1. Disconnect the negative battery cable.
2. Remove the right and left rear wheels and support the tractor on jack stands.



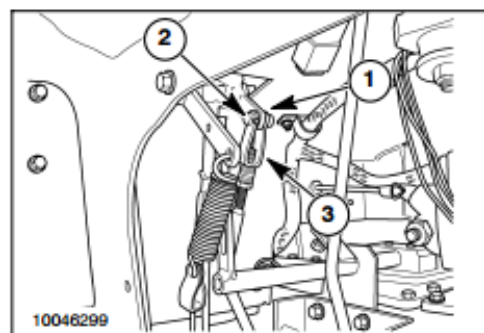
1

3. Remove the cotter pin, 1, and pin, 2, and move the PTO link, 3, out of the way.



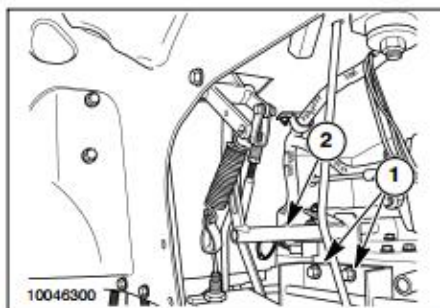
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4. Remove the cotter pin, 1, and pin, 2, and move the range gear link, 3, out of the way.



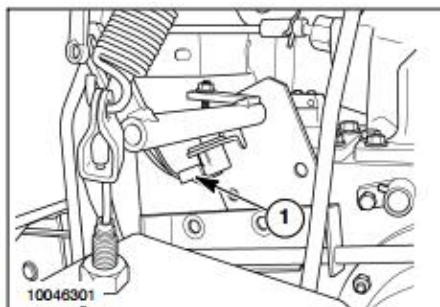
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- 5. Remove the two cap screws, 1, retaining the brackets for the PTO valve and differential lock linkage. Do not remove the PTO linkage, 2, from the valve.



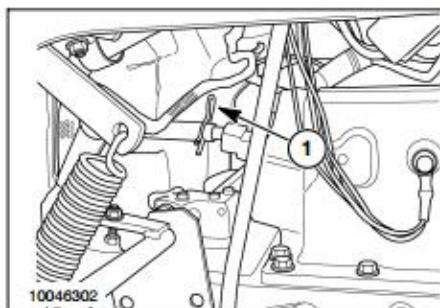
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- 6. Disconnect the PTO neutral switch connector, 1.



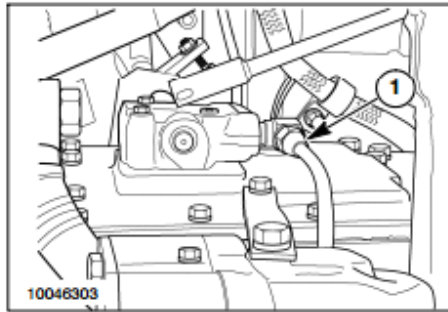
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- 7. Remove the hair pin cotter, 1, from the 3 point hitch drop rate shaft.



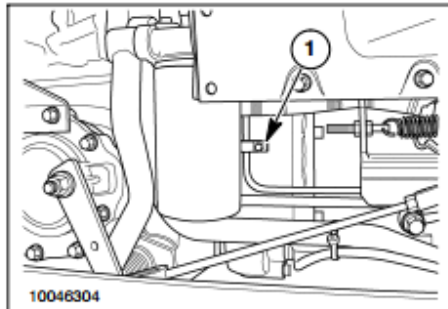
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- 8. Disconnect the hydraulic supply line, 1, from the PTO control valve.



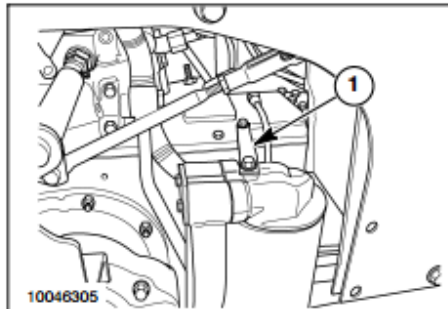
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- 9. Disconnect the clamp, 1, for the hydraulic supply line.



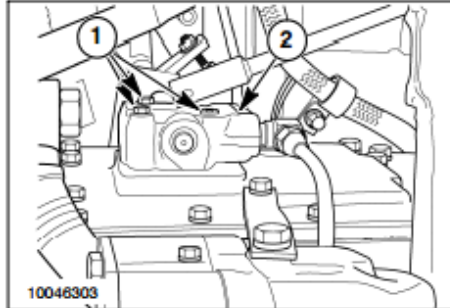
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- 10. Remove the support strap, 1, for the hydraulic filter.



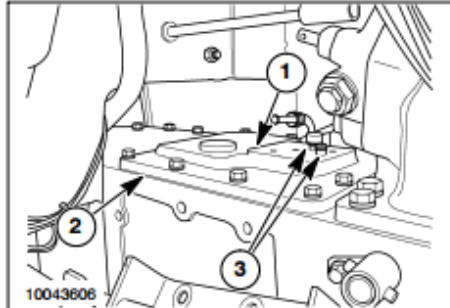
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11. Remove the three M6 cap screws, 1, retaining the PTO valve, 2, and carefully remove the PTO valve and linkage.



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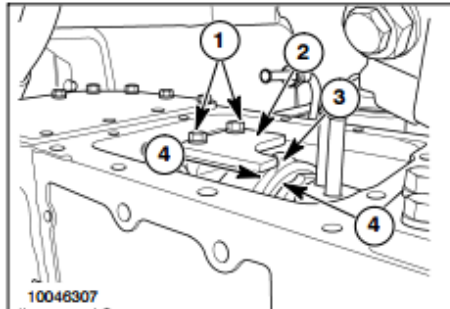
12. Remove the M8 cap screws and remove the rear axle cover, 1. Use the prying notches, 2, to break the cover from the sealant.
13. Carefully remove the cover being careful to clear the transfer tubes, 3, so they do not fall into the rear axle housing.



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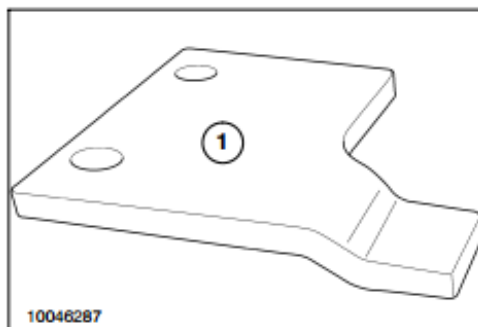
14. Remove the two M8 cap screws, 1, retaining the PTO stop plate, 2, from the rear axle housing, and remove the plate. Be careful not to drop the cap screws or plate. Discard the plate it will not be re used.

Inspect the stop plate, 2, where it was contacted by the clutch brake disc, 3. If there are signs the clutch brake disc passed under the stop plate then, without removing any parts, visually inspect the clutch brake disc, and clutch friction discs, 4, for any damage. If any damage is noted replace the damaged parts and submit a separate warranty claim for this work.



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15. Clean the two stop plate mounting holes and clean the two M8 cap screws. Add Loctite 242 thread sealant to the cap screws and install the stepped shaped PTO stop plate, 1, with an offset profile. Torque the hardware to 28 N m (21 ft. lbs).



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16. Clean the Rear axle cover and housing mating surface. Coat the top of the rear axle housing with Loctite RTV silicone. Install the cover with the M8 cap screws taking care to slide the cover over the transfer tubes. Torque the hardware to 28 N m (21 ft. lbs)
17. Clean the PTO valve sealing surface and the mating surface on the cover. Inspect the o rings on the bottom of the PTO valve and on the transfer tubes.
18. Align the PTO valve with the transfer tubes and place the PTO valve on the cover. Install the three M6 cap screws and torque to 10 N m (89 in lb)

Note: An inch pound torque wrench is required.

19. Connect hydraulic supply line to PTO valve.
20. Install support strap for the hydraulic filter.
21. Install clamp for hydraulic supply line.
22. Install the hair pin cotter for the 3 point hitch drop rate shaft.
23. Install brackets for the PTO valve and differential lock linkage.
24. Install pin and cotter pin for the range gear link.
25. Install the pin and cotter pin for the PTO link.
26. Install the wheels and torque the hardware to 169 N m (125 ft. lb)
27. Connect the negative battery cable.
28. Start the tractor and check that the PTO function:
 - A. PTO shaft stops with PTO control lever in the off position.
 - B. PTO shaft turns with the PTO control lever in the on position.

CONCERN The PTO brake disc tab may be forced, by high inertia implements, past the stop plate resulting in loss of the PTO brake function and excessive noise

Models TC35, TC40, TC45, TC35A, TC40A, TC45A, TC35D, TC40D, TC45D, TC35DA, TC40DA, TC45DA:

Qty1 Part # Description Source 1 SBA399570011 Brake stop

All models may also require: Qty Part # Description Source AR ZPX81158 Loctite RTV silicone Direct Ship *

AR ZPX24236 Loctite 242 Direct Ship * thread sealant

