Product	Market Product	Engine
T4.110LP Without cab [ZHLH02201 -]	Europe	F5DFL413J*C002
T4.110LP Without cab [ZHLH02201 -]	Asia Pacific	F5DFL413J*C002
T4.110LP Without cab [ZHLH02201 -]	Middle East Africa	F5DFL413J*C002
T4.80LP With cab [ZHLH04222 -]	Asia Pacific	F5DFL413B*H001
T4.80LP With cab [ZHLH04222 -]	Europe	F5DFL413B*H001
T4.80LP With cab [ZHLH04222 -]	Middle East Africa	F5DFL413B*H001
T4.80LP Without cab [ZHLH03674 -]	Middle East Africa	F5DFL413B*H001
T4.80LP Without cab [ZHLH03674 -]	Europe	F5DFL413B*H001
T4.80LP Without cab [ZHLH03674 -]	Asia Pacific	F5DFL413B*H001
T4.90LP With cab [ZHLH03821 -]	Middle East Africa	F5DFL413L*C001
T4.90LP With cab [ZHLH03821 -]	Asia Pacific	F5DFL413L*C001
T4.90LP With cab [ZHLH03821 -]	Europe	F5DFL413L*C001
T4.90LP Without cab [ZHLH04739 -]	Middle East Africa	F5DFL413L*C001
T4.90LP Without cab [ZHLH04739 -]	Asia Pacific	F5DFL413L*C001
T4.90LP Without cab [ZHLH04739 -]	Europe	F5DFL413L*C001

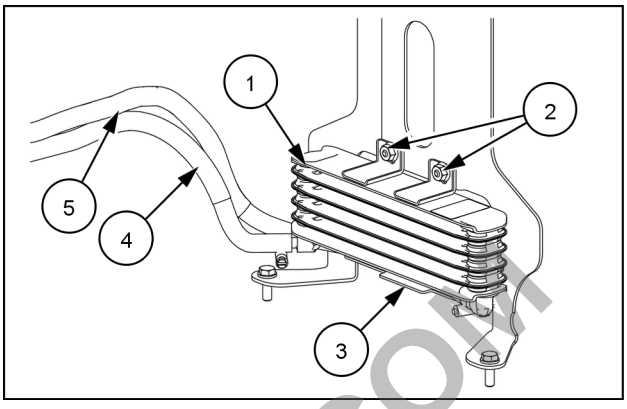
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

1. Disconnect the pipes **(4)** and **(5)** from the fuel heat exchanger **(1)**.
2. Loosen the nuts **(2)** and remove the fuel heat exchanger **(1)** from the protective bracket **(3)**.

NOTICE: *When replacing the component, only use genuine parts.*

3. Replace the old fuel heat exchanger **(1)** with a new one.
4. Fit the new heat exchanger **(1)** to the protection bracket **(3)** and fix it to the studs using two nuts **(2)**.
5. Reconnect the pipes **(4)** and **(5)** to the fuel heat exchanger **(1)**.



MOIL17TR03445AA 1

Next operation:
A. Connect the air duct from the clean air filter. See — **Air cleaner connection between filter and engine - Install (10.202)**
B. Install the battery. See — **Battery - Install (55.302)**
C. Refit the side panels. See — **Side panels - Install (90.100)**
D. Close the hood. See — **Hood - Raise (90.100)**

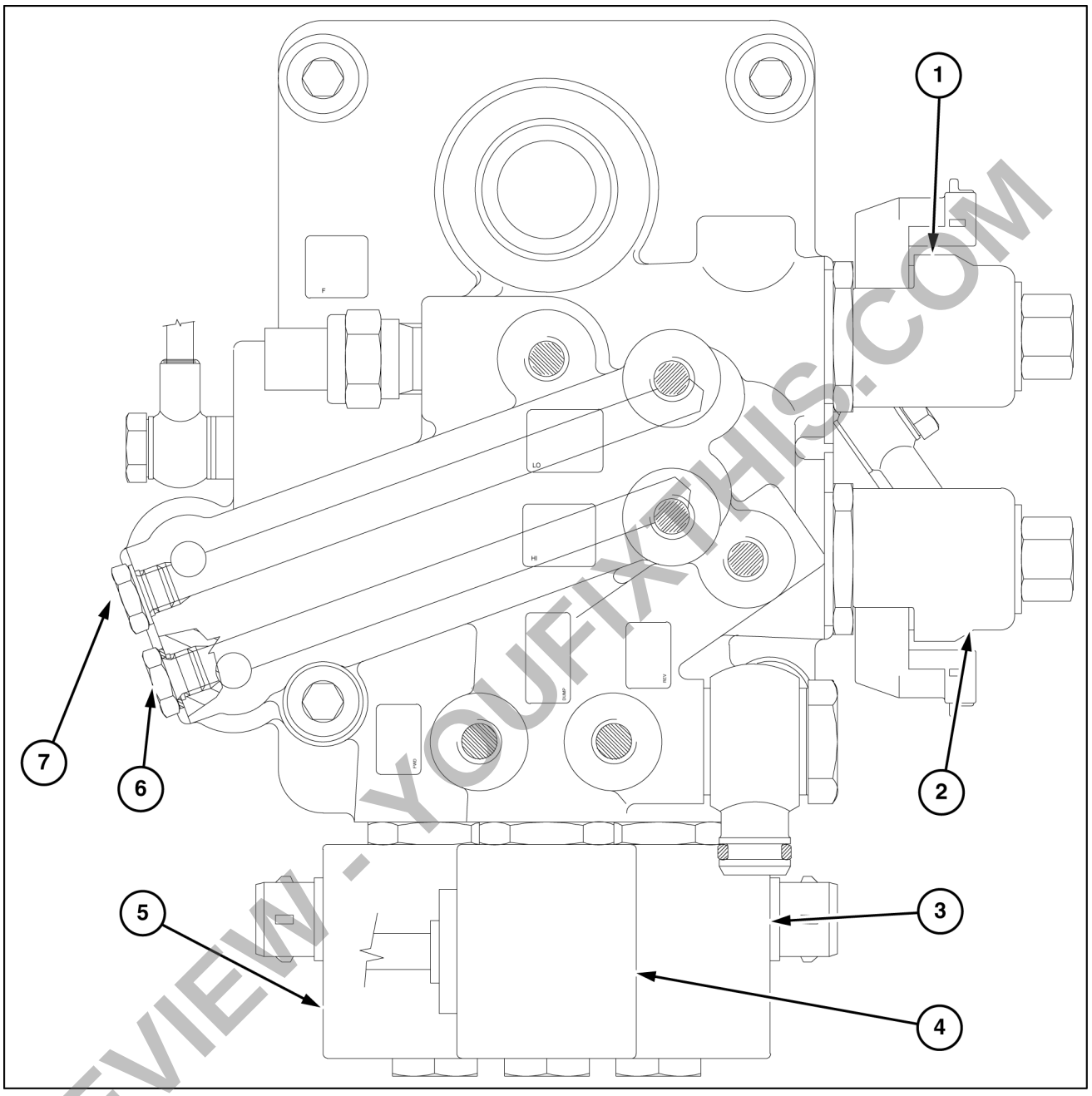
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Transmission control valve - Sectional view



MOLI11F0178GB 1

Power-Shuttle control valve

1. LOW clutch control solenoid valve
2. HIGH clutch control solenoid valve
3. Reverse speed control solenoid valve
4. Dump solenoid valve
5. Forward speed control solenoid valve
6. LO forward gears clutch working pressure control plug
7. HI forward and reverse gears clutch working pressure control plug

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

SERVICE MANUAL

Front axle system

T4.100F With cab [ZHLH01567 -], T4.100F Without cab [ZHLH01600 -], T4.100LP With cab [ZHLH04188 -], T4.100LP Without cab [ZHLH00502 -], T4.110F With cab [ZHLH00094 -], T4.110F Without cab [ZHLH01580 -], T4.110LP With cab [ZHLH01989 -], T4.110LP Without cab [ZHLH02201 -], T4.80F With cab [ZHLH01907 -], T4.80F Without cab [ZHLH01219 -], T4.80LP With cab [ZHLH04222 -], T4.80LP Without cab [ZHLH03674 -], T4.90F With cab [ZHLH01868 -], T4.90F Without cab [ZHLH01862 -], T4.90LP With cab [ZHLH03821 -], T4.90LP Without cab [ZHLH04739 -]

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Index

Rear axle system - 27

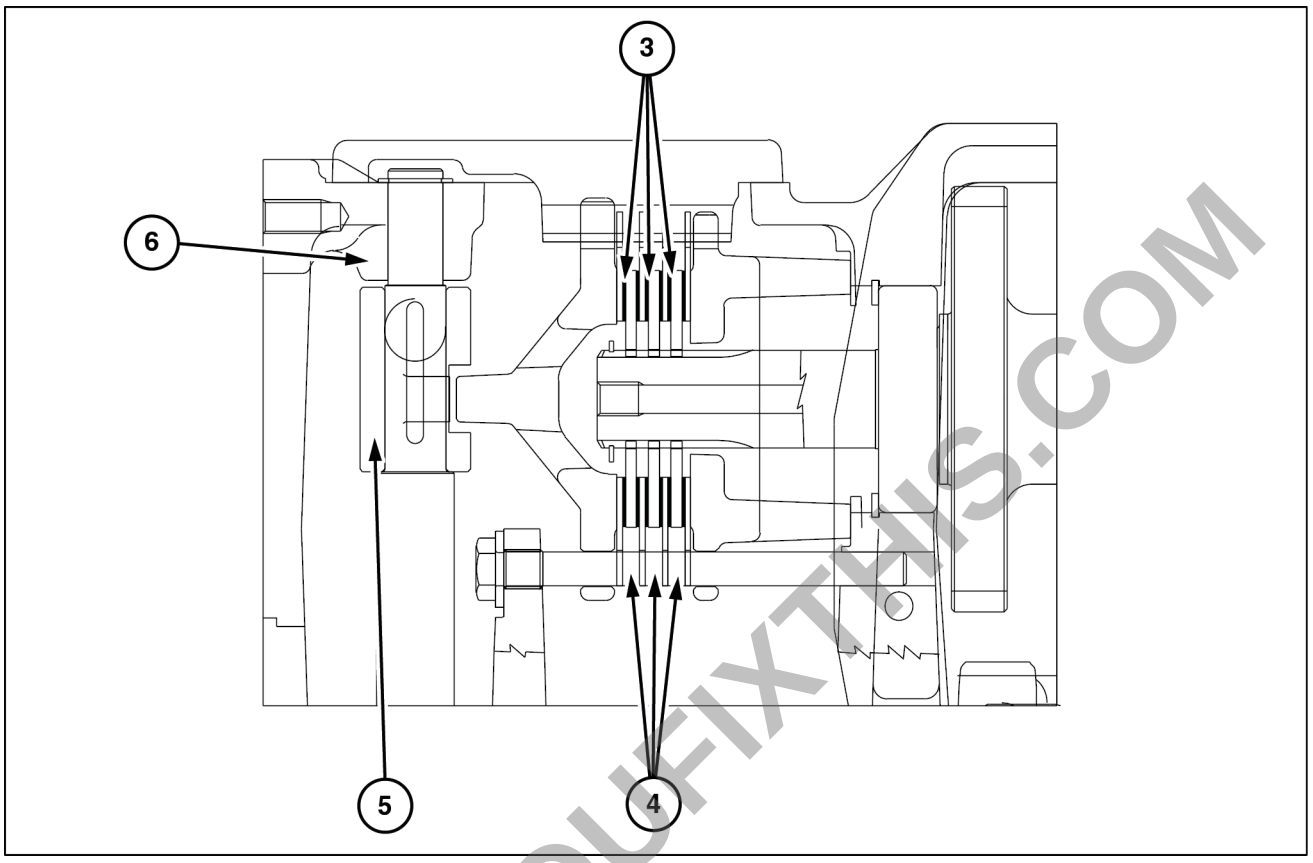
Rear bevel gear set and differential - 106

Differential - Adjust 5
Differential - General specification 3
Differential lock - Adjust 8
Differential lock - Troubleshooting 9
Differential lock hydraulic control - Dynamic description 4

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Parking brake or parking lock - Sectional view



MOLI11F0402GE 1

Service brake and parking brake sectional drawings

3. Parking brake disks
4. Braking sectors
5. Parking brake internal control lever
6. Parking brake support

NOTE: *On assembly apply a bead of sealing compound to the surfaces X as indicated on* ***Brakes - Join (33.202)****.*

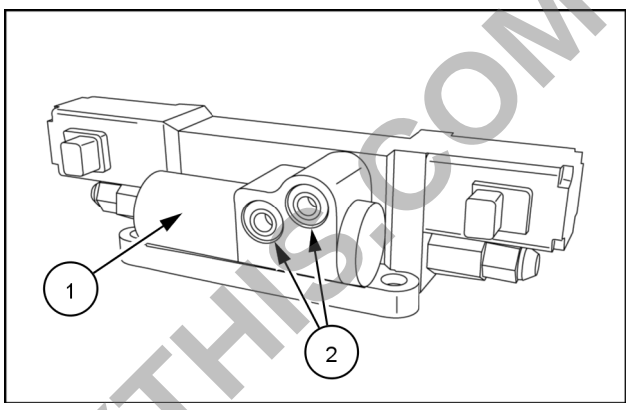
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Electro-hydraulic control valve - Install - Check valve

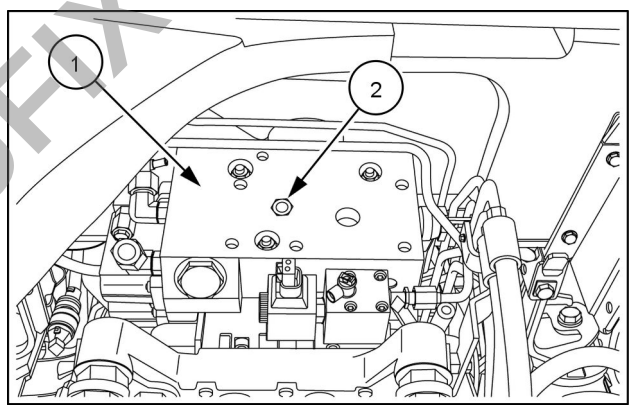
T4.100F With cab [ZHLH01567 -]	APAC --- MEA --- WE
T4.100LP With cab [ZHLH04188 -]	APAC --- MEA --- WE
T4.110F With cab [ZHLH00094 -]	APAC --- MEA --- WE
T4.110LP With cab [ZHLH01989 -]	APAC --- MEA --- WE
T4.80F With cab [ZHLH01907 -]	APAC --- MEA --- WE
T4.80LP With cab [ZHLH04222 -]	APAC --- MEA --- WE
T4.90F With cab [ZHLH01868 -]	APAC --- MEA --- WE
T4.90LP With cab [ZHLH03821 -]	APAC --- MEA --- WE

1. Recover and thoroughly clean the check valve body **(1)** of the rear control valves.
2. Replace the two seals **(2)**.



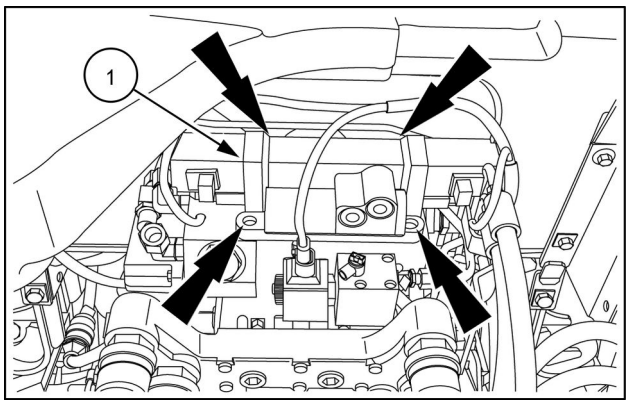
MOIL16TR03012AA 1

3. Thoroughly clean the check valve body seat **(1)** of the vehicle rear control valves.
4. Replace seal **(2)**.



MOIL16TR03013AA 2

5. Correctly position the check valve body **(1)** of the control valves in its seat.
6. Loosen the four indicated screws **(1)** that secure the check valve body to the rear control valve assembly.



MOIL16TR03011AA 3

PREVIEW - YOUFIXTHIS.COM

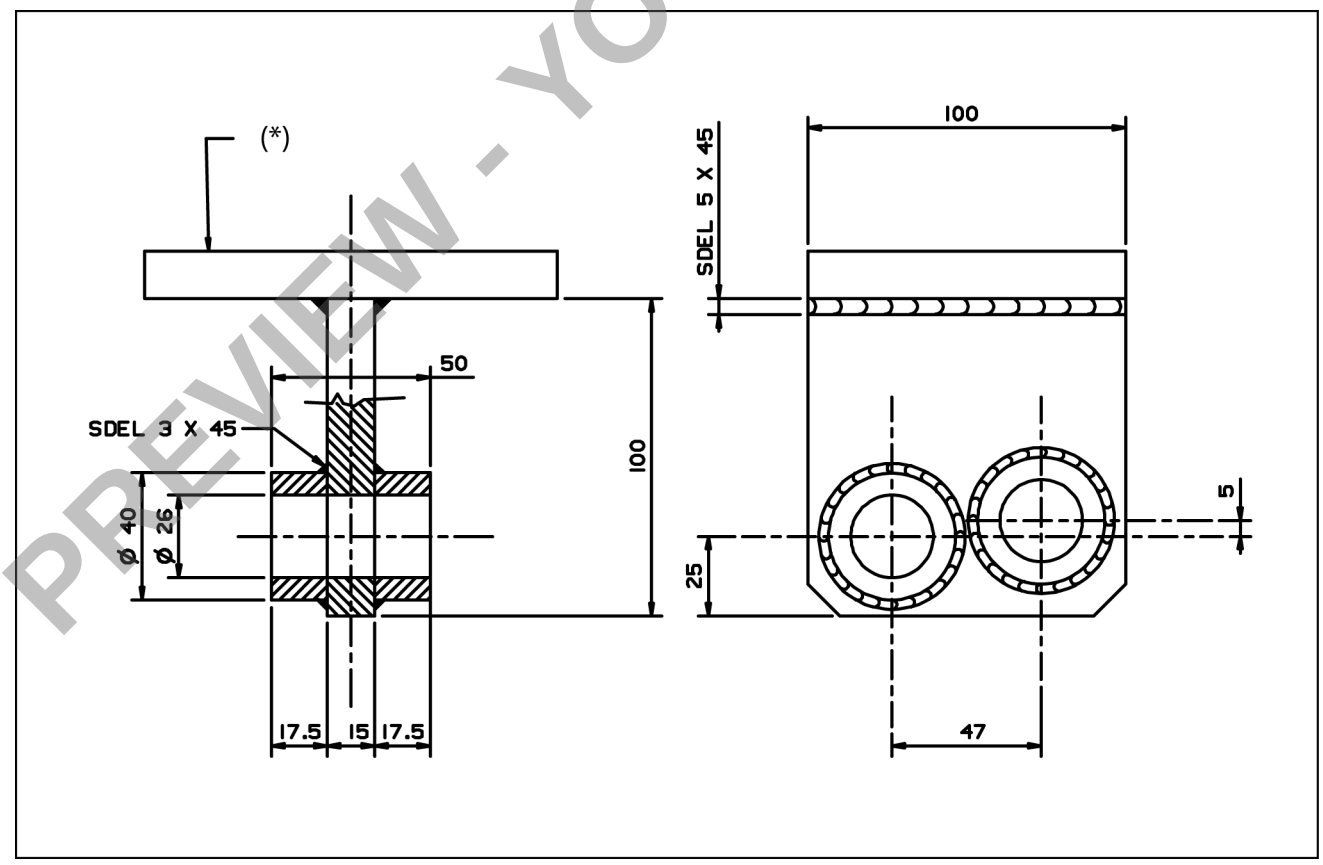
Download full manual at youfixthis.com

Rear hitch - Special tools

Hydraulic lift implements

NOTICE: *The operations described in this section can only be carried out using the ESSENTIAL implements indicated by an X.*
To work safely and efficiently and obtain the best results, it is also necessary to use the recommended specific tools listed below and certain other tools which are to be made according to the drawings included in this manual.

	380000227	Hydraulic Lift Lifting Hook
	380000301	Rotating stand for overhaul
X	**380001627**	Ring for fitting piston with lift seals
X	**380001628**	Punch for fitting lift arm shaft seal
X	**380000261**	Punch for fitting roller bearings on control valve block control lever bushing
X	380000260	Punch for fitting roller bearings on lower arm draft control
X	380000260	Punch for fitting roller bearings on lower arm draft control
X	380000260	Punch for fitting roller bearings on lower arm draft control
X	**380000230**	Wrench for cylinder safety valve setting ring nut
X	**380000231**	Ring nut wrench for lift relief valve calibration
X	**380001629**	Guard for fitting seal on arm descent speed adjustment pin
	380000240	Universal pressure checking kit
	380000215	Hand pump for valve calibration
X	**380000218**	Union for cylinder safety valve calibration
X	**380000217**	Union for lift pressure relief valve calibration
X	**380000274**	Union for checking control valve seal
X	**380000275**	Guard for pilot valve seal
X	**380001630**	Draft control setting tool
X	**380001631**	Position and draft control setting implement



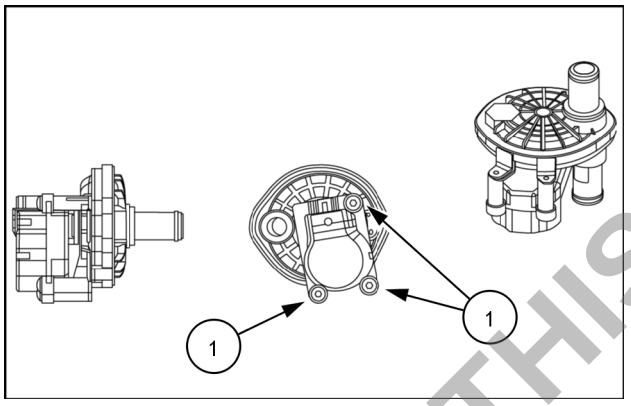
MOLI11F0437FB 1

Bracket to be made for the hook 380000224 or for revising the lift on the rotating stand
(Mark tool with No. 50155 − measurements in mm)
Make in Aq 42 material − (*) Area for fixing bore to rotating stand

Download full manual at youfixthis.com
PREVIEW - YOUFIXTHIS.COM

Heater control valve - Torque

T4.100F With cab [ZHLH01567 -]	APAC --- MEA --- WE
T4.100LP With cab [ZHLH04188 -]	APAC --- MEA --- WE
T4.110F With cab [ZHLH00094 -]	APAC --- MEA --- WE
T4.110LP With cab [ZHLH01989 -]	APAC --- MEA --- WE
T4.80F With cab [ZHLH01907 -]	APAC --- MEA --- WE
T4.80LP With cab [ZHLH04222 -]	APAC --- MEA --- WE
T4.90F With cab [ZHLH01868 -]	APAC --- MEA --- WE
T4.90LP With cab [ZHLH03821 -]	APAC --- MEA --- WE



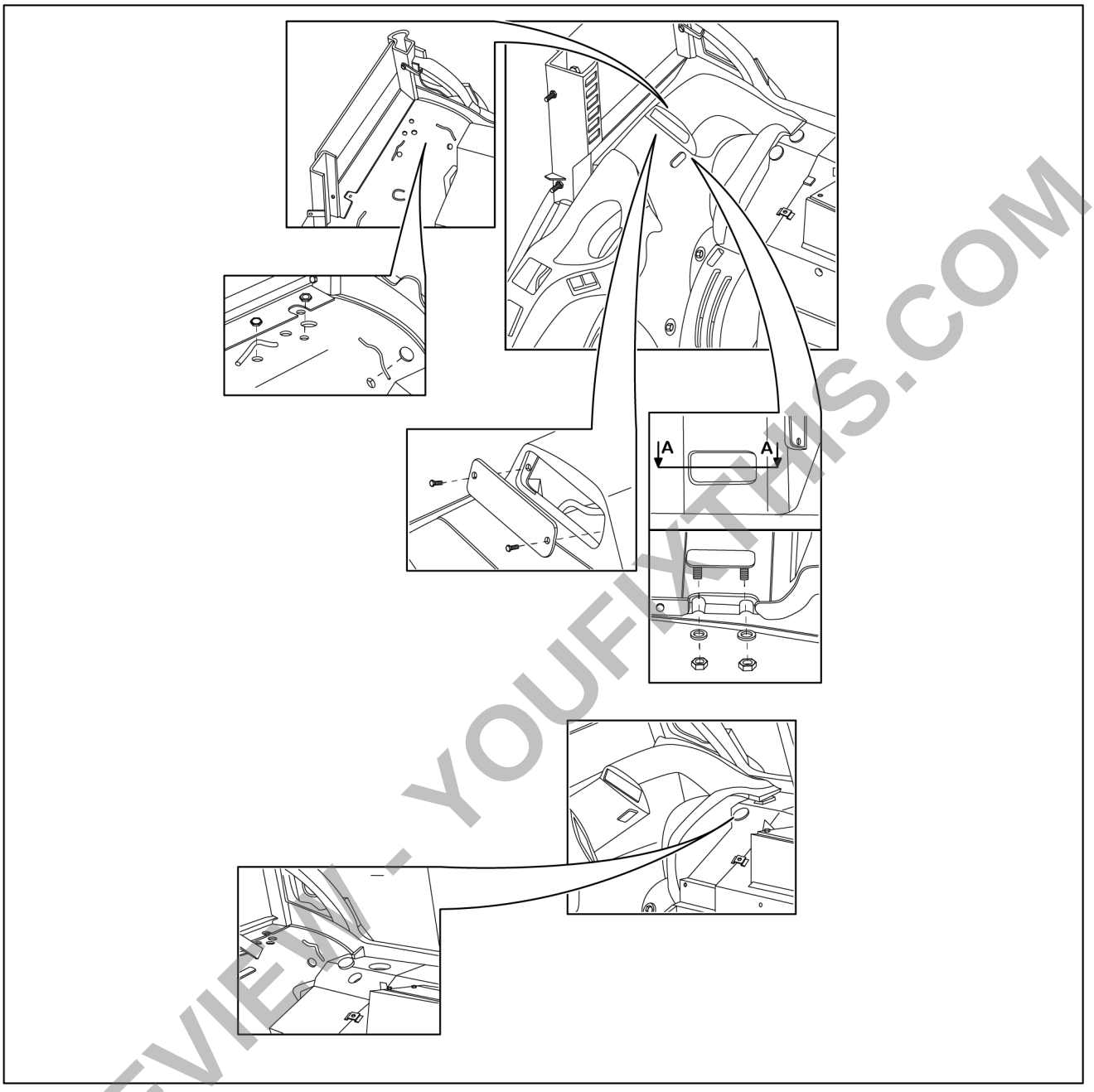
MOIL16TR01663AA 1

	Part to tighten	Metric thread	Torque rates
(1)	The actuator	Threaded screw M4 x 16	**1.2 – 1.8 N·m** (**10.6 – 15.9 lb in**)

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

If the tractor is fitted with rear mechanical lift (MDC)



MOIL17TR02067GA 4

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

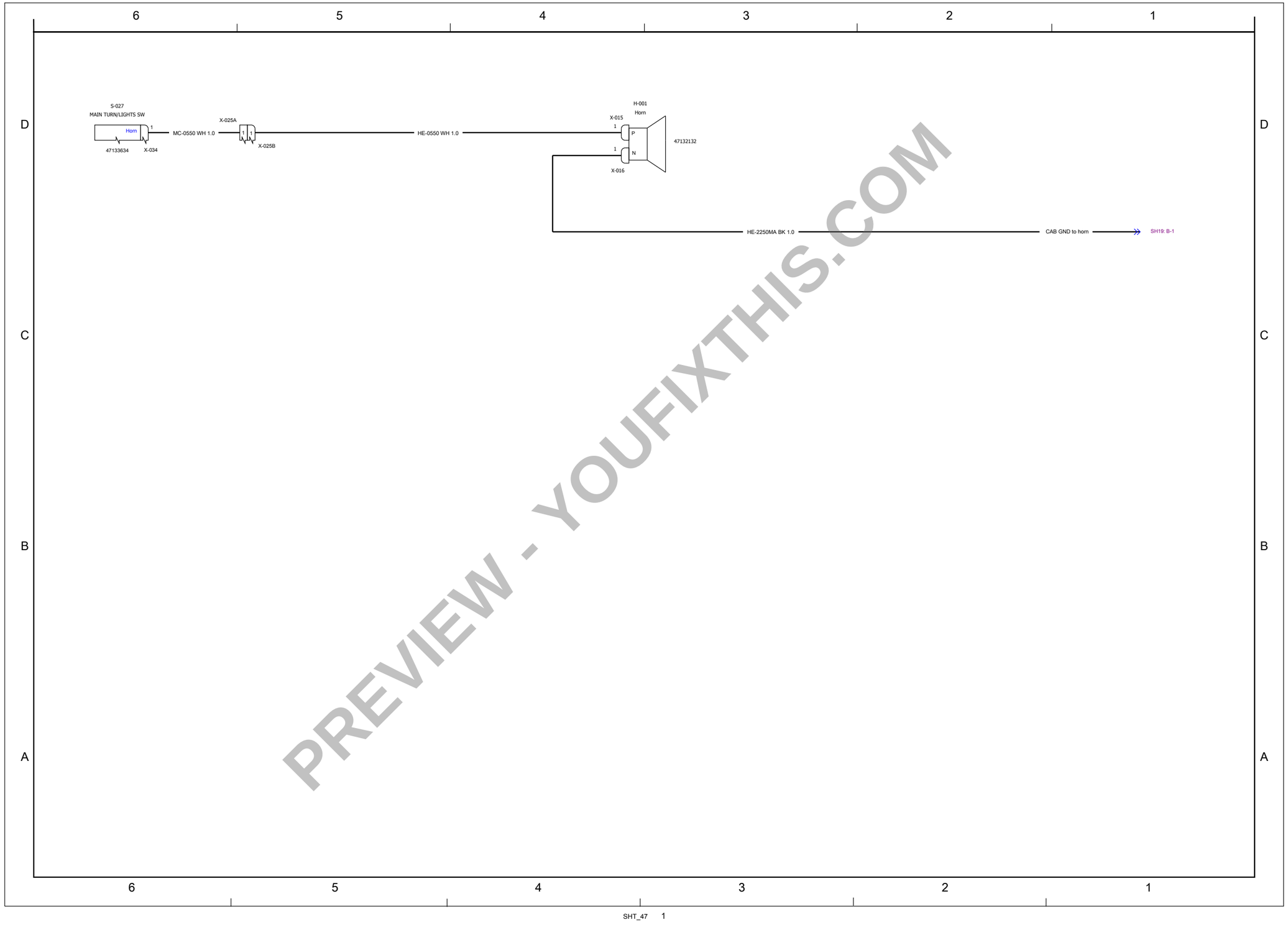
Wiring harnesses - Electrical schematic sheet 15 SH-015_POWER_DISTRIBUTION_supply_ecu 1

T4.100F With cab [ZHLH01567 -]	APAC --- MEA --- WE
T4.100LP With cab [ZHLH04188 -]	APAC --- MEA --- WE
T4.110F With cab [ZHLH00094 -]	APAC --- MEA --- WE
T4.110LP With cab [ZHLH01989 -]	APAC --- MEA --- WE
T4.80F With cab [ZHLH01907 -]	APAC --- MEA --- WE
T4.80LP With cab [ZHLH04222 -]	APAC --- MEA --- WE
T4.90F With cab [ZHLH01868 -]	APAC --- MEA --- WE
T4.90LP With cab [ZHLH03821 -]	APAC --- MEA --- WE

Type	Component	Connector / Link
ECU	**A-001** - Permanent 4WD (ECU)	**X-064** - Permanent 4WD [A-001] (82028495)
ECU	**A-002** - EDC+EHR (ECU)	**X-030** - EDC [A-002] (82028495)
ECU	**A-005** - ADIC LOW LINE (ECU)	**X-460** - ADIC LL - CN2 [A-005] (82016219)
Connector		**X-030** - EDC [A-002] (82028495)
Connector		**X-040A** - Cab-transmission EDC harness (87543125)
Connector		**X-040B** - Transmission-cab EDC harness (87543124)
Connector		**X-040C** - Cab-transmission EHR harness (84414690)
Connector		**X-040D** - Transmission-cab EHR harness (84414696)
Connector		**X-041A** - Cab-EDC harness (87543125)
Connector		**X-041B** - EDC-cab harness (87543124)
Connector		**X-042A** - EHR 80lt console conn.1 (87694699)
Connector		**X-042B** - EHR 80lt console conn.1 (87694703)
Connector		**X-044A** - EHR 80lt console conn.2 (87694698)
Connector		**X-044B** - EHR 80lt console conn.2 (87694700)
Connector		**X-064** - Permanent 4WD [A-001] (82028495)
Connector		**X-210** - EHR (82028493)
Connector		**X-460** - ADIC LL - CN2 [A-005] (82016219)

PREVIEW - YOURFIXTHIS.COM

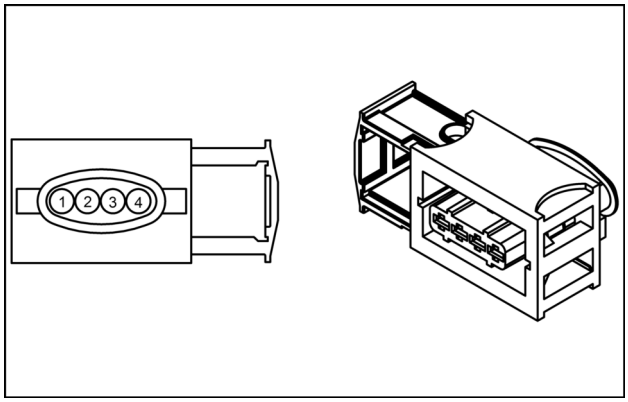
Download full manual at yourfixthis.com



PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

X-362 - Engine Fuel Heater [R-006] (84546837) (Receptacle)

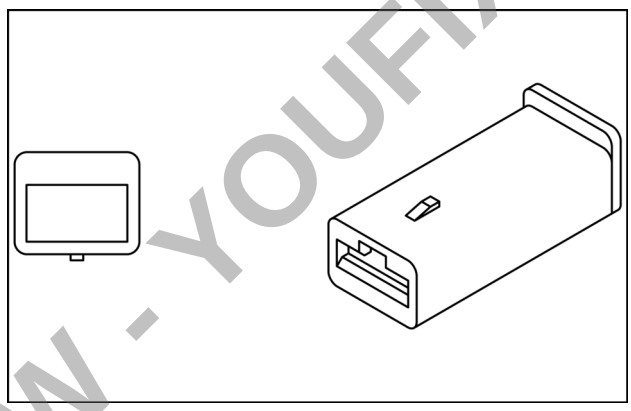


84546837 3

84546837

Pin	From	Wire	Description	Color-Size	Frame
1			Not Used		
2			Not Used		
3	EN1-SP-2261-P-X	EN1-2250W	Fuel Heater GND	BK - 2.5	**SHEET 24 SH-024_ENGINE 3_F5C_T4a**
4	**X-001B (Plug) pin A1** - Engine-cab inline (47495505)	EN1-0200C	Fuel Heater	WH - 2.5	**SHEET 24 SH-024_ENGINE 3_F5C_T4a**

X-363 - IT Hyd trailer brake sol 1 [Y-017] (87680382) (Receptacle)

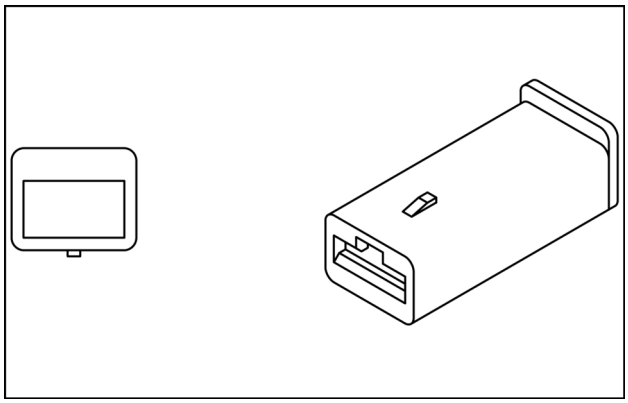


87680382 4

87680382

Pin	From	Wire	Description	Color-Size	Frame
1	TRB-SP-0606-P-X	TRB-0606A	IT HYD trailer brake sol pos	WH - 1.0	**SHEET 39 SH-039_TRAILER_italian_hydraulic_brake**

X-364 - IT Hyd trailer brake [Y-018] (87680382) (Receptacle)



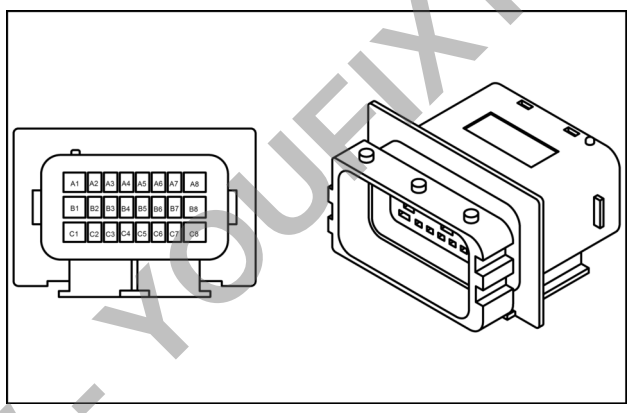
87680382 5

87680382

Download full manual at youfixthis.com
PREVIEW - YOUFIXTHIS.COM

Pin	From	Wire	Description	Color-Size	Frame
C1	**X-064 (Receptacle) pin 5** - Permanent 4WD [A-001] (82028495)	MC-0708	4wd solenoid signal	YE - 1.0	**SHEET 27 SH-027_TRANSMISSION_4WD_permanent**
C2	**X-450 (Receptacle) pin 16** - ADIC LOW LINE CN1 (82028493)	MC-1056	Rear POWER TAKE-OFF (PTO) engaged	YE - 0.75	**SHEET 30 SH-030_PTO_front_rear_safety**
C3	**X-450 (Receptacle) pin 15** - ADIC LOW LINE CN1 (82028493)	MC-0701	Diff lock sw signal	YE - 1.0	**SHEET 29 SH-029_TRANSMISSION_diff lock_brakes_park lock**
C4	MC-SP-5101-P-X	MC-5101A	12 V from F-011	OR - 1.0	**SHEET 08 SH-008_POWER_DISTRIBUTION_transmission**
C5	**X-064 (Receptacle) pin 9** - Permanent 4WD [A-001] (82028495)	MC-0723	Steering sw signal	YE - 1.0	**SHEET 27 SH-027_TRANSMISSION_4WD_permanent**
C6	**X-028A (Receptacle) pin 3** - Power shuttle cab-inline (82010803)	MC-1061	Cranking line	YE - 1.0	**SHEET 30 SH-030_PTO_front_rear_safety**
C7	**X-450 (Receptacle) pin 10** - ADIC LOW LINE CN1 (82028493)	MC-0723Z	Steering switch signal 4WD elhyd	YE - 0.75	**SHEET 27 SH-027_TRANSMISSION_4WD_permanent**
C8	**X-460 (Receptacle) pin 16** - ADIC LL - CN2 [A-005] (82016219)	MC-1101	Power off signal	YE - 0.75	**SHEET 26 SH-026_TRANSMISSION_CONTROL_sensors_actuators_PS**

X-300B - Trasnmissison-cab inline (87714265) (Plug)



87714265 2

87714265

Pin	From	Wire	Description	Color-Size	Frame
A1	**X-342 (Receptacle) pin 1** - 4WD solenoid [Y-010] (87736475)	TR-0702	4WD solenoid	WH - 1.0	**SHEET 27 SH-027_TRANSMISSION_4WD_permanent**
A2	TR-SP-5100A-P-X	TR-5100A	12 V from F-016 to Pw OFF-rear PTO-DL lamp-Wh speed	OR - 1.0	**SHEET 08 SH-008_POWER_DISTRIBUTION_transmission**
A3	**X-125 (Receptacle) pin 1** - Reverse sw [S-004] (82012083)	TR-0709	Reverse lever sw signal	YE - 1.0	**SHEET 27 SH-027_TRANSMISSION_4WD_permanent**
A4	**X-128 (Receptacle) pin 2** - Rear axle speed sensor [B-004] (84062580)	TR-0719	Rear axle speed sensor signal	YE - 1.0	**SHEET 27 SH-027_TRANSMISSION_4WD_permanent**
A5	**X-125 (Receptacle) pin 2** - Reverse sw [S-004] (82012083)	TR-2255	Cab frame GND to reverse sw	BK - 1.0	**SHEET 27 SH-027_TRANSMISSION_4WD_permanent**
A6	**X-354 (Receptacle) pin 2** - Fuel level sender [B-010] (82012083)	TR-0264	Fuel level signal	YE - 1.0	**SHEET 24 SH-024_ENGINE 3_F5C_T4a**
A7	**X-341 (Receptacle) pin 2** - PTO rear speed sensor [B-006] (84806091)	TR-1059	Rear POWER TAKE-OFF (PTO) rpm signal	YE - 1.0	**SHEET 30 SH-030_PTO_front_rear_safety**
A8	**X-127A (Receptacle) pin 2** - Neutral gear sw connection (82012083)	TR-1803	12V from F-026 CRANKING to clutch pedal sw	YE - 1.0	**SHEET 07 SH-007_POWER_DISTRIBUTION_MAIN_ignition_key**
B2	**X-227A (Plug) pin 1** - Hydraulic diverter connection (84136440)	TR-0852	3rd distributor solenoid	WH - 1.0	**SHEET 32 SH-032_HYDRAULIC_diverters**

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Alternator - General specification

Type	Iskra AAK4860
Polarity	Negative earth
Nominal voltage	**14 V**
Maximum Speed	**12000 RPM**
Maximum output	**120 A**
Energizing circuit resistance	**2.75 Ω**

Alternator - Torque

Alternator fastening bolts	**5.5 N·m** (**48.68 lb in**)
Pulley retaining nut	**70 N·m** (**619.55 lb in**)
Rectifier attaching screws	**4.0 N·m** (**35.40 lb in**)
Brush box and regulator screws	**2.7 N·m** (**23.90 lb in**)
Terminal nuts	**2.7 N·m** (**23.90 lb in**)

Alternator - Special tools

380001268: Belt tension meter.

PREVIEW - YOUFIXTHIS.COM

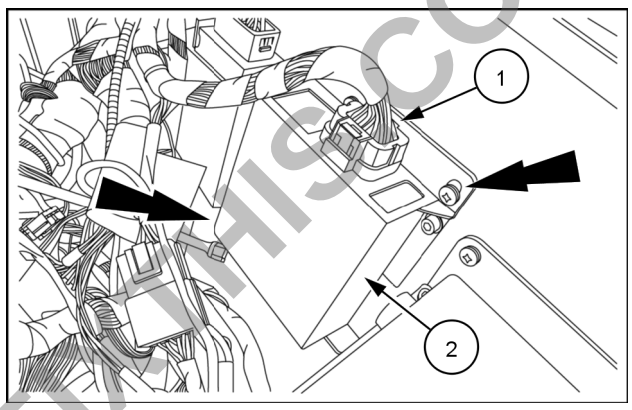
Download full manual at youfixthis.com

Transmission electronic control module - Remove

T4.100F With cab [ZHLH01567 -]	APAC --- MEA --- WE
T4.100LP With cab [ZHLH04188 -]	APAC --- MEA --- WE
T4.110F With cab [ZHLH00094 -]	APAC --- MEA --- WE
T4.110LP With cab [ZHLH01989 -]	APAC --- MEA --- WE
T4.80F With cab [ZHLH01907 -]	APAC --- MEA --- WE
T4.80LP With cab [ZHLH04222 -]	APAC --- MEA --- WE
T4.90F With cab [ZHLH01868 -]	APAC --- MEA --- WE
T4.90LP With cab [ZHLH03821 -]	APAC --- MEA --- WE

Prior operation:
A. Disconnect the instrument cluster panel – See **Instrument dash panel - Remove (90.151)**.

1. Remove the electrical cables to create the suitable operating space.
2. Disconnect the electrical connector **(1)**.
3. Loosen the two screws indicated.
4. Remove the control unit **(2)** from its seat and store it in a suitable place.



MOIL16TR02359AA 1

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Install (*) . . . 34
Replace (*) . . . 35
Automated recirculation control module
Remove (*) . . . 36
Install (*) . . . 37
Replace (*) . . . 39
Automated recirculation control panel
Remove (*) . . . 40
Install (*) . . . 41
Replace (*) . . . 42
Air-conditioning anti-freeze module
Remove (*) . . . 43
Install (*) . . . 44
Replace (*) . . . 46
Air-conditioning condenser fan
Remove (*) . . . 47
Install (*) . . . 50
Replace (*) . . . 53
Pressurizer system shutter motor
Remove - Category 4 cab (*) . . . 54
Install - Category 4 Cab (*) . . . 55
Replace - Category 4 Cab (*) . . . 57
Program - Category 4 Cab (*) . . . 58
Cab pressurizer system sensor
Replace - Category 4 cab (*) . . . 59
Calibrate - Category 4 cab (*) . . . 60
Recirculation or pressurizer system flow meter
Remove - Category 4 Cab (*) . . . 61
Install - Category 4 Cab (*) . . . 62
Replace - Category 4 Cab (*) . . . 63

PREVIEW - YOUFIXTHIS.COM

(*) See content for specific models

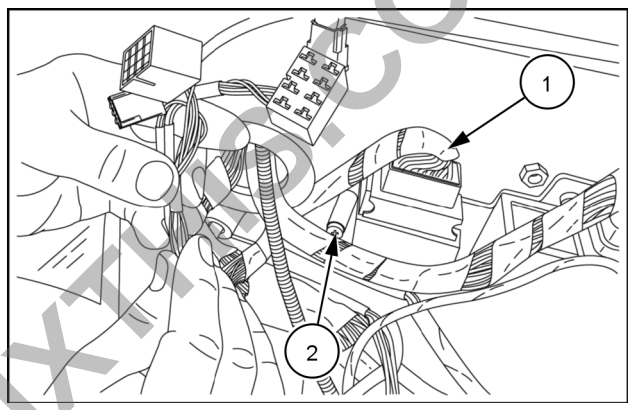
Download full manual at youfixthis.com

Flasher unit - Remove

T4.100F With cab [ZHLH01567 -]	APAC --- MEA --- WE
T4.100LP With cab [ZHLH04188 -]	APAC --- MEA --- WE
T4.110F With cab [ZHLH00094 -]	APAC --- MEA --- WE
T4.110LP With cab [ZHLH01989 -]	APAC --- MEA --- WE
T4.80F With cab [ZHLH01907 -]	APAC --- MEA --- WE
T4.80LP With cab [ZHLH04222 -]	APAC --- MEA --- WE
T4.90F With cab [ZHLH01868 -]	APAC --- MEA --- WE
T4.90LP With cab [ZHLH03821 -]	APAC --- MEA --- WE

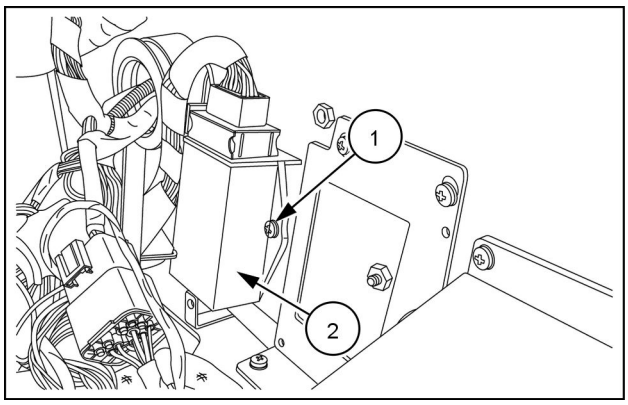
Prior operation:
A. Disconnect the instrument cluster panel – See **Instrument dash panel - Remove (90.151)**.

1. Remove the electrical cables to create the suitable operating space.
2. Disconnect the electrical connector **(1)**.
3. Loosen the screw indicated **(2)**.



MOIL16TR02354AA 1

4. Loosen the screw indicated **(1)**.
5. Remove the flasher unit **(2)** from its seat and store it in a suitable place.



MOIL16TR02355AA 2

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

1040 - Lift not calibrated

T4.100F With cab [ZHLH01567 -]	APAC --- MEA --- WE
T4.100LP With cab [ZHLH04188 -]	APAC --- MEA --- WE
T4.110F With cab [ZHLH00094 -]	APAC --- MEA --- WE
T4.110LP With cab [ZHLH01989 -]	APAC --- MEA --- WE
T4.80F With cab [ZHLH01907 -]	APAC --- MEA --- WE
T4.80LP With cab [ZHLH04222 -]	APAC --- MEA --- WE
T4.90F With cab [ZHLH01868 -]	APAC --- MEA --- WE
T4.90LP With cab [ZHLH03821 -]	APAC --- MEA --- WE

Control Module: EDC / EDC+EHR

Context:
The lift is not disabled.

Possible failure modes:

1. Replace arm lift potentiometer
2. Replace the controller
3. After deleting the memory in H8

Solution:

1. When the cause of the fault code has been rectified, clear the fault code and test the system for normal operation. Check whether the lift has been calibrated.

   A. If the lift has not been calibrated after replacing the controller or after using H8 menu mode (deleting EEPROM memory) run the calibration procedure in H1 mode.

   B. If the transmission has been calibrated, download the correct level of the software and run the calibration procedure again. If the error is repeated, remove and replace the controller.

   NOTE: *For a description of the HH menus, refer to* ***Electronic module - View HH MENU ACCESS (55.640)****.*

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

3112 - Rail pressure sensor CP3 - signal above range maximum

Control Module: ECU

Context:
The engine control unit (ECU) has detected that the fuel pressure sensor signal is too high. The test frequency of the sensor is every **10 ms** and if the signal is above **4.86 V** for over **200 ms**, the error is set. Once the error is set, the ECU will, instead of using the peak rail pressure value of the last **10 ms** and the current rail pressure, output a substitute value taken from a curve (MAP) in accordance with the engine speed and the quantity of fuel injected.

Cause:
The rail pressure sensor signal **B-103** is too high.

Possible failure modes:

1. Faulty pressure sensor "defective", injector.
2. Faulty circuit wiring, shorted to high source.
3. Faulty engine control unit (ECU).

Solution:

1. Disconnect the **X-939** connector and turn the starter key switch to ON. Using a multimeter, check the voltage on the **X-939** connector of the ECU from pin 11 to pin 26. The resistance must be approximately **5 V**.

   A. If there is **5 V**,reconnect the **X-939** engine connector and continue to step **2**

   B. If the voltage exceeds **5 V**, there is an internal fault in the ECU, replace the ECU, as required.
2. Disconnect the "defective" injector pressure sensor **B-103** and turn the ignition key switch to ON. Using a multimeter, check the voltage on the "defective" pressure sensor **B-103** connector from the PWR terminal to the GND terminal. The resistance must be approximately **5 V**.

   A. If there is **5 V**,leave the Rail pressure sensor connector disconnected and continue with step **3**

   B. If the voltage is greater than **5 V**, there is a short circuit to a high voltage source in the sensor circuit, leave the rail pressure sensor terminals **B-103** disconnected and continue to step **4**
3. Disconnect the connector **X-939**. Using a multimeter, check the voltage between pin 41 of the **X-939** connector of the ECU and ground and also between the OUT terminal of the sensor **B-103** and ground. There should be no voltage.

   A. If there is voltage, on either or both connections, there is a short to high voltage in the sensor signal, repair or replace as required.

   B. If there is no voltage, either the sensor or the ECU is faulty. Replace the pressure sensor and if the fault recurs, reinstall the ECU software. If the fault recurs after replacing the sensor and reinstalling the software, replace the engine control unit (ECU).
4. Disconnect the connector **X-939**. Using a multimeter, check the voltage between pin 11of the **X-939** connector of the ECU and ground and also between the PWR terminal of the sensor **B-103** and ground. There should be no voltage.

   A. If there is voltage, on either or both tests, there is a short to high source in the sensor source wire. repair or replace as required.

   B. Power Take Off (PTO) speed selection lever. repair or replace as required.

Wiring harnesses - Electrical schematic sheet 23 (55.100)

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

3675 - Long time EGR valve drift at closed position

Control Module: ECU

Context:
The EGR valve actuator is monitored to check for long time drift by comparing the first and last voltage compensation acquired. The absolute value of the difference of the learned voltage values in the closed position and the first learned voltage value is above **200 mV**.

Cause:
The EGR valve actuator is drifted or the fully closed position cannot be reached (blocked or sooted actuator).

Possible failure modes:

1. The EGR valve actuator is drifted or the fully closed position cannot be reached (blocked or sooted actuator).

Solution:

1. Verify the fault code is still present and in an active state.
   A. If the fault is no longer active or present, return the machine to service.
   B. If the error is still present and active, Temporarily replace the EGR valve assembly and retest. Return to Step **1** to confirm the elimination of the fault.

Wiring harnesses - Electrical schematic sheet 23 (55.100)

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

4111 - Rear remote no.1 – potentiometer faulty

T4.100F With cab [ZHLH01567 -]	APAC --- MEA --- WE
T4.100LP With cab [ZHLH04188 -]	APAC --- MEA --- WE
T4.110F With cab [ZHLH00094 -]	APAC --- MEA --- WE
T4.110LP With cab [ZHLH01989 -]	APAC --- MEA --- WE
T4.80F With cab [ZHLH01907 -]	APAC --- MEA --- WE
T4.80LP With cab [ZHLH04222 -]	APAC --- MEA --- WE
T4.90F With cab [ZHLH01868 -]	APAC --- MEA --- WE
T4.90LP With cab [ZHLH03821 -]	APAC --- MEA --- WE

Control Module: REHR

Context:
The position sensor wiring of the EHR 1 valve (**A-013**, **A-014**, **A-012** depending on the programming) is faulty. The lift does not work.

Cause:
Faulty wiring
Faulty sensor
Faulty control unit.

Solution:

1. Turn the ignition switch to off.
   Check that the fuse **F-044** is not damamged.

   A. If the fuse is damaged,replace the fuse(s).

   B. If the fuse is OK,go to **2**.
2. Disconnect the connection related to the solenoid valve involved (**A-013**, **A-014**, **A-012** depending on the programming). Check that the wiring between the control unit and the solenoid valve is intact and properly connected. Check that the pins of the connectors are not oxidized. Check that the pins are properly connected to the connector.

   A. If the valve 1 is **A-013**,Disconnect the supply connector **X-040** and the connector **X-396** of the valve **A-013**. Check for non continuity between the pins:
   X-040 pin 9 and **X-040** pin 10
   X-396 pin 1 and **X-396** pin 4.

   B. If the valve 1 is **A-014**,Disconnect the supply connector **X-040** and the connector **X-397** of the valve **A-014**. Check for non continuity between the pins:
   X-040 pin 9 and **X-040** pin 10
   X-397 pin 1 and **X-397** pin 4.

   C. If the valve 1 is **A-012**,Disconnect the supply connector **X-040** and the connector **X-443** of the valve **A-012**. Check for non continuity between the pins:
   X-040 pin 9 and **X-443** pin 1
   X-040 pin 10 and **X-443** pin 4.

   D. If there is no continuity,repair or replace the wiring as necessary.

   E. If there is correct continuity,go to .**3**.
3. Check that the valve is correctly powered at 12V and that it is not damaged.

   A. If the valve is damaged,replace the disengagement solenoid valve.

Wiring harnesses - Electrical schematic sheet 12 (55.100)
Wiring harnesses - Electrical schematic sheet 34 (55.100)
Wiring harnesses - Electrical schematic sheet 58 (55.100)

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

X-064 pin 1 and **X-035** pin 3
If an open circuit is indicated, repair or replace the wiring harness as necessary.

B. If the wiring harness is okay and the error is repeated, replace the sensor. If the error is repeated, download the latest software release, if this is not enough then remove and replace the control unit.

Wiring harnesses - Electrical schematic sheet 27 (55.100)
Wiring harnesses - Electrical schematic sheet 21 (55.100)

PREVIEW - YOUFIXTHIS.COM

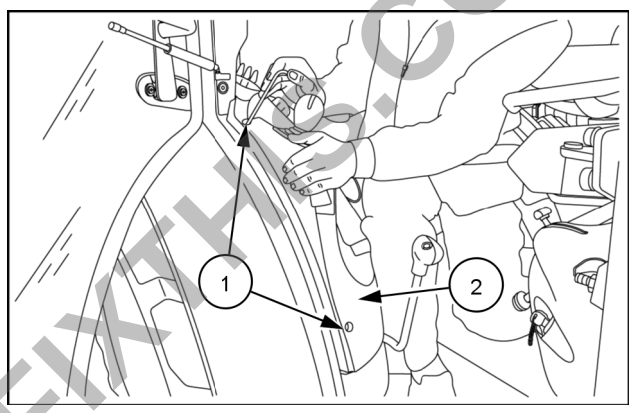
Download full manual at youfixthis.com

Cab right-hand side panel - Remove

T4.100F With cab [ZHLH01567 -]	APAC --- MEA --- WE
T4.100LP With cab [ZHLH04188 -]	APAC --- MEA --- WE
T4.110F With cab [ZHLH00094 -]	APAC --- MEA --- WE
T4.110LP With cab [ZHLH01989 -]	APAC --- MEA --- WE
T4.80F With cab [ZHLH01907 -]	APAC --- MEA --- WE
T4.80LP With cab [ZHLH04222 -]	APAC --- MEA --- WE
T4.90F With cab [ZHLH01868 -]	APAC --- MEA --- WE
T4.90LP With cab [ZHLH03821 -]	APAC --- MEA --- WE

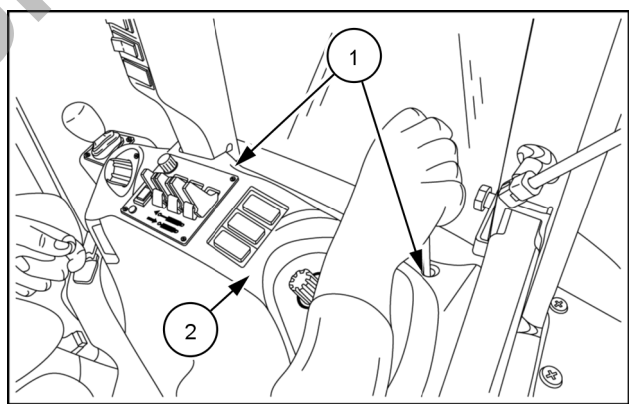
Prior operation:
A. Disconnect the negative battery cable from the battery - See **Battery cable - Disconnect (55.302)**.
B. Detach the inner rear panel of the cab - See **Cab rear panel - Remove (90.160)**.

1. Loosen the retaining screws **(1)** on the front part of the panel **(2)** on the right-hand side of the cab.



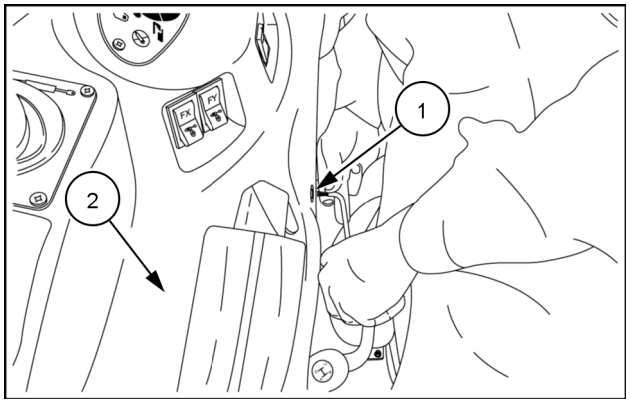
MOIL16TR03322AA 1

2. Loosen the two retaining screws **(1)** on the central part of the panel **(2)**.



MOIL16TR03323AA 2

3. Loosen the screw **(1)** securing the rear part of the panel **(2)**.



MOIL16TR03324AA 3

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 25 of 3575 pages

The full manual includes:

- All 3575 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

New Holland T4.80F, T4.90F, T4.100F, T4.110F, T4.80LP, T4.90LP, T4.100LP, T4.110LP Service Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual