# 586H
# 588H
# Tier 4B (final)
# Rough Terrain Forklift

# SERVICE MANUAL

**Part number 47821916**
1st edition English
April 2015

CASE CONSTRUCTION

MidWestTech | Case 586H, 588H Tier 4B Rough Terrain Forklift Service Manual | Publication 47821916
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2. Connect the brake lines **(5)** and **(7)** to the master cylinder. Tighten to specification.

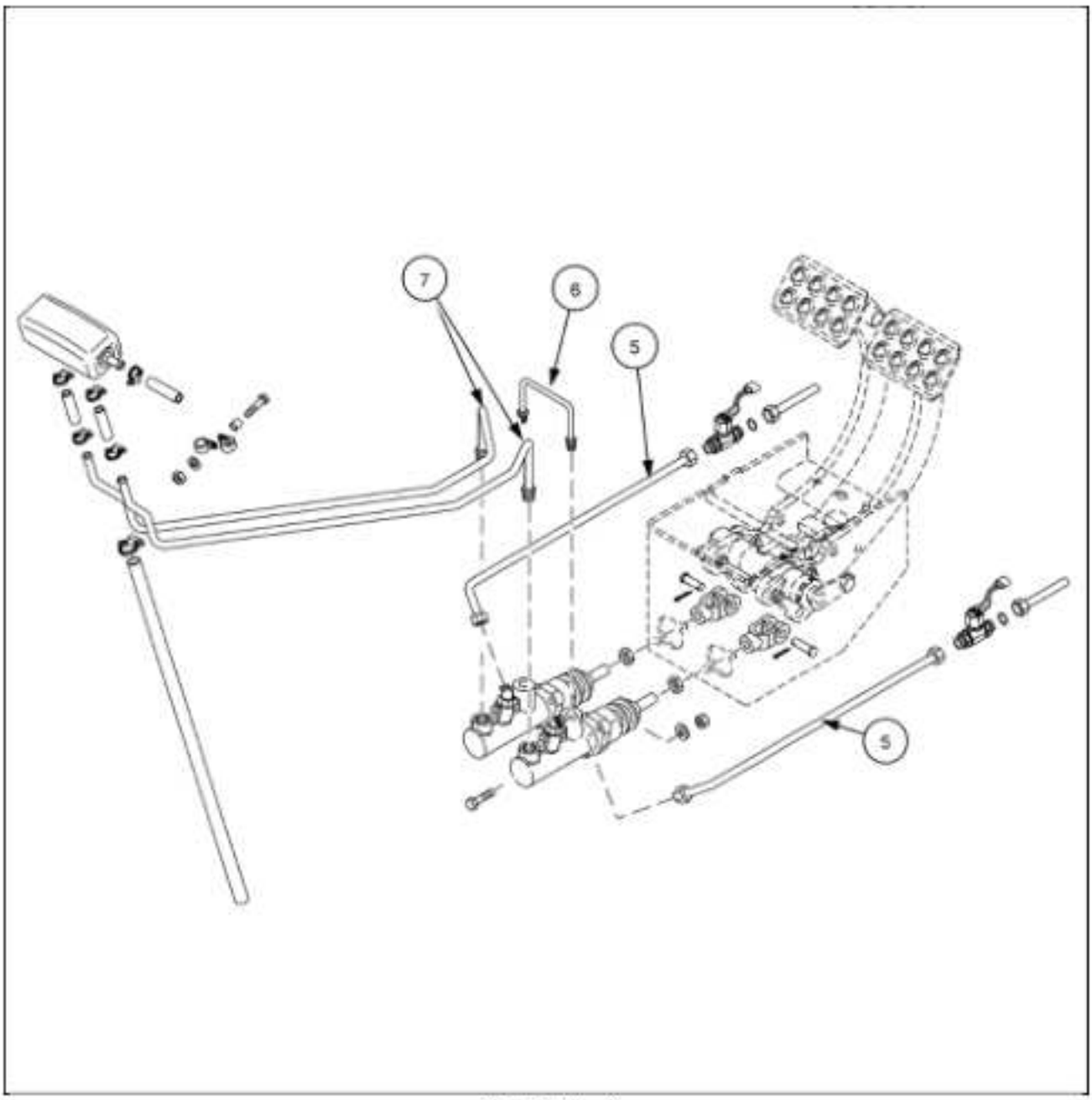
**Specification**

| | |
|---|---|
| Brake Lines **(5)** and **(7)** Torque | **31.2 - 35.3 N·m (23.0 - 26.0 lb ft)** |

3. Connect brake line **(6)** to the master cylinder, and tighten to specification.

**Specification**

| | |
|---|---|
| Brake Line **(6)** Torque | **22 - 27 N·m (16.2 - 19.9 lb ft)** |




RAPH12FR03034HA 2

5–Brake Line 6–Brake Line 7–Brake Line

***NOTE:*** *Turning the clevis the same number of turns recorded in the removal procedure will be only a rough adjustment; push rod to piston clearance will still need to be adjusted. The lock nut can be tightened once final adjustment has been made.*



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# 3305-Fuel metering unit: Minimum rail pressure exceeded

***NOTE:*** *If the Pressure Relief Valve (PRV) is replaced, it is necessary to perform the Replacement of the Rail Pressure Relief Valve (PRV) - Reset ECU Data with the Electronic Service Tool (EST) before you return the machine to service. Refer to the engine service manual* ***Common rail Relief valve - Configure - Reset ECU data (10.218)****, if necessary.*

***NOTE:*** *If the rail pressure sensor B-9004 is replaced, it is necessary to perform the Replacement of the Rail Pressure sensor - Reset ECU Data with the Electronic Service Tool (EST) before you return the machine to service. Refer to the engine service manual* ***Common rail pressure sensor - Configure - Reset ECU data (Rail pressure sensor) (55.010)****, if necessary.*

**Context:**
The Engine Control Unit (ECU) A-9000 monitors fuel rail pressure using the rail pressure sensor B-9004. If the ECU A-9000 determines that the measured rail pressure is less than a dependent engine speed value, this fault will occur. Other active faults may have caused this fault to occur. For more information regarding fuel system troubleshooting, refer to the engine service manual **Fuel injection system - Troubleshooting (10.218)**.

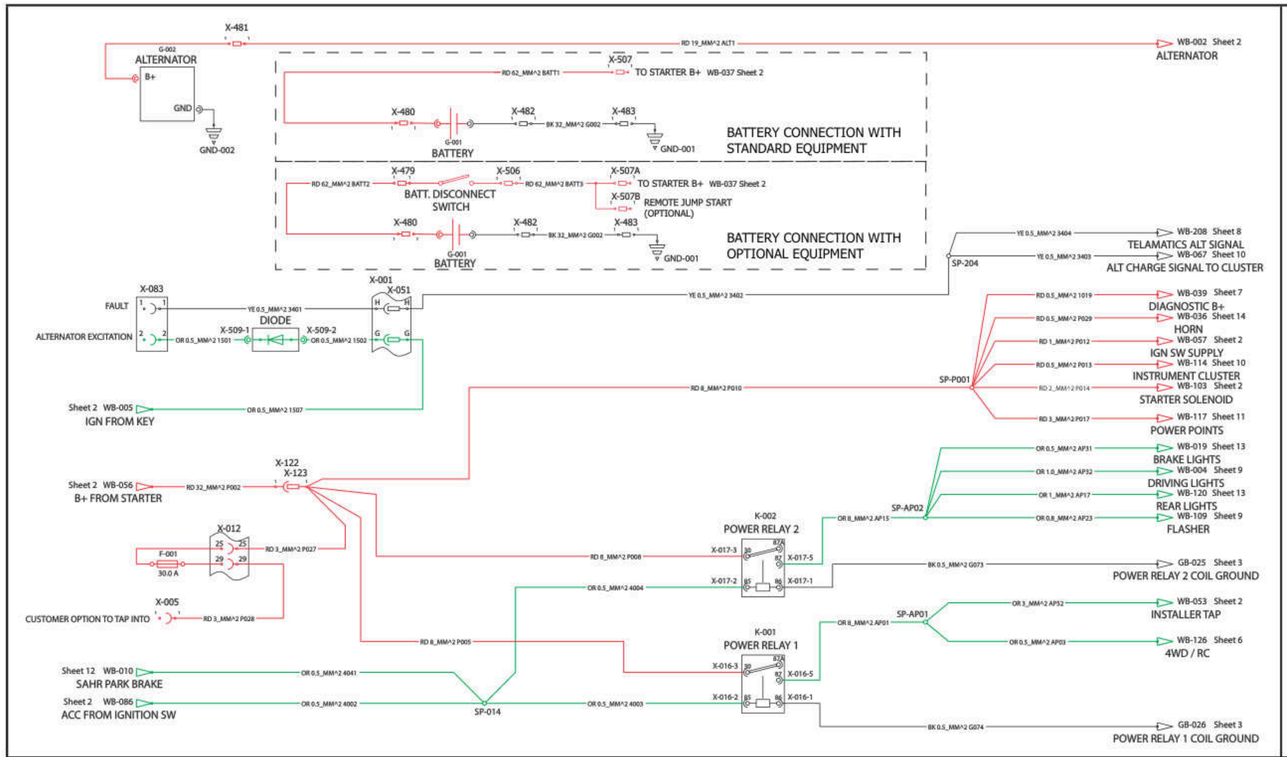
**Cause:**
The ECU A-9000 has determined that the measured rail pressure is less than a dependent engine speed value.

**Possible failure modes:**

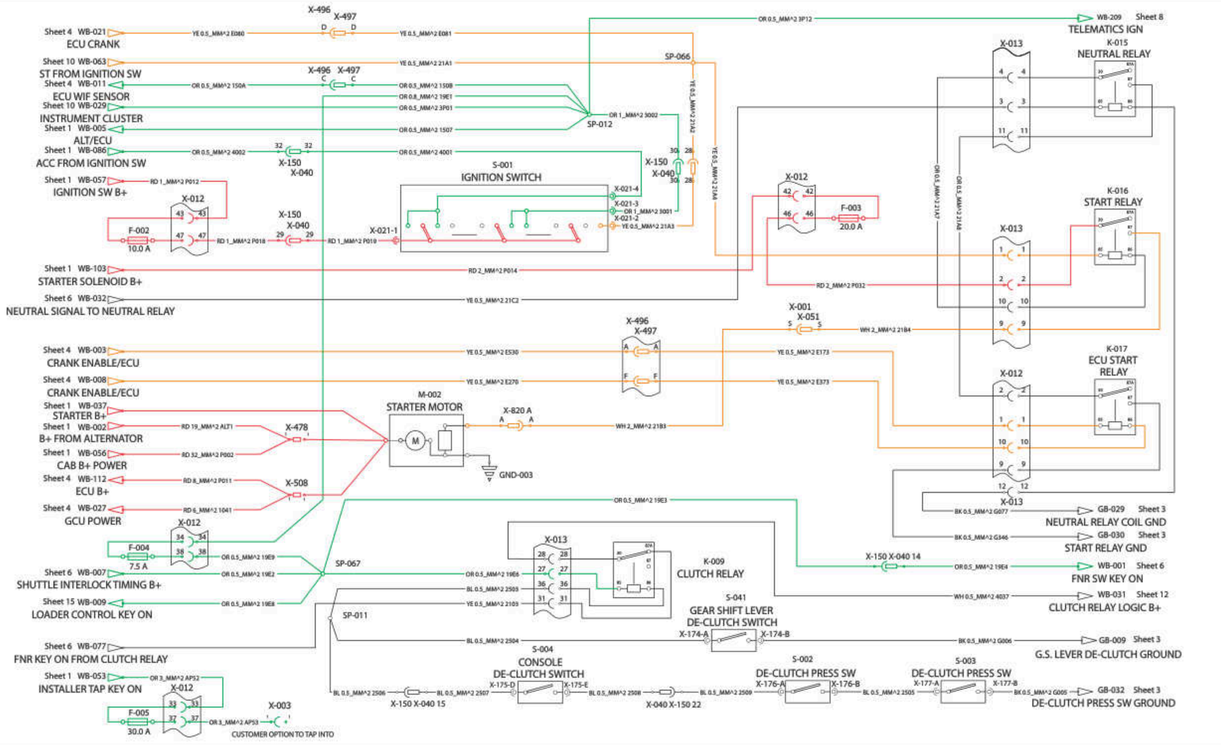
1. Faulty fuel filters, clogged.
2. Faulty low pressure fuel lines, clogged or damaged.
3. Faulty high pressure fuel lines, clogged or damaged.
4. Faulty electric fuel pump (if equipped).
5. Faulty charge gear pump, low efficiency.
6. Faulty high pressure pump, low efficiency or excessive leak-off.
7. Faulty fuel injectors, excessive or leaking internally.
8. Faulty Pressure Relief Valve (PRV), leaking or stuck open.
9. Faulty rail pressure sensor B-9004 or sensor leaking.
10. Faulty fuel metering unit Y-9000
11. Faulty ECU A-9000, software.



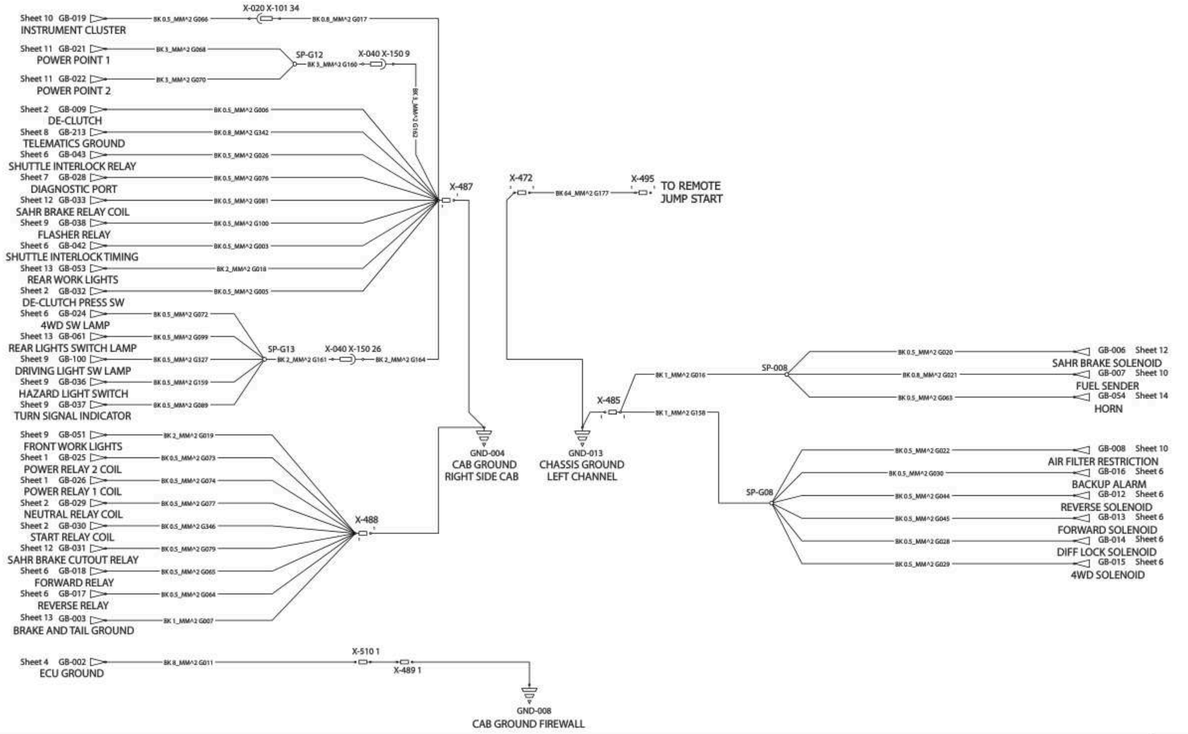
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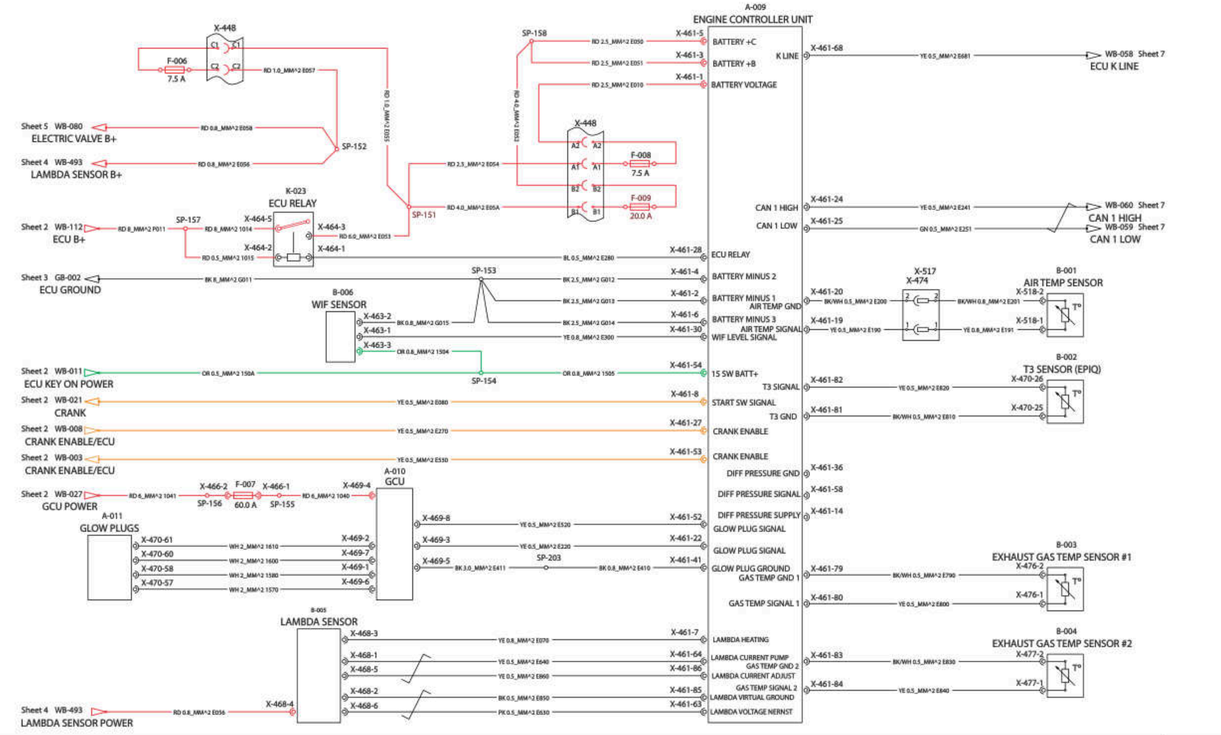

POWER DISTRIBUTION / CHARGING SYSTEM | 1




STARTING SYSTEM | 2




GROUNDING | 3




ENGINE CONTROL | 4

## LEGEND

INDICATES CONSTANT POWER 12V

INDICATES POWER WHEN KEY SWITCH IS ON

INDICATES POWER WHEN KEY SWITCH IS IN START POSITION

| ABBREVIATION | COLOR |
|---|---|
| BK | BLACK |
| BK\WH | BLACK\WHITE |
| BL | BLUE |
| BR | BROWN |
| GN | GREEN |

## COLOR ABBREVIATIONS

| | | | |
|---|---|---|---|
| GY | GRAY | RD | RED |
| LB | LIGHT BLUE | TN | TAN |
| LG | LIGHT GREEN | VT | VIOLET |
| OR | ORANGE | WH | WHITE |
| PK | PINK | YE | YELLOW |

# ROUGH TERRAIN FORK LIFT
# 586H and 588H Tier 4B
# ELECTRICAL SCHEMATIC

SHEET 1 SIDE 1

Additional copies of this schematic can be ordered through Technical Publications Distribution System. Part # RAC 47736518



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