SERVICE MANUAL

T4.80F
T4.90F
T4.100F
T4.110F
T4.80LP
T4.90LP
T4.100LP
T4.110LP

Tractor

PIN HLRT410FHHLT06645 and above

Part number 51525992

English

November 2018

NEW HOLLAND AGRICULTURE

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MidWestTech | New Holland T4.80F, T4.90F, T4.100F, T4.110F, T4.80LP, T4.90LP, T4.100LP, T4.110LP Tractor Service Manual | Publication 51525992

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Harnesses and connectors - Component localization 10 - CAT.2 cab roof harness

T4.100F With cab [HLRT410FVHLT05687 -]	APAC — MEA — WE
T4.100LP With cab [HLRT410LJHLT07888 -]	APAC — MEA — WE
T4.110F With cab [HLRT411FHHLT05607 -]	APAC — MEA — WE
T4.110LP With cab [HLRT411LKHLT08505 -]	APAC — MEA — WE
T4.80F With cab [HLRT480FTHLT07324 -]	APAC — MEA — WE
T4.80LP With cab [HLRT480LEHLT07889 -]	APAC — MEA — WE
T4.90F With cab [HLRT490FHHLT07874 -]	APAC — MEA — WE
T4.90LP With cab [HLRT490LHHLT07864 -]	APAC — MEA — WE

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Wiring harnesses - Electrical schematic sheet 38 SH-038_HY-DRAULIC_stabilizers _rh stay

T4.100F Without cab [HLRT410FHHLT06645 -]	APAC --- MEA --- WE
T4.100LP Without cab [HLRT410LTHLT07868 -]	APAC --- MEA --- WE
T4.110F Without cab [HLRT411FJHLT07110 -]	APAC --- MEA --- WE
T4.110LP Without cab [HLRT411LLHLT08186 -]	APAC --- MEA --- WE
T4.80F Without cab [HLRT480FKHLT07195 -]	APAC --- MEA --- WE
T4.80LP Without cab [HLRT480L*JLT***** -]	APAC --- MEA --- WE
T4.90F Without cab [HLRT490FAHLT07208 -]	APAC --- MEA --- WE
T4.90LP Without cab [HLRT490LPHLT07434 -]	APAC --- MEA --- WE

Type	Component	Connector / Link
Switch	**S-073** - STABILIZERS LOCK SW (Switch)	**X-221** - Stabilizers lock sw connection [S-073] (87745322) **X-221L** - Stabilizers lock sw lamp [S-073] (84131048)
Switch	**S-074** - STABILIZERS REG SW (Switch)	**X-220** - Stabilizers reg sw [S-074] (87745329) **X-220L** - Stabilizers reg sw lamp [S-074] (84131048)
Switch	**S-075** - RH STAY HYDRAULIC REG SW (Switch)	**X-219** - RH stay hydraulic reg sw lamp [S-075] (87745329) **X-219L** - RH stay hydraulic reg sw lamp [S-075] (84131048)
Connector	X-200A	**X-200A** - Hydraulic transmission connectio (87543123)
Connector	X-200B	**X-200B** - Hydraulic transmission connectio (84155471)
Connector	X-219	**X-219** - RH stay hydraulic reg sw lamp [S-075] (87745329)
Connector	X-219L	**X-219L** - RH stay hydraulic reg sw lamp [S-075] (84131048)
Connector	X-220	**X-220** - Stabilizers reg sw [S-074] (87745329)
Connector	X-220L	**X-220L** - Stabilizers reg sw lamp [S-074] (84131048)
Connector	X-221	**X-221** - Stabilizers lock sw connection [S-073] (87745322)
Connector	X-221L	**X-221L** - Stabilizers lock sw lamp [S-073] (84131048)

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3338 (DTC 3C8-02) - Timeout of CAN message TSC1-VE speed - when inactive

NOTE: *When the cause of the error code has been rectified, clear the error code and test the system for normal operation.*

Cause:
The CAN TSC1VE message contains the information for torque/speed demand from the vehicle control unit (XCM) to the engine control unit (ECU). The ECU has detected a timeout for the message CAN TSC1_VE.

Possible failure modes:

1. Wiring faulty
2. Interference on the BUS CAN
3. Faulty control unit
4. Faulty XCM

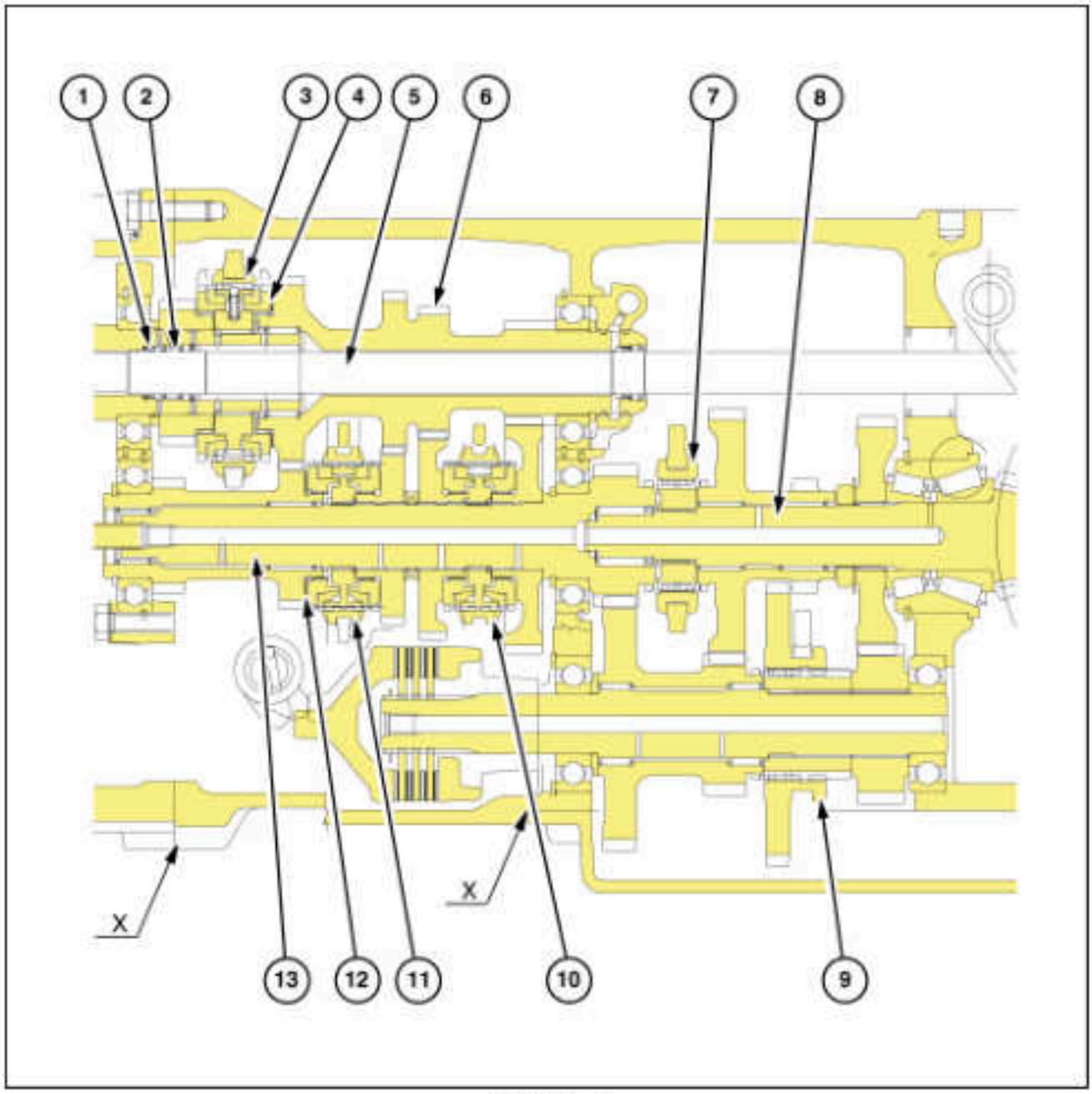
Solution:

1. Before proceeding clear the error code with the approved diagnostic equipment. Run the tractor under normal conditions and retest.
   A. If the error code is not indicated, check that the system is operating correctly.
   B. If the error re-occurs, continue to step **2**.
2. Check for other CAN related error codes displayed.
   A. If other error codes are indicated, continue to test for these errors.
   B. If no other error codes are displayed, continue to step **3**.
3. Check all power supplies and grounds to the control units on the CAN BUS network.
   A. If a fault is indicated, repair or replace the wiring as required.
   B. If the power supplies and grounds are okay, download the correct levels of control unit software.
   C. If the fault is still present, remove and replace the control unit.

Wiring harnesses - Electrical schematic sheet 57 SH-057_CAN 1_cab (55.100.DP-C.20.E.57)
Wiring harnesses - Electrical schematic sheet 58 SH-058_CAN 1_rops (55.100.DP-C.20.E.58)

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Transmission internal parts - Sectional view



M3L111F005GB 1

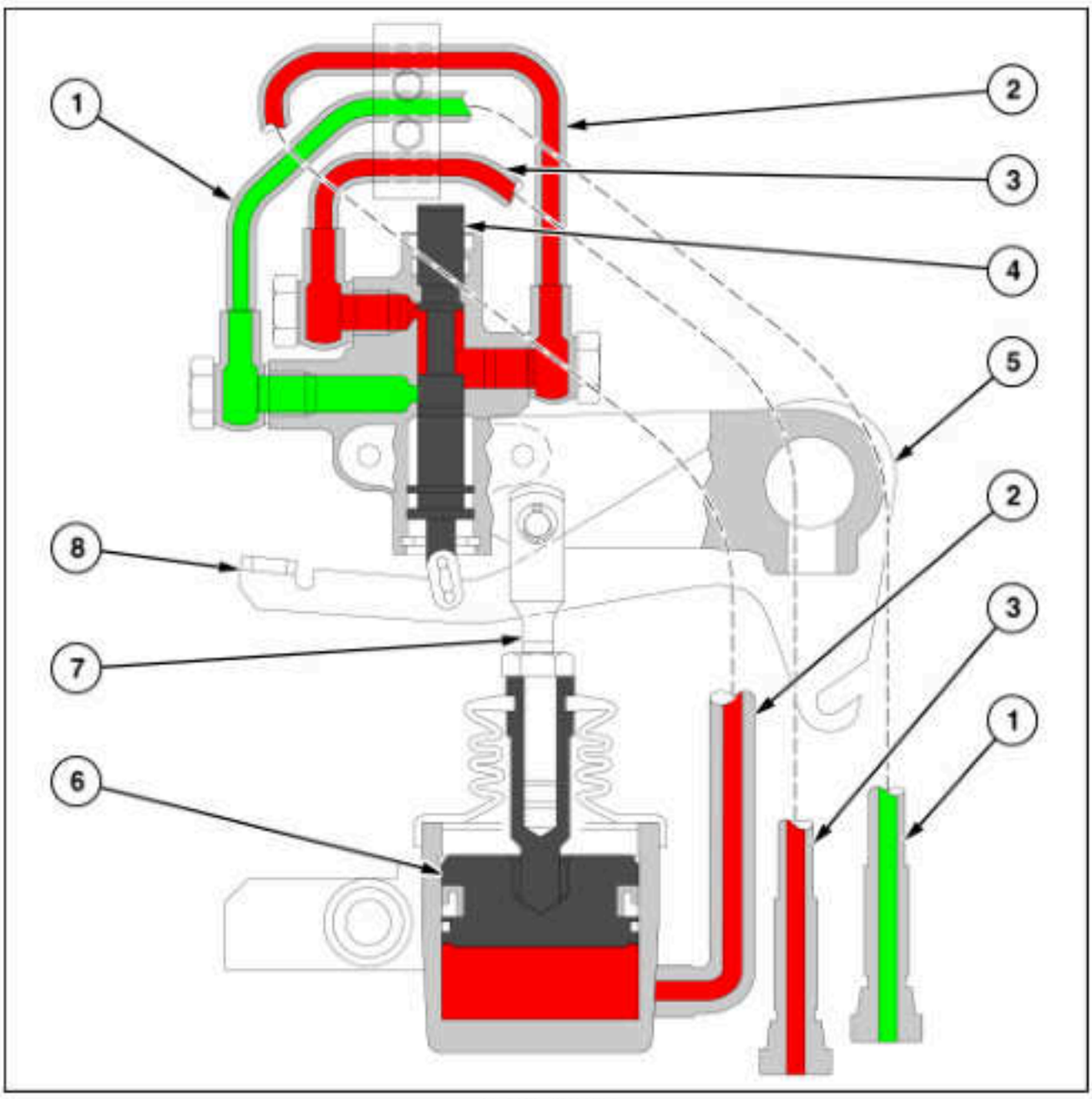
Longitudinal cross-sectional view of gearbox and gear range

1. Seal
2. Power take-off shaft support roller bearings
3. Reverser control synchroniser
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. Synchroniser for 1st and 2nd speed
11. Synchroniser for 3rd and 4th speed
12. Gearbox driven shaft gear clearance adjusting thickness
13. Gearbox driven shaft

NOTE: *On assembly apply a bead of sealing compound to the surfaces X as indicated on* ***Transmission drive housing - Reseal (21.114)****.*

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4. Dust seal ring
5. O-ring
6. Control valve drive pin
7. P.T.O. clutch lever
8. Lock nut
9. Flexible protective sleeve
10. Piston housing
14. Control valve lever, connected by cable to control lever in cab
15. Lever control linkage **(7)**
16. Retaining ring
17. O-ring
18. Spring
19. Control valve body

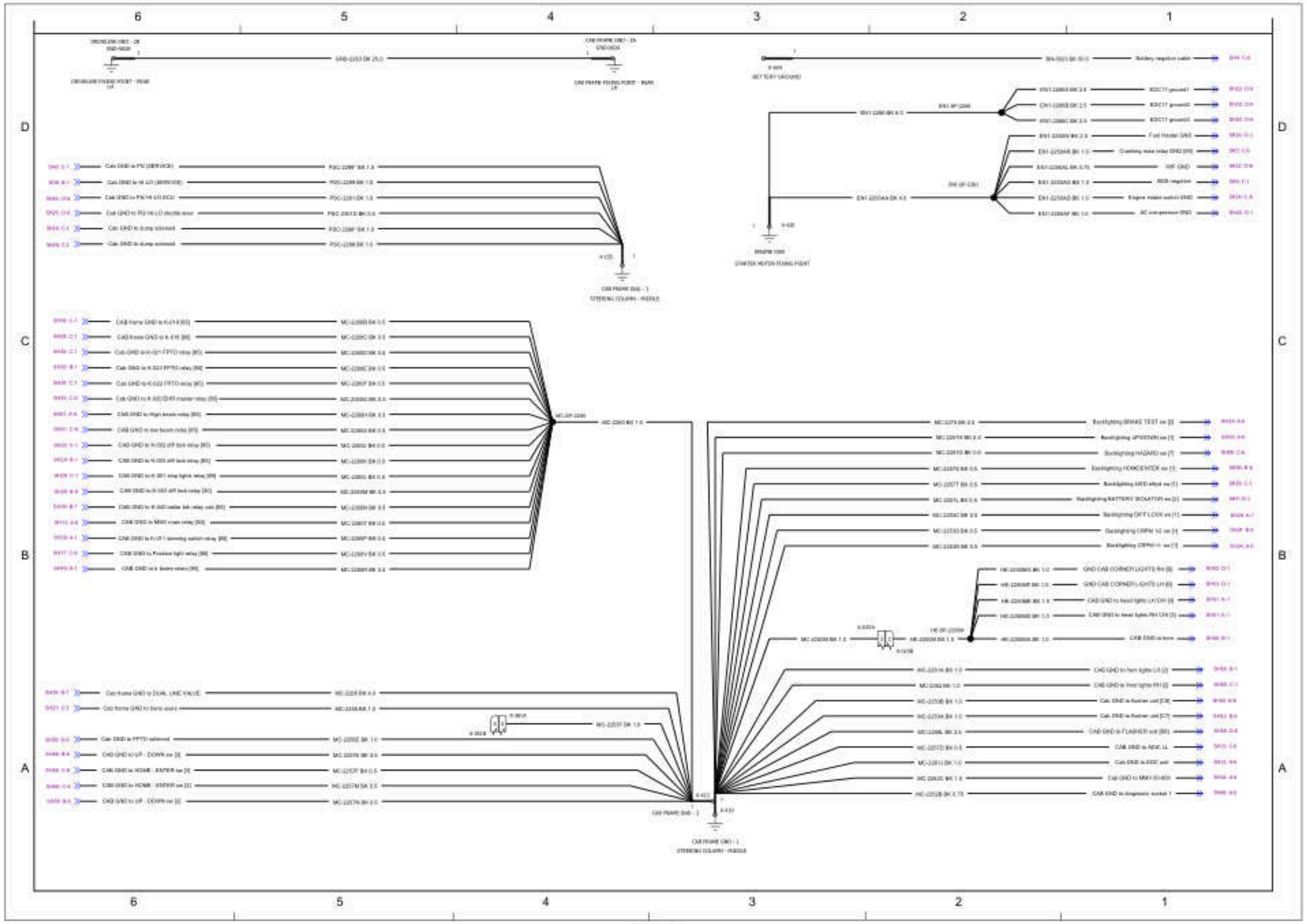


MOUTF037SOC 2

Pressurized oil

Discharge oil

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