# Rowtrac™ 370 / 420 / 470 / 500
# Steiger® 370 / 420 / 470 / 500 / 540 / 580 / 620
# Quadtrac® 470 / 500 / 540 / 580 / 620
# Tier 4B (final)
# Tractor

*PIN ZFF308001 and above*

# SERVICE MANUAL

**Part number 47924539**
1st edition English
September 2015

CASE IH AGRICULTURE

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## Engine - 10

### Engine and crankcase - 001

SERVICE

Engine


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(*) See content for specific models




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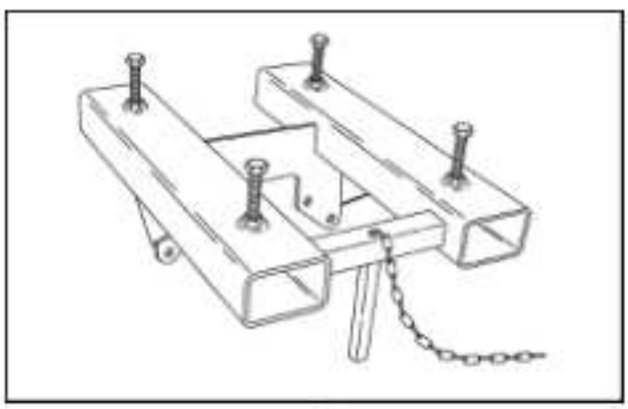
# Front axle track yoke assembly - Torque - Rowtrac models

| |
|---|
| RowTrac™ 370 |
| RowTrac™ 420 |
| RowTrac™ 470 |
| RowTrac™ 500 |

| Item | Metric value | U.S. value |
|---|---|---|
| Yoke to differential extension housing bolts | 845 - 950 N·m | 623 - 701 lb ft |
| Extension housing to yoke bolts for **3048 mm (120 in)** spacing | 762 - 1031 N·m | 562 - 760 lb ft |
| Yoke arm extension bolts | 845 - 950 N·m | 623 - 701 lb ft |
| Hub with flanged shaft housing bolts | 251 - 280 N·m | 185 - 207 lb ft |
| Nuts on M24 studs | 845 - 950 N·m | 623 - 701 lb ft |
| Nuts for M24 studs for **2235 mm (88 in)** spacing | 762 - 1031 N·m | 562 - 760 lb ft |
| Input gear bearing carrier bolts | 101 - 113 N·m | 74 - 83 lb ft |
| Output gear bearing carrier bolts | 101 - 113 N·m | 74 - 83 lb ft |
| Driveshaft mounting bolts | 115 - 129 N·m | 85 - 95 lb ft |

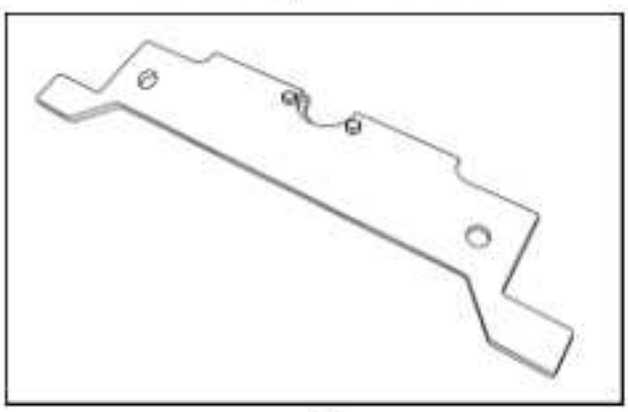
# Front axle track yoke assembly - Special tools - Rowtrac models

| |
|---|
| RowTrac™ 370 |
| RowTrac™ 420 |
| RowTrac™ 470 |
| RowTrac™ 500 |



1

**380003324 Upbox Lift Frame**



2

**380003327 Axle shaft holding bar**



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## Wiring harnesses - Electrical schematic sheet 48 - Lighting - 360 roof work lamps

| Type | Component | Connector / Link | Description |
|---|---|---|---|
| Lamp | **E-935** | C940 | LEFT FRONT 360 LED WORK LIGHT (IF EQUIPPED) |
| Lamp | **E-936** | C940 | RIGHT FRONT 360 LED WORK LIGHT (IF EQUIPPED) |
| Lamp | **E-937** | C940 | LEFT REAR 360 LED WORK LIGHT (IF EQUIPPED) |
| Lamp | **E-938** | C940 | RIGHT REAR 360 LED WORK LIGHT (IF EQUIPPED) |
| Relay | **K-008** | | FRONT ROOF 360 LAMPS RELAY |
| Relay | **K-009** | | REAR ROOF 360 LAMPS RELAY |



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# 4327-Rear remote no. 7 - unable to reach neutral

STEIGER®

***NOTE:*** *Follow the maintenance schedules in operator manual for hydraulic fluid and filter change intervals. Improper maintenance can lead to sticking valve spools.*

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

**Possible failure modes:**

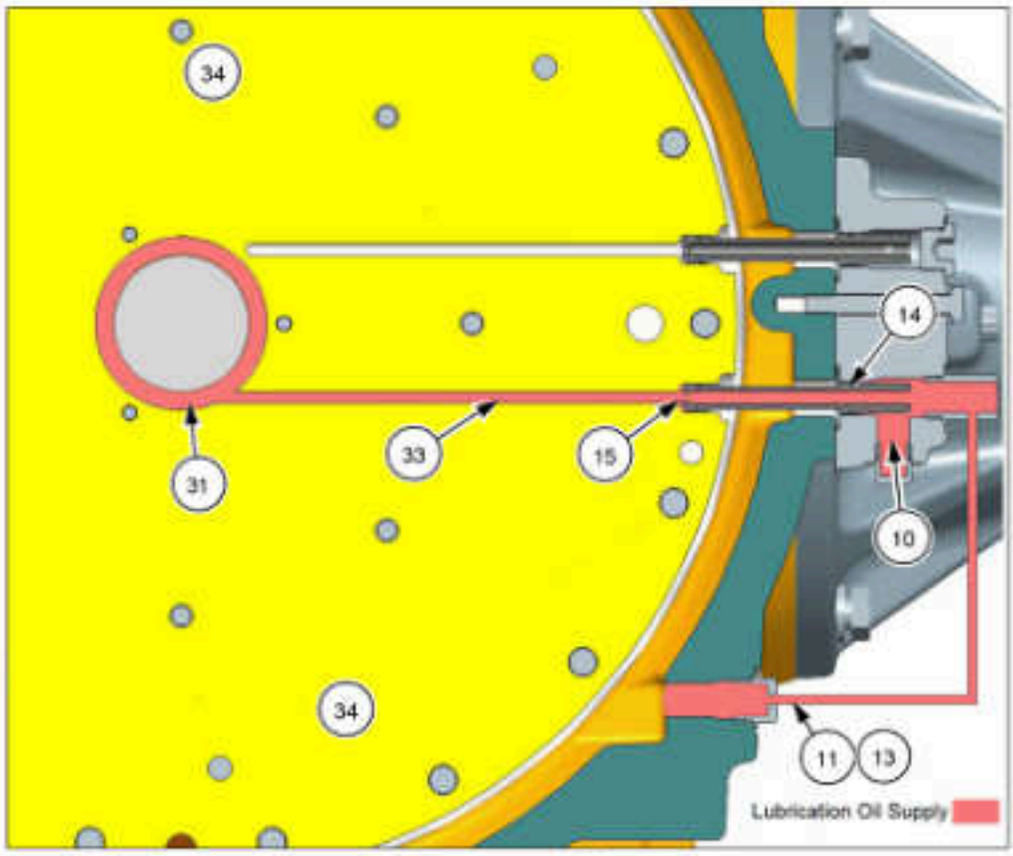
1. A valve section was recently replaced and the tie bolts over torqued
2. Stuck spool due to contamination
3. Faulty electro hydraulic remote (EHR) pilot head
4. Faulty electro hydraulic remote (EHR) valve section

**Solution:**

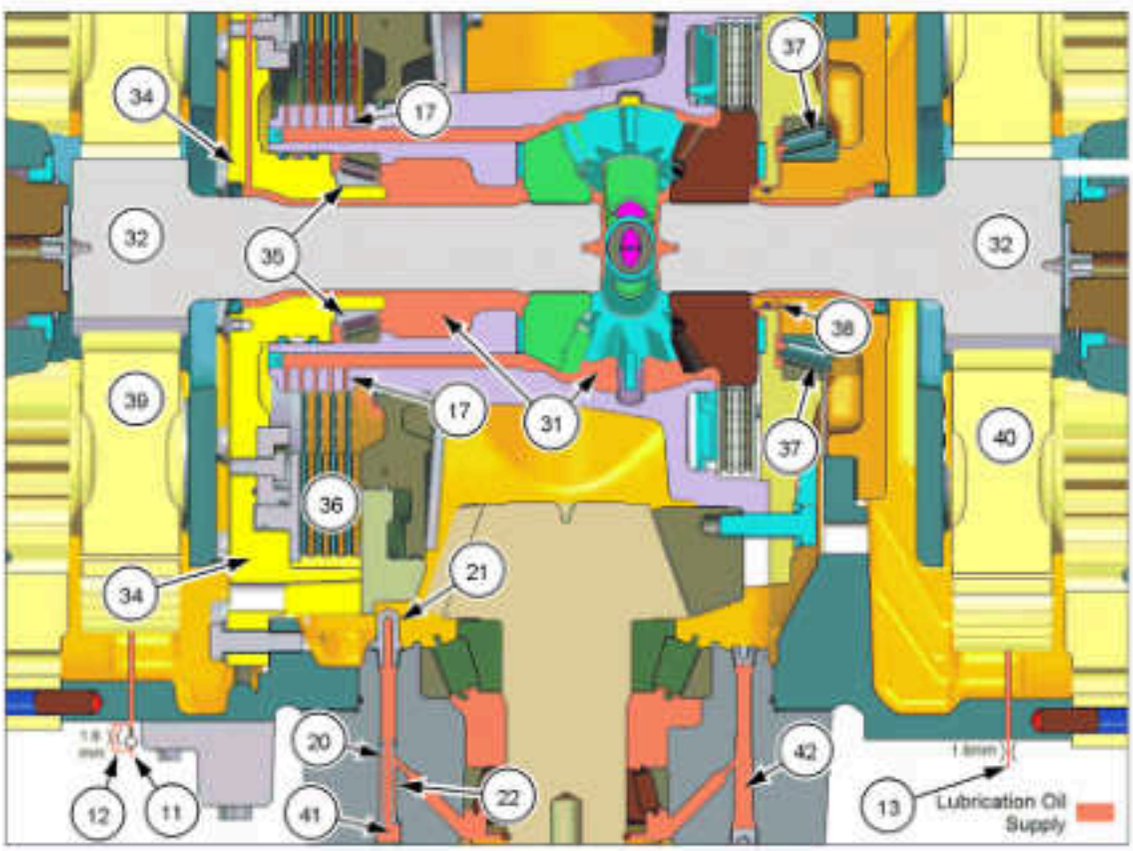
1. If a remote valve section was replaced recently check the valve tie bolt torque. Tie bolts must be tightened to a torque of **47 - 52 N·m** (**35 - 38 lb ft**).
   A. Tie bolts were over torqued. Spool now returns to neutral. Troubleshooting complete.
   B. Valve sections are not over torqued, continue to step **2**
2. Check for other EHR error code(s).
   A. Make a note of the error code(s), clear the error code(s) and test the system for normal operation.
   B. If the fault is still present, continue to step **3**
3. Check the system oil for contamination.
   A. If the oil is contaminated, replace as required. Attempt to operate the remote section repeatedly, checking to see if normal operation returns. If not continue with step **4**
   B. If the oil is not contaminated, continue to step **4**
4. Download the correct level of software and configure the EHR valve.
   A. If the fault code does not reoccur troubleshooting is complete.
   B. If the fault reoccurs, remove, replace, and configure the EHR valve pilot head. If the fault is still present, continue to step **5**
5. Replace the EHR valve section. Download the correct level of software and configure the EHR valve.
   A. If the fault code does not reoccur troubleshooting is complete.
   B. If the fault reoccurs, submit a concern to ASIST.



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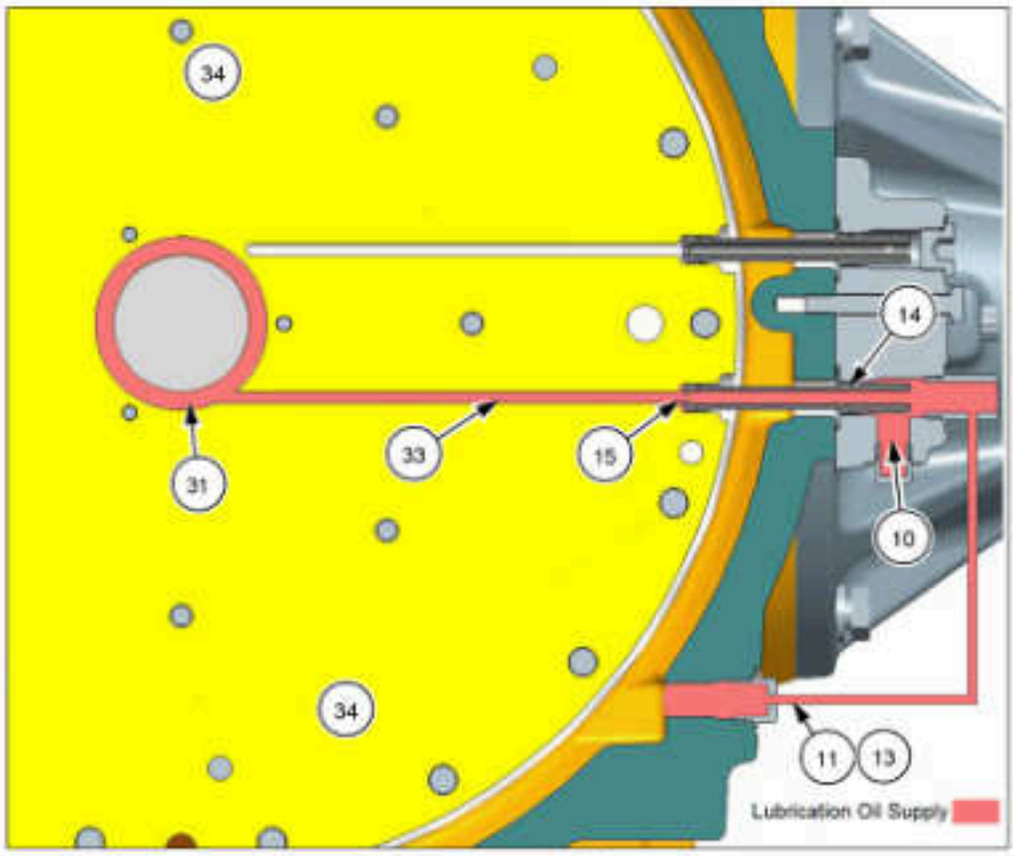

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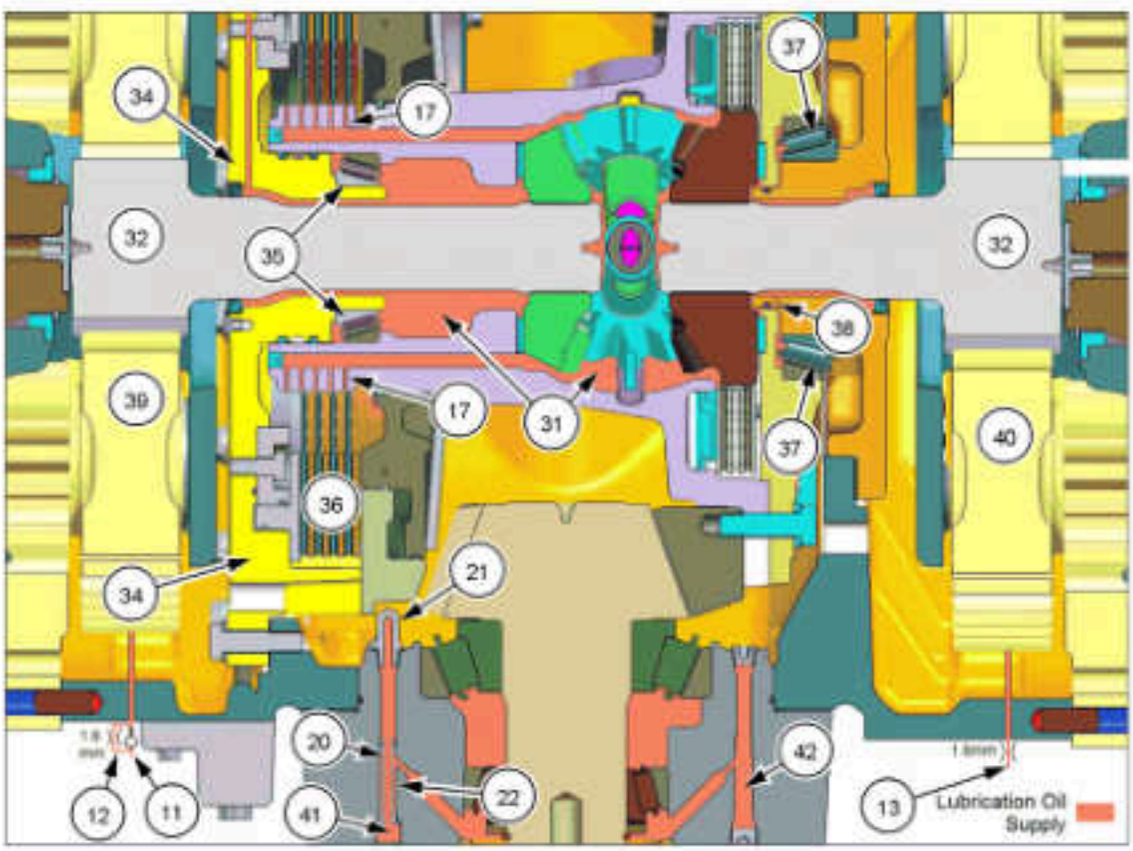

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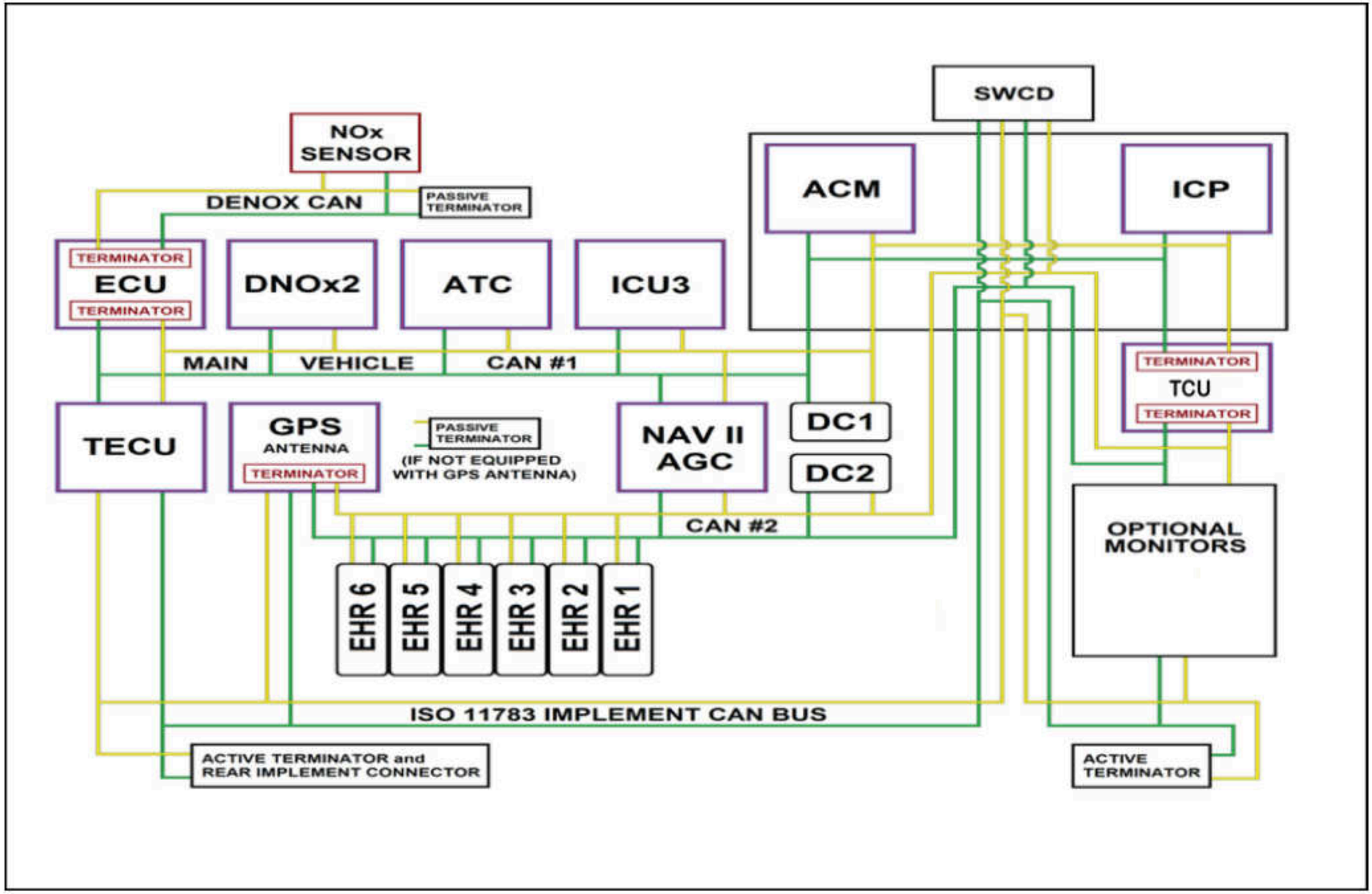

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