

NEW HOLLAND
T4020
T4030
T4050
Deluxe/Supersteer Tractors

REPAIR MANUAL

NEW HOLLAND
AGRICULTURE

SERVICE

84158071

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The following pages are the collation of the contents pages from each section and chapter of the T4020, T4030, T4040, T4050 Deluxe and SuperSteer Repair manual. Complete Repair part # 84158071.

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 T4020, T4030, T4040, T4050 Deluxe and SuperSteer Tractors.

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SECTION 00 - GENERAL

BOOK 1 - 84158072

Chapter 1 - General

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SECTION 10 - ENGINE

BOOK 1 - 84158072

Chapter 1 - Engine

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SECTION 10 - ENGINE

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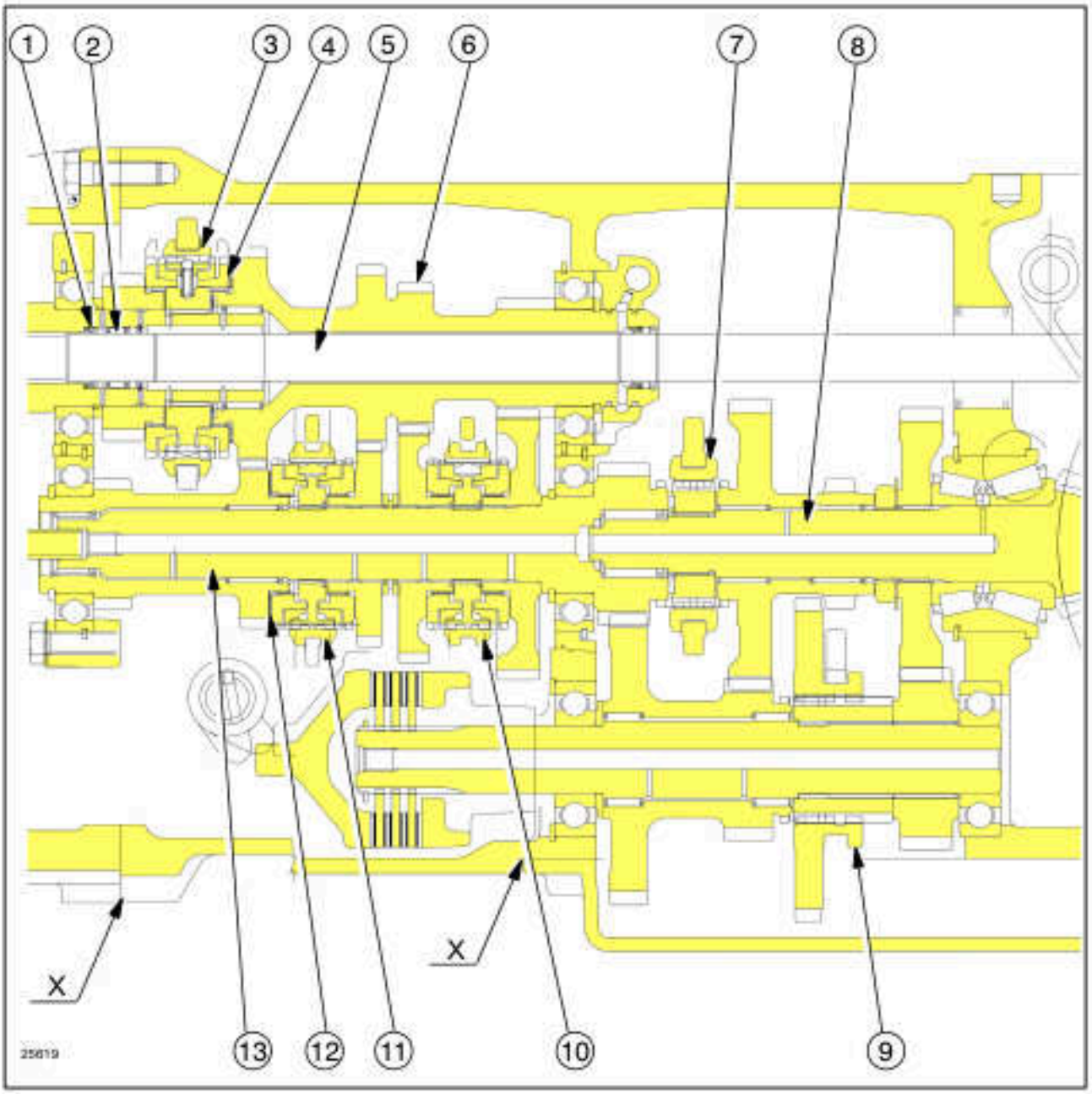
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SECTIONAL VIEWS



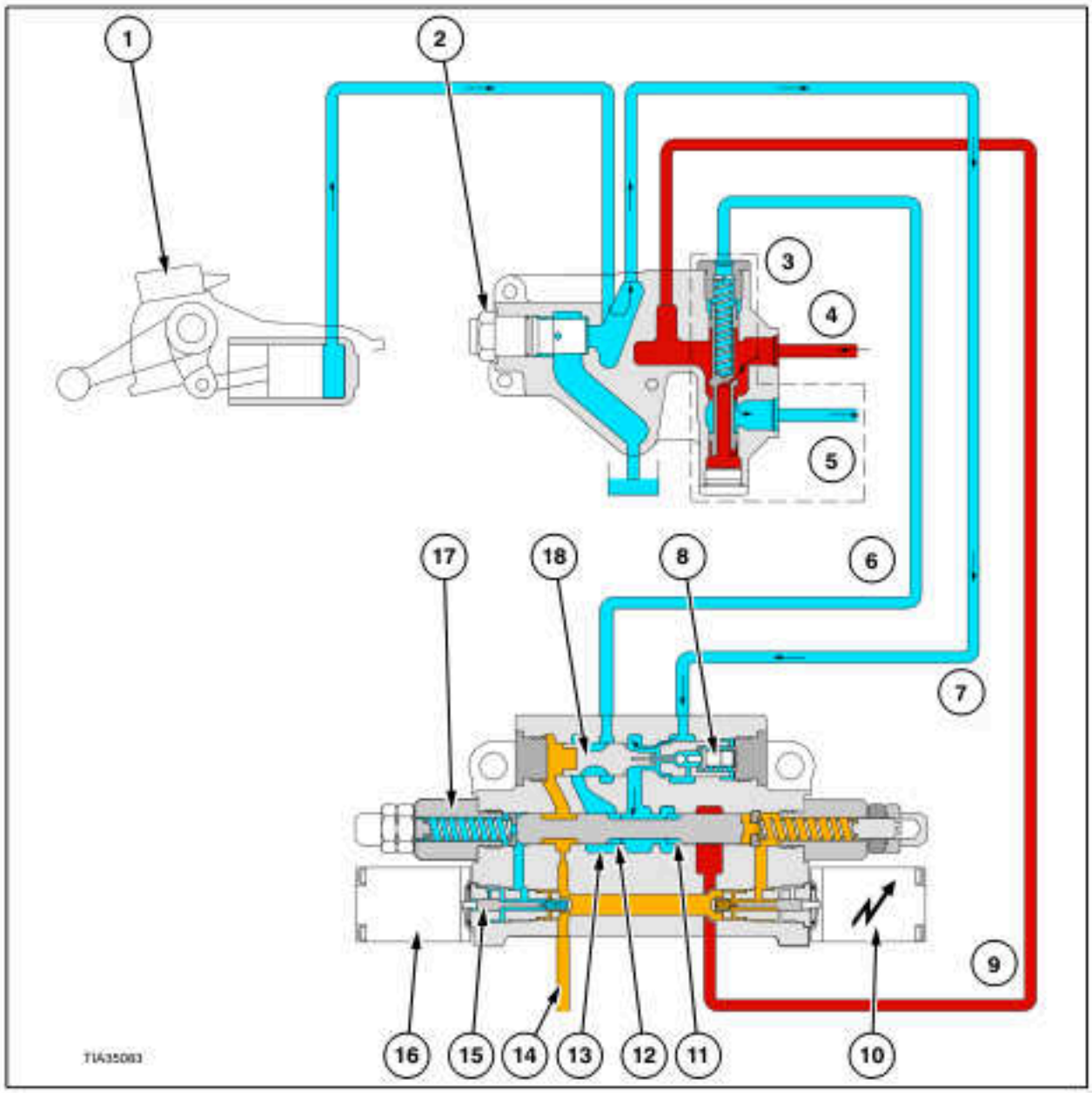
6

Longitudinal cross-sectional view of gearbox and gear range

1. Seal.
2. Power take-off shaft support roller bearings.
3. Reverser control synchronizer.
4. Gearbox driving gear clearance adjusting thickness.
5. Power take-off shaft.
6. Gearbox driving gear.
7. Selector sleeve for high or medium-low speeds.
8. Bevel Pinion Shaft.
9. Selector sleeve for low or medium-high speeds.
10. Synchronizer for 1st and 2nd speed.
11. Synchronizer for 3rd and 4th speed.
12. Gearbox driven shaft gear clearance adjusting thickness.
13. Gearbox driven shaft.

NOTE: *When fitting apply sealing compound to surfaces* ***X*** *as shown on page 30.*

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Electronically controlled lift functional diagram. Lowering phase

1. Hydraulic lift.
2. Lift cylinder safety valve.
3. Load Holding Valve.
4. Hydraulic pump flow.
5. Discharge in transmission casing.
6. Load measuring line.
7. To hydraulic lift.
8. Non-return valve.
9. Pump flow to hydraulic control valve.
10. Solenoid valve (Lowering).
11. Control valve block pin infeed dosage device.
12. Control valve block pin return to tank dosage device.
13. Oil discharge hole.
14. Low pressure circuit pilot pressure.
15. Pilot valve.
16. Solenoid valve (Lifting).
17. Control valve block pin centering spring.
18. Lifting valve.

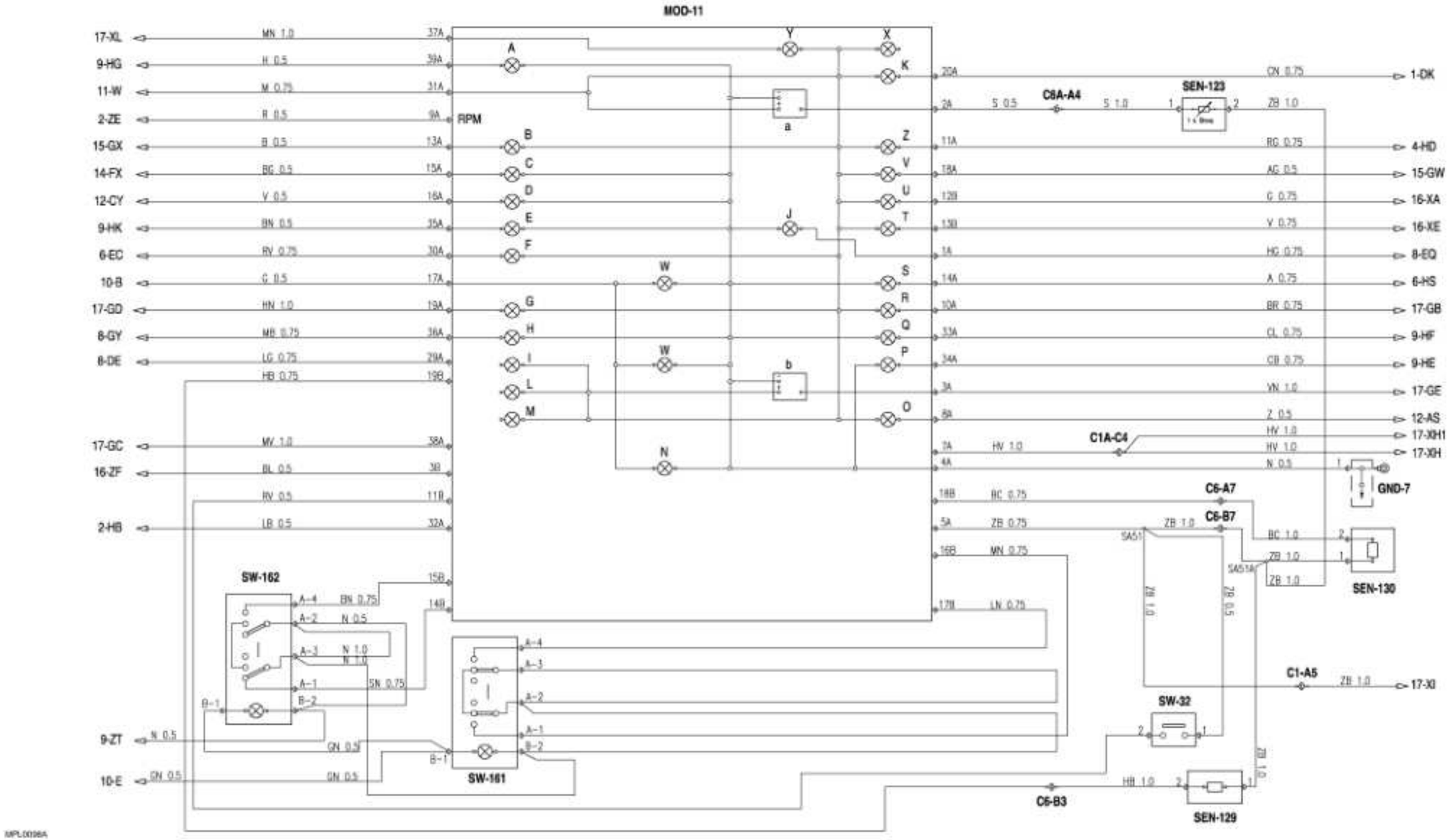
Pump delivery oil.

Discharge oil.

Pilot oil at a pressure of 16 bar.

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INSTRUMENT AND SENSOR CIRCUIT - DIAGRAM 7



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