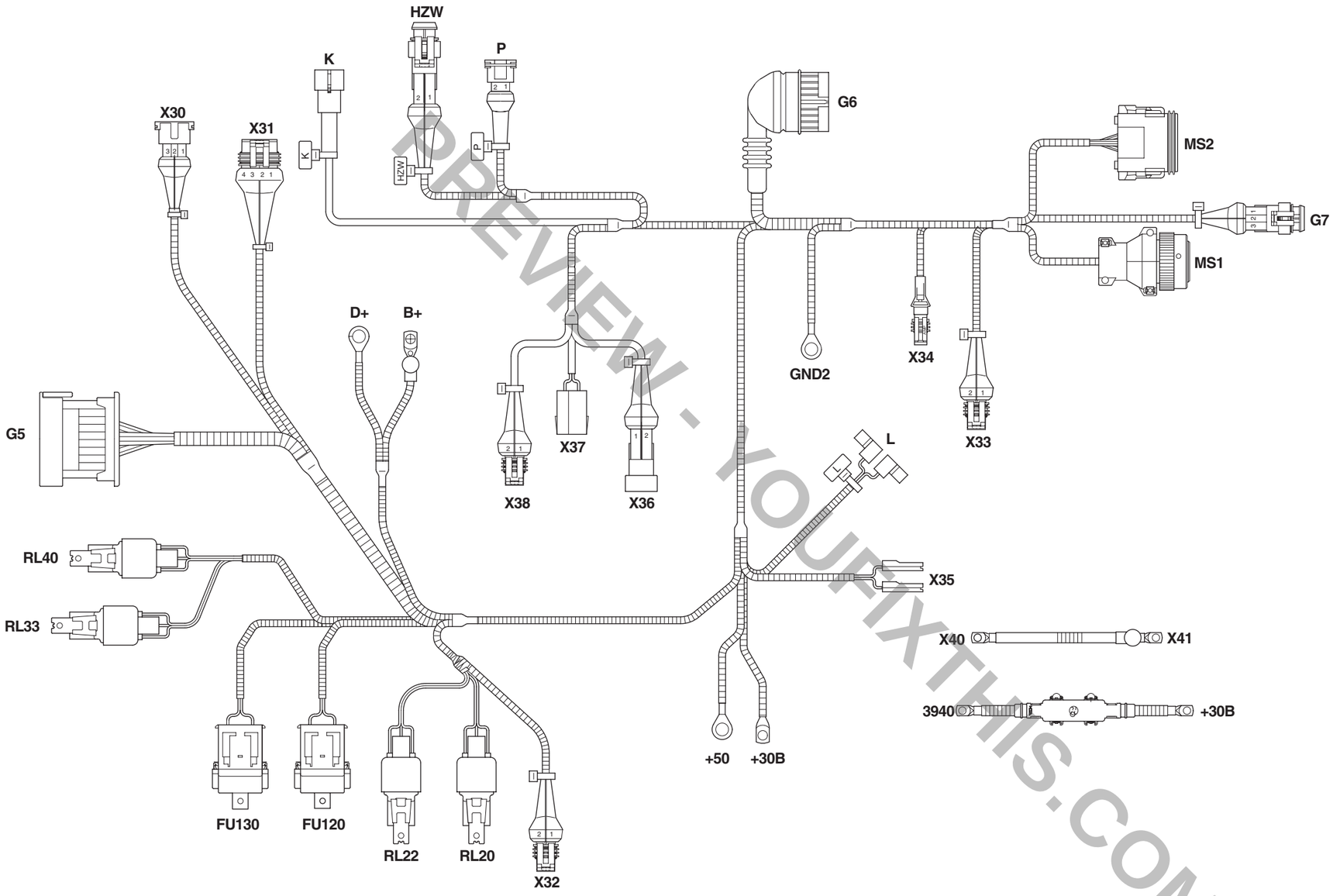
ENGINE WIRING (1/2)



+30B Starter motor
+50 Starter motor
B+ Alternator
D+ Alternator
FU120 Front worklights fuse
FU130 Auxiliary air conditioning fan fuse
G5 To engine hood wiring
G6 To engine wiring
G7 Front axle suspension wiring
HZW Front PTO solenoid valve
K Air conditioning compressor
L Air cleaner clogged sensor
MS1 To side console wiring
MS2 To front console wiring
P Engine oil pressure switch
RL20 Front outer work lights relay
RL22 Front intermediate and centre worklights relay
RL33 Auxiliary air conditioning fan switch relay
RL40 Engine starter relay
X30 Front axle suspension position sensor
X31 Steering angle sensor
X32 Preheating glow plugs relay
X33 Start enable switch
X34 Steering system pressure switch
X35 Brake fluid level sensor
X36 Compressor and condenser fan pressure switch
X37 Auxiliary air conditioning fan
X38 Compressor and condenser fan pressure switch
X39 Preheating glow plugs relay
X40 Preheating glow plugs relay
X41 Preheating device

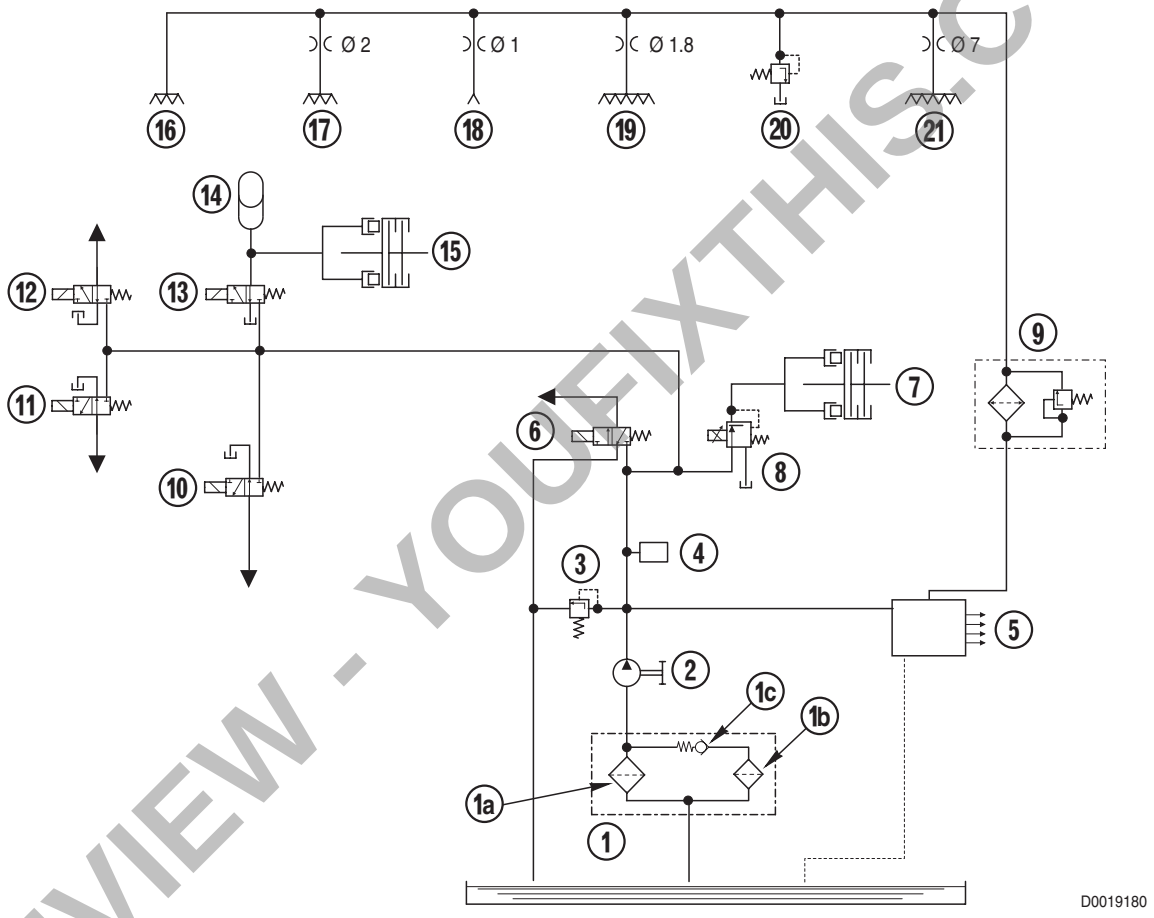
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

1.2.3 TRANSMISSION HYDRAULIC SYSTEM

The transmission hydraulic system is supplied by a gear pump driven by the lateral power take-off.
The gear pump supplies pressurised fluid to the following components:

- hydraulic gearbox control valve (5)
- PTO 1000 control solenoid valve (11)
- proportional solenoid control valve for main clutch (7)
- 4WD control solenoid valve (6)
- PTO 750 control solenoid valve (12)
- differential lock control solenoid valve (10)
- lubrication of the mechanical gearbox (20), rear differential bearings (17), brakes (18), bevel gear pair (16) and rear PTO (15).



1. Suction line filter
   1a. Filter (15 µm)
   1b. Filter (20 µm)
   1c. By-pass valve (opening pressure 0.25 bar)
2. Gear pump (40 cc/rev at 19.8 bar)
3. Cold starting safety valve (27±3 bar)
4. Temperature sensor
5. Gearbox control distribution valve
6. 4WD control solenoid valve
7. Main clutch control proportional solenoid valve
8. Main clutch
9. Transmission oil cooler
10. Solenoid valve for front and rear differential lock control
11. 1000 rpm PTO solenoid control valve
12. 750 rpm PTO solenoid control valve
13. Rear PTO control solenoid valve
14. Accumulator (0.16 ℓ)
15. Rear PTO clutch
16. Rear PTO lubrication
17. Bevel gear pair lubrication
18. Rear differential bearings lubrication
19. Brake lubrication
20. Lubrication circuit pressure relief valve (3.8±0.5 bar)
21. Mechanical gearbox lubrication

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

REMOVAL OF THE ENGINE HOOD AND SIDE PANELS

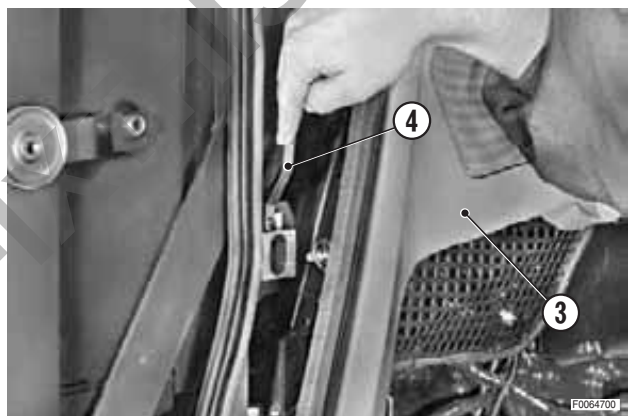
⚠ Remove the key from the starter switch and apply the parking brake

1 - Press release button (1) and raise the hood (2).

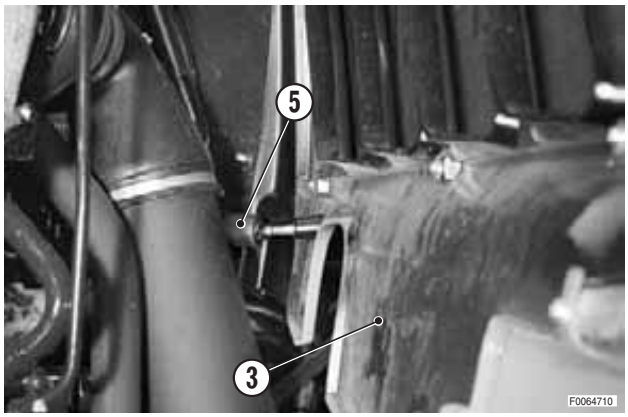


1. Removal of the side panels

1 - Detach the front of the side panel (3) by pushing lever (4) towards the rear of the tractor.

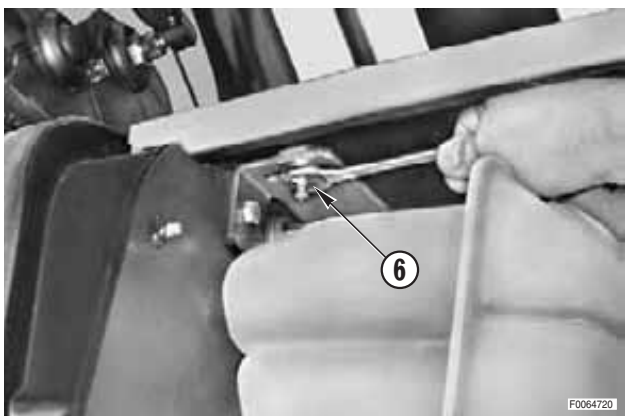


2 - Detach the side panel (3) from the rear buffer (5) and remove it.



2. Removal of the top hood

1 - Loosen and remove the four screws (6).



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

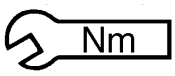
5.1 ALARMS DISPLAYED ON THE INSTRUMENT PANEL

On Infocenter	On ART	Description	ECU	Page
Application error	97	The control unit detects that the transmission control unit software has not been programmed correctly	GEAR	214
Armrest CAN fehler Meldung timeout	SPN 631	Detection of the absence of a CANBUS connection to the armrest	HPSA	109
Armrest Internal Error	SPN 634	Internal error detected	ARM.	231
Armrest, voltage 12V out of range	SPN 644	12V power incorrect	ARM.	236
Armrest, voltage 5V out of range	SPN 646	Feed voltage with lift incorrect	ARM.	237
Armrest,acceleration potentiometer disconnected	SPN 520	APS potentiometer disconnected	ARM.	231
Armrest,flow distrib. 1 disconnected	SPN 637	Max. flow potentiometer for control valve 1 disconnected	ARM.	233
Armrest,flow distrib. 2 disconnected	SPN 639	Max. flow potentiometer for control valve 2 disconnected	ARM.	233
Armrest,hand gas disconnected	SPN 561	Hand throttle disconnected	ARM.	231
Armrest,hitch consolle disconnected	SPN 643	Lift console disconnected	ARM.	235
Armrest,max flow distrib. 3 disconnected	SPN 641	Max. flow potentiometer for control valve 3 disconnected	ARM.	234
Armrest,max flow distrib. 3 disconnected	SPN 635	Control valve 3 potentiometer disconnected	ARM.	232
Armrest,max flow distrib. 4 disconnected	SPN 642	Max. flow potentiometer for control valve 4 disconnected	ARM.	234
Armrest,max flow distrib. 4 disconnected	SPN 636	Control valve 4 potentiometer disconnected	ARM.	232
Armrest,memory block 0 error	SPN 648	Memory group 0 configuration incorrect.	ARM.	238
Armrest,memory block 1 error	SPN 649	Memory group 1 configuration incorrect.	ARM.	238
Armrest,memory block 2 error	SPN 650	Memory group 2 configuration incorrect.	ARM.	238
Armrest,memory block 3 error	SPN 651	Memory group 3 configuration incorrect	ARM.	239
Armrest,memory block 4 error	SPN 652	Memory group 4 configuration incorrect	ARM.	239
Armrest,memory block 5 error	SPN 657	Memory group 5 configuration incorrect	ARM.	239

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

STANDARD TIGHTENING TORQUES FOR NUTS AND BOLTS



⚠ The tightening torques for certain specific components and special tightening methods are indicated in the relative assembly paragraphs.

★ The tightening torques indicated below refer to bolts and nuts assembled without lubrication and, where applicable, with anaerobic threadlocking compound.
The values apply to tightening on steel or cast iron components; for soft materials such as aluminium, copper, plastic, sheet metal or panels, the indicated tightening torques must be reduced by 50%.

BOLT SIZE		BOLT CLASS					
		8.8		10.9		12.9	
		Nm	lb.ft.	Nm	lb.ft.	Nm	lb.ft.
COARSE THREAD	M6x1	8.0–8.8	5.9–6.5	11.8 – 13.0	8.7–9.6	13.8 – 15.2	10.2–11.2
	M8x1.25	19.4–21.4	14.3–15.8	28.5 – 31.5	21.0 – 23.2	33.3 – 36.9	24.5 – 27.2
	M10x1.5	38.4 – 42.4	28.3 – 31.2	56.4 – 62.4	41.6 – 46.0	67.4 – 74.4	49.7 – 54.8
	M12x1.75	66.5 – 73.5	49.0 – 54.2	96.9 – 107	71.4 – 78.9	115 – 128	84.8 – 94.3
	M14x2	106 – 117	78.1 – 86.2	156 – 172	115.0 – 126.8	184 – 204	135.6 – 150.3
	M16x2	164 – 182	120.9 – 134.1	241 – 267	117.6 – 196.8	282 – 312	207.8 – 229.9
	M18x2.5	228 – 252	168.0 – 185.7	334 – 370	246.2 – 272.7	391 – 432	288.2 – 318.4
	M20x2.5	321 – 355	236.6 – 261.6	472 – 522	347.9 – 384.7	553 – 611	407.6 – 450.3
	M22x2.5	441 – 487	325.0 – 358.9	647 – 715	476.8 – 527.0	751 – 830	553.5 – 611.7
	M24x3	553 – 611	407.6 – 450.3	812 – 898	598.4 – 661.8	950 – 1050	700.2 – 773.9
	M27x3	816 – 902	601.4 – 664.8	1198 – 1324	882.9 – 975.8	1419 – 1569	1045.8 – 1156.4
FINE THREAD	M8x1	20.8 – 23.0	15.3 – 17.0	30.6 – 33.8	22.6 – 24.9	35.8 – 39.6	26.4 – 29.2
	M10x1.25	40.6 – 44.8	29.9 – 33.0	59.7 – 65.9	44.0 – 48.6	71.2 – 78.6	52.5 – 57.9
	M12x1.25	72.2 – 79.8	53.2 – 58.8	106 – 118	78.1 – 87.0	126 – 140	92.9 – 103.2
	M12x1.5	69.4 – 76.7	51.1 – 56.5	102 – 112	75.2 – 82.5	121 – 134	89.2 – 98.8
	M14x1.5	114 – 126	84.0 – 92.9	168 – 186	123.8 – 137.1	199 – 220	146.7 – 162.1
	M16x1.5	175 – 194	129 – 143	257 – 285	189.4 – 210.0	301 – 333	221.8 – 245.4
	M18x1.5	256 – 282	188.7 – 207.8	375 – 415	276.4 – 305.9	439 – 485	323.5 – 357.4
	M20x1.5	355 – 393	261.6 – 289.6	523 – 578	385.5 – 426.0	611 – 676	450.3 – 498.2
	M22x1.5	482 – 532	355.2 – 392.1	708 – 782	521.8 – 576.3	821 – 908	605.1 – 669.2
	M24x2	602 – 666	443.7 – 490.8	884 – 978	651.5 – 720.8	1035 – 1143	762.8 – 842.4

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

WORKSHOP MANUAL

SAME

Head offices:
V.le Ing. F. Cassani, 15
24047 Treviglio (BG)
Tel. 0363/4211
www.same-tractors.com

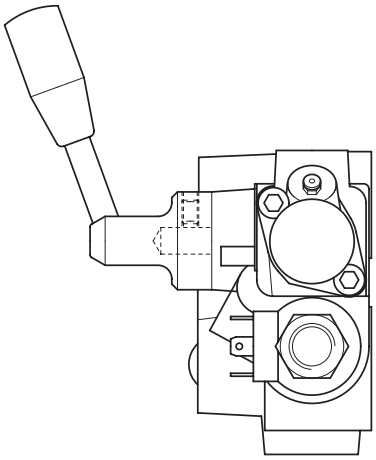
DIAMOND 210
DIAMOND 235
DIAMOND 265

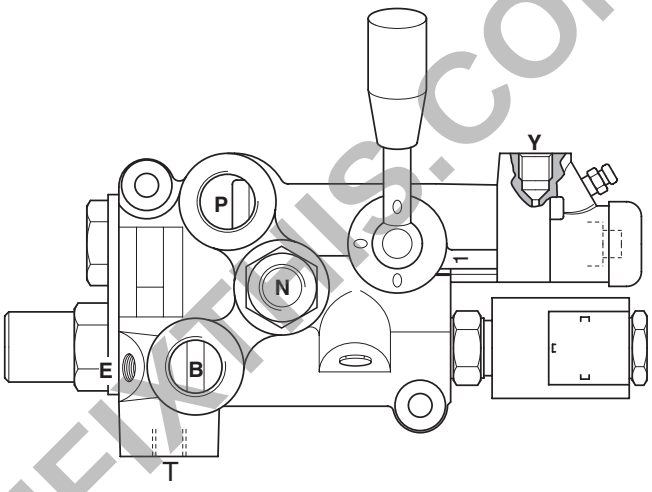
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

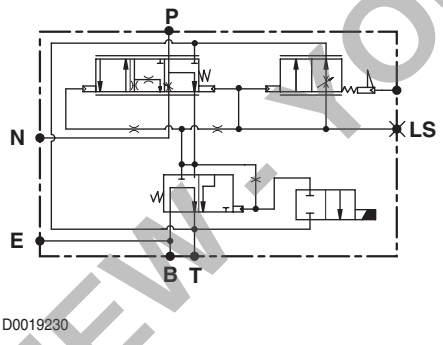
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com





HYDRAULIC DIAGRAM



D0019230

FUNCTION

Port P - Valve feed
Port B - To trailer brake
Port T - Drain
Port Y - Connection to tractor braking system
Port E - Low pressure braking system sensor
Port N - To exchanger

TECHNICAL DATA

- Maximum pressure at port N:
  210 bar (3046 psi)
- Minimum constant pressure at port B:
  12.5±2 bar (181.3±29 psi)
- Maximum pressure at port B:
  135$^{0}_{-5}$ bar (1957.5$^{0}_{-72.5}$ psi)
- Feed flow rate:
  20–80 ℓ/min (5.3 –21.14 US.gpm)

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

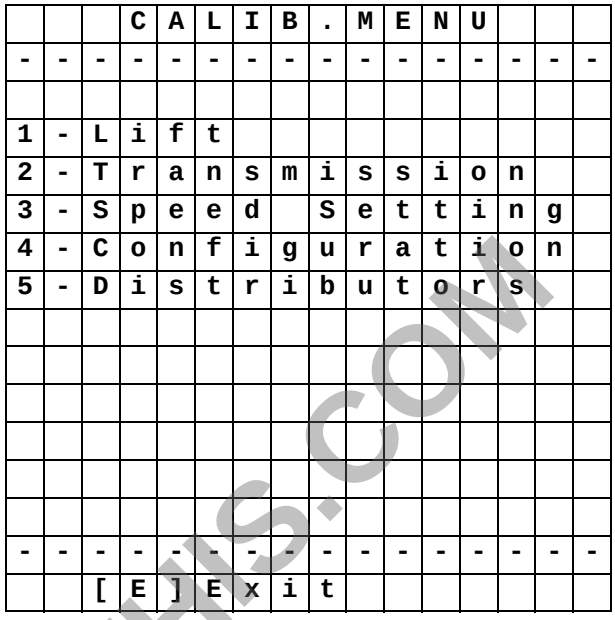
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

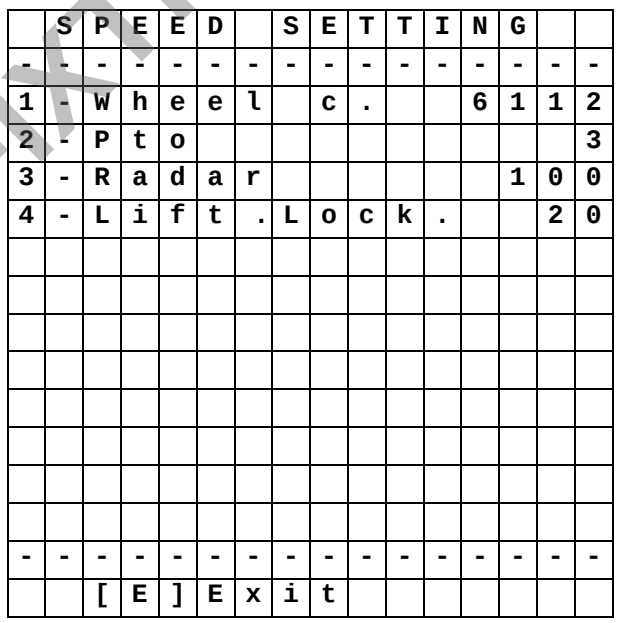
4.4.8 SETTING THE TYRE CIRCUMFERENCE

1 - From the “Main Menu” press “**2**” to access the calibrations menu.

2 - Press “**3**”.

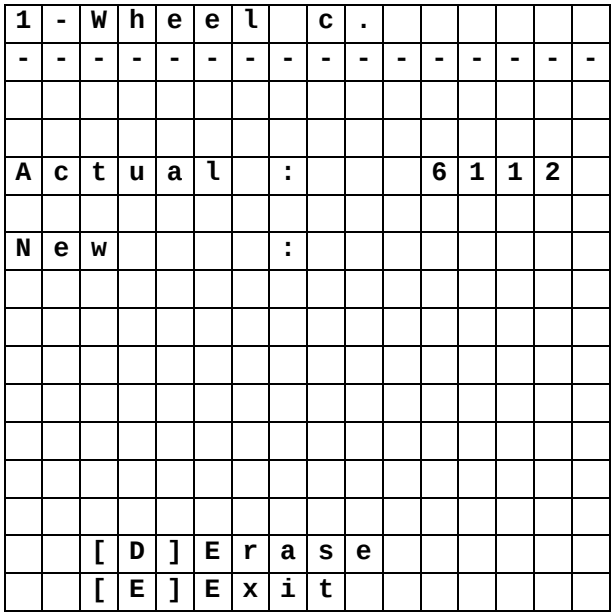


3 - Press “**1**”.



4 - Enter the new value by selecting it from the following table..

Tyre type	Tyre circumference
20,8 R42	5826
580/70 R42	5707
620/70 R42	5811
620/70 R46	6122
650/65 R46	6100
650/70 R42	5750
650/85 R38	6100
710/70 R38	5780
710/70 R42	6112



5 - Press “**E**” to save the value.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com



← Hitch Raise Valve disconnected



← SPN 602 - FMI 5

DESCRIPTION

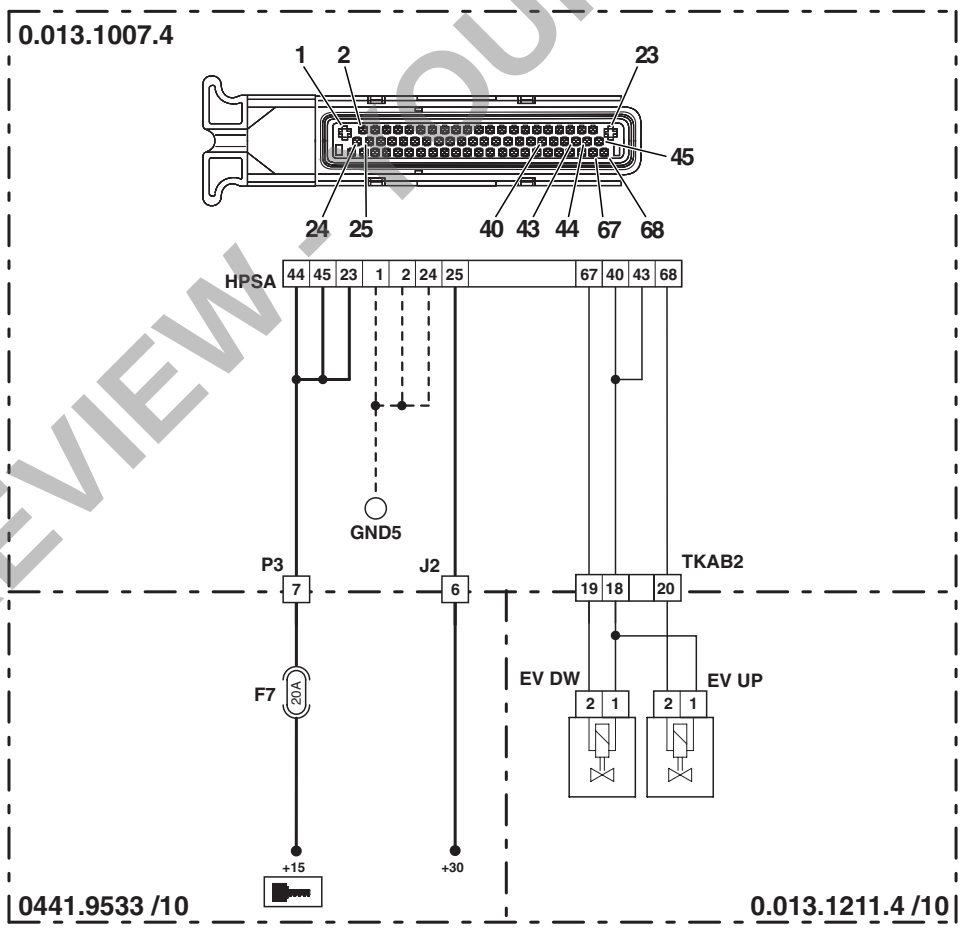
The control unit detects that the lift 'up' solenoid is disconnected.

NOTE

If alarms SPN 602-FMI 5 and SPN 603 FMI 5 are displayed simultaneously, the alarm is certainly caused by an interruption in the feed wire between the HPSA control unit (pins 40 and 43 on the "HPSA" connector) and the solenoids (pins 1 on the connectors "EVUP" and "EVDW") or by the absence of output power from the control unit.

CHECK

- Check that the contacts of the "EVUP" connector of the solenoid and the "HPSA" connector of the HPSA control unit are not loose or corroded.
- Test the internal resistance of the solenoid (for technical details see Group 40).
- Test for electrical continuity between pins 40 and 43 of the "HPSA" connector and pin 1 of the "EVUP" connector.
- Test for electrical continuity between pin 68 of the "HPSA" connector and pin 2 of the "EVUP" connector.
- If the fault persists, renew the control unit.



D0019810

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

ALARM N° 7



← Engine,boost pressure



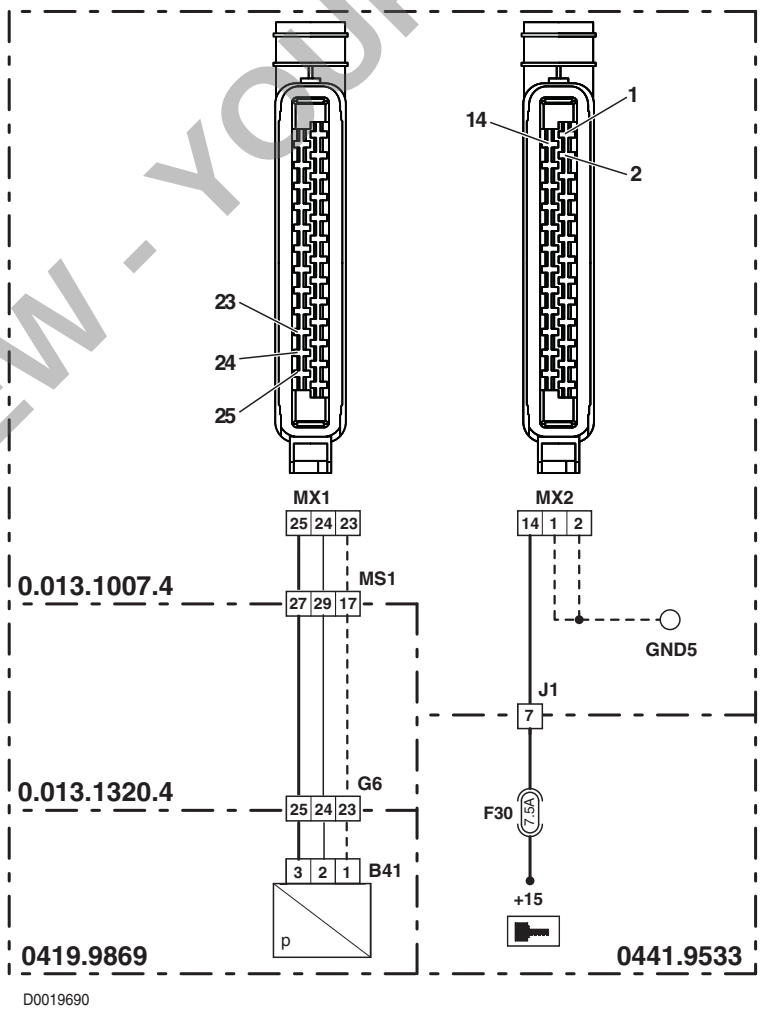
← SPN 102 - FMI 2

DESCRIPTION

The engine control unit has detected the absence of the engine boost pressure signal or an invalid value for this signal.

CHECK

- Test for electrical continuity between pin 1 of connector “B41” and pin 23 of connector “MX1”.
- Test for electrical continuity between pin 2 of connector “B41” and pin 24 of connector “MX1”.
- Test for electrical continuity between pin 3 of connector “B41” and pin 25s of connector “MX1”.
- Test the operation of the sensor (for technical details, see group 40).
- Check that the sensor is receiving power correctly (approx. 5 Vdc measured between pin 3 (positive) and pin 1 (negative) of the connector “B41”).
- With the connector “MX1” disconnected from the engine control unit and the starter key in position “I” (ON), connect a test meter to pin 2 of the connector “B41” and to the engine earth, and check that there is no voltage present (test meter reading 0V).
- With the starter key in position “O” (OFF), connect a test meter to pin 2 of the connector “B41” and to the earth on the engine and perform a resistance test to check for shorts to earth (meter reading: infinity).



PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

TRANSMISSION ALARM N° 54



← nLSA speed sensor



← 54

DESCRIPTION

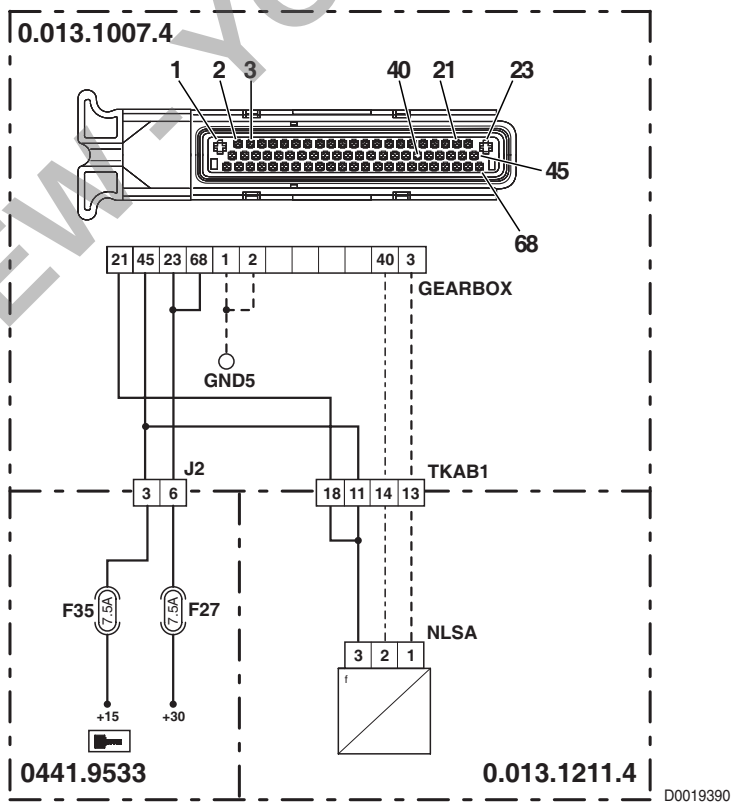
The control unit detects that the rpm sensor nLsa is short-circuiting to earth

ECU RESPONSE

The control unit limits operation to “LIMP-HOME” mode, and at the first attempt to shuttle in either direction, the transmission will revert to neutral, emitting a continuous beep.

CHECK

- Check that the contacts on connector “NLSA” and on connector “GEARBOX” of the transmission control unit are firmly attached and not oxidised.
- With the starter key in the “O” (OFF) position, connect a test meter to pin 2 of connector “NLSA” and to transmission earth, and measure the resistance to verify that there are no short circuits to earth (meter reading: infinity).
- Verify the correct operation of the sensor (for technical details, see section 40).
- Clear all alarms, turn the starter key first to “O” (OFF) and then back to the “I” (ON) position again, and if the alarm is still present, the control unit must be renewed.



PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Hst cons.disconn



← Armrest,hitch consolle disconnected



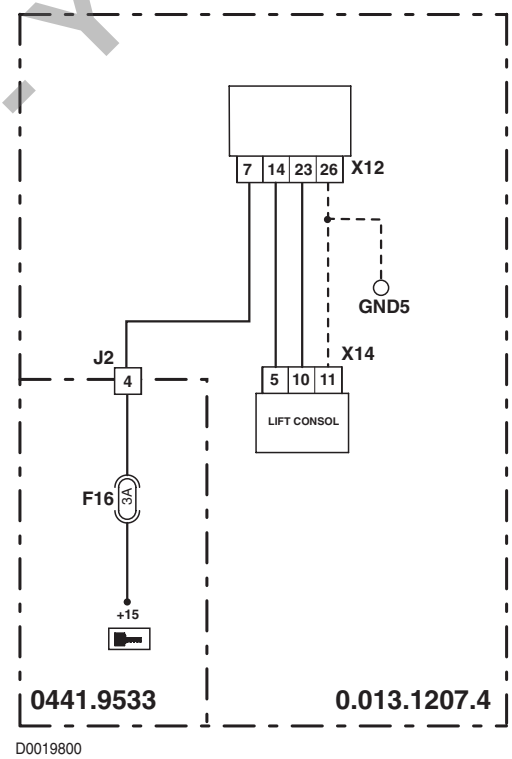
← SPN 643

DESCRIPTION

Lift control console disconnected

CHECK

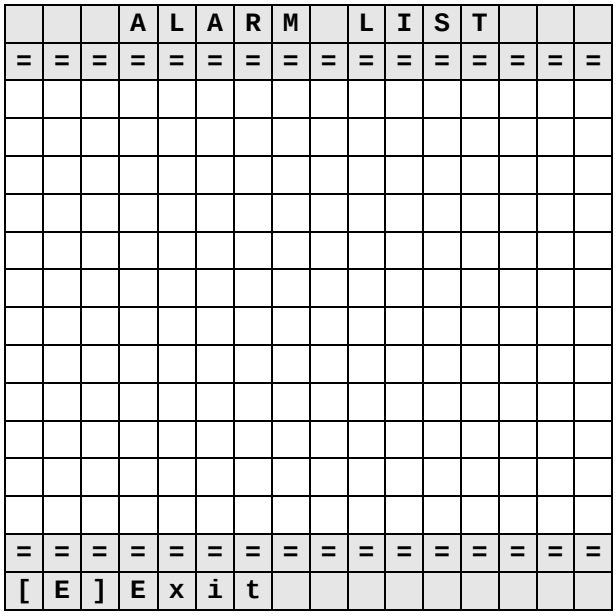
- Check that the contacts of the “X14” connector of the lift console and “X12” connector of the armrest are not loose or corroded.
- With the starter key in position “I” (ON), check that the lift console is receiving the correct voltage (voltage between pin 10 (positive) and pin 11 (negative) of the connector “X14” (wiring side) should be 5 Vdc).
- With the starter key in position “O” (OFF), connect a test meter to pins 5 and 10 of the connector “X14” (console side) and test the resistance to check that there is continuity (test meter reading: 0 Ohm).
- With the starter key in position “O” (OFF), connect a test meter to pin 14 of the armrest connector “X12” (wiring side) and to pin 5 of the console connector “X14” and test the resistance to check that there is continuity (test meter reading: 0 Ohm).
- With the starter key in position “O” (OFF), connect a test meter to pin 14 of the armrest connector “X12” (wiring side) and to pin 7 of the 16-pole connector located inside the armrest and test the resistance to check that there is electrical continuity (test meter reading: 0 Ohm).
- If the fault is not identified by the above checks, it can be attributed to a fault in the controls assembly located under the folding armrest, and therefore can be rectified by fitting a new controls assembly..



D0019800

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com



4. ALARM LIST

This page lists the alarms recognised by the armrest.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

4.1.2 F1 – CONSTANTS CHANGE

By pressing the key F1 an additional window headlined “display and program constants” appears:



Fig. 53 - Display and program constants

It is possible to compare the stored constants in the Infocenter with the help of the constant list (see item 3, resp. vehicle workshop manual).

- **Procedure for changing constant values:**
  Select the desired constant value by means of the cursor keys (the corresponding line is highlighted)
  - Press the ENTER key. By doing so, another window appears in which the new value can be entered.
  - Press the ENTER key again to confirm the change and return to the constant values menu.
  When the proper values are assigned to all constants, the main menu is called again by selecting the bottom line “End constant values menu” (and pressing ENTER).

CAUTION!

The realized changes are only saved after terminating the diagnosis program and subsequently switching the ignition off and on again.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

5.1.2 EMR2 ERROR TABLE

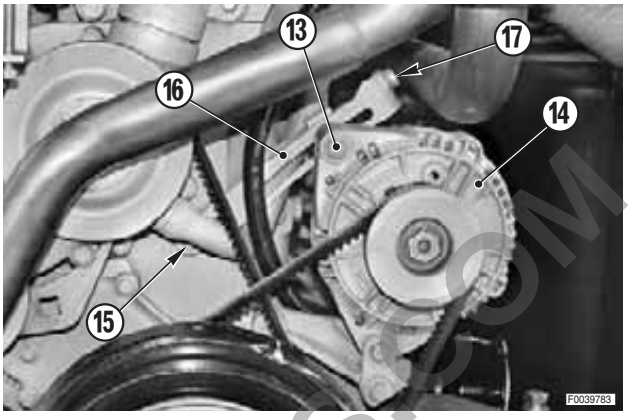
Fault group	Fault no. (in SERDIA)	Fault locality/ Fault description	Ricon. EMR	Blink codee		Cause	Remarks	Help
			short 0,4 s	long 0,8 s	horts 0,4 s			
Zero error display	-	No faults	2	-	-	No active faults present		
Revolutions / speed acquisition	01	Speed sensor 1	2	1	1	Sensor failure. Distance from gear too far. Additional fault impulses. Cable joint interrupted.	Governor in emergency operation (if sensor 2 available). Emergency switchoff (if sensor 2 not available or failed).	Check distance. Check cable connection. Check sensor and replace if required.
		Speed sensor 2	2	1	2		Governor in emergency operation (with sensor 1) Emergency switchoff (if sensor 1 not available or failed).	
	03	Speed sensor	2	1	3	Tacho failed. Additional fault impulses. Cable connection interrupted.	Governor in emergency operation. (see Chapter 4.15).	Check cable connection and tacho. Replace if required.
	04	Excess speed switch	2	1	4	Speed was/is in excess of limit. e.	Engine stop. (see Chapter 4.3.3)	Check parameter (21). Check speed settings. Check PID setting. Check rods. Check actuator and replace if required. Check cable to actuator (impulse on incorrect speed). Check no. of teeth. For vehicles check for possible thrust mode.
Sensors	05	Set point sensor 1 accelerator pedal)	2	2	1	Fault at corresponding sensor entry (e.g. short circuit or cable break).	See Chapter 4.15 influencing fault reaction. With failure of the sensor, the associated monitoring function is de-activated.	Check sensor cable. Check sensor and replace if required. Check fault limits for sensor.
	06	Set point sensor 2 (hand throttle)	2	2	2			
	07	Charge air pressure	2	2	3			
	08	Oil pressure	2	2	4			
	09	Coolant temperature	2	2	5			
	10	Charge air temperature	2	2	6			
	11	Fuel temperature	2	2	7			

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

6 - Loosen the retaining screw (13) of the alternator (14) and the pivot bolt (15) of the drivebelt tensioner (16).

7 - Turn the threaded adjuster rod (17) to slacken off the drivebelt.

8 - Remove the alternator (14).
(For details, see the engine manual).



REFITTING THE ALTERNATOR

- Refitting is the reverse of removal.

★ Adjust the drivebelt tension.
(For details, see the engine manual).

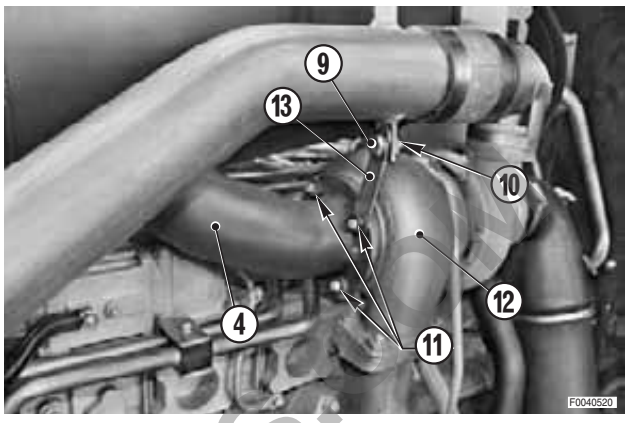
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

5 - Unscrew and remove the bolt (9) and nut (10).

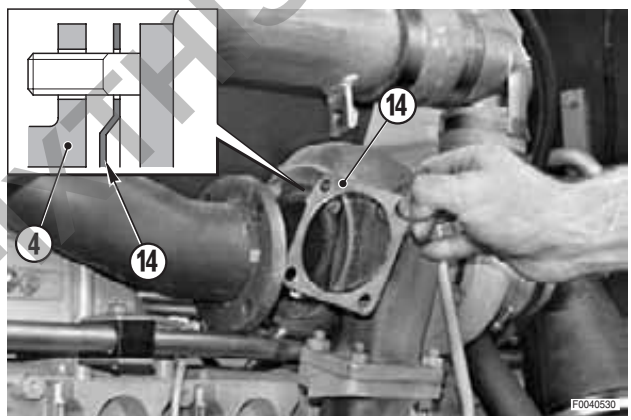
6 - Remove the nuts (11) securing the silencer to the turbocharger (12) and remove the silencer (4) and the bracket (13).

kg Silencer: 35 kg (77 lb.)



7 - Remove the gasket (14).

★ Note which way round the gasket is fitted.



REFITTING THE SILENCER

- Refitting is the reverse of removal.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

REMOVAL OF THE FUEL TANKS

- Allow the fuel to cool to ambient temperature before emptying the tanks.
- Do not smoke or allow naked flames in the vicinity during the removal, refitting and filling of the fuel tanks.
- Wipe up any spilt fuel immediately before someone slips on it.
- Disconnect the lead from the negative (–) terminal of the battery.

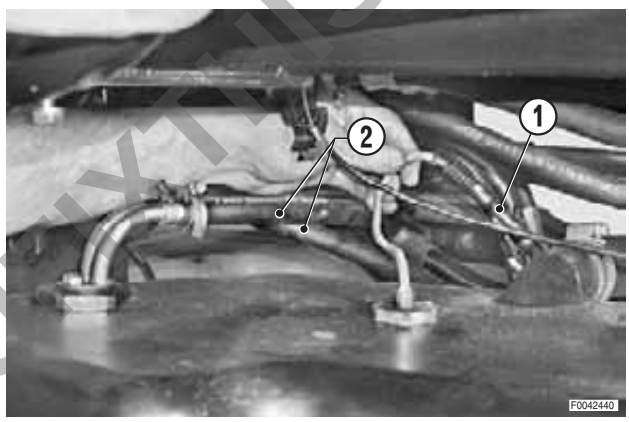
1 - Remove the rear wheels.
(For details, see "REMOVAL OF THE REAR WHEELS").

2 - Remove the cab access steps.
(For details, see «REMOVAL OF THE CAB ACCESS STEPS»).

3 - Remove the filler cap and, using a suitable pump, draw off all the fuel from the main tank.

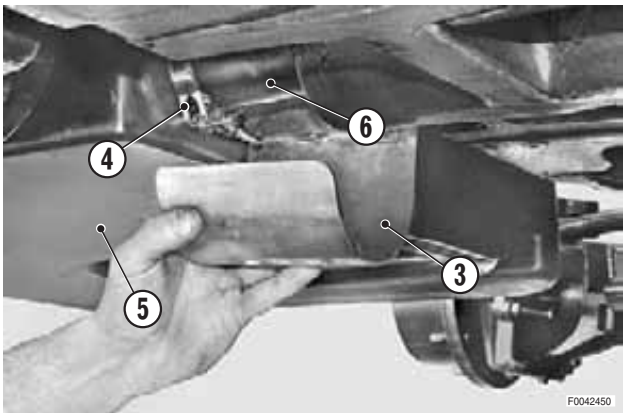
4 - Unplug the fuel level indicator connector (1).

5 - Mark the relative positions and disconnect the fuel outlet and return pipes (2).
★ Plug the pipes to prevent further fuel spillage and dirt from getting in.

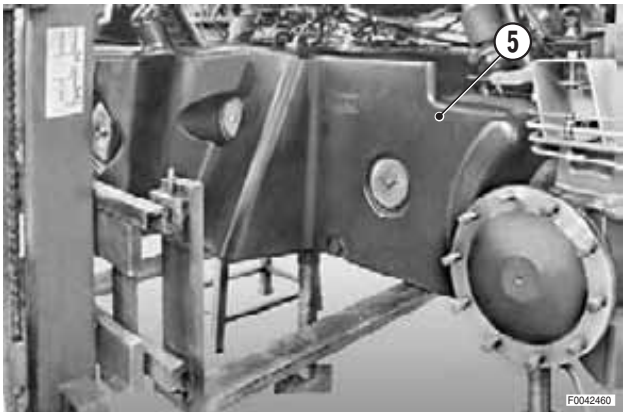


6 - Remove the left-hand cover (3) of the lower tank connection pipe.

7 - Loosen the clamp (4) and disconnect the lower pipe (6) that connects to the right-hand tank.



8 - Position a fork lift under the tanks and support the tank (5).



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

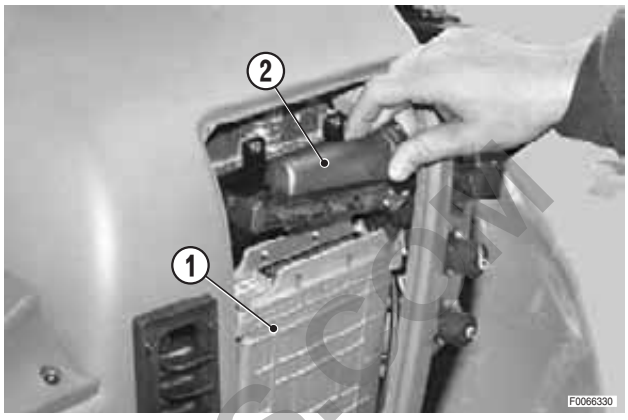
REMOVAL OF THE ELECTRONIC CONTROL UNITS

⚠ Remove the battery cover and disconnect the negative battery lead (–).

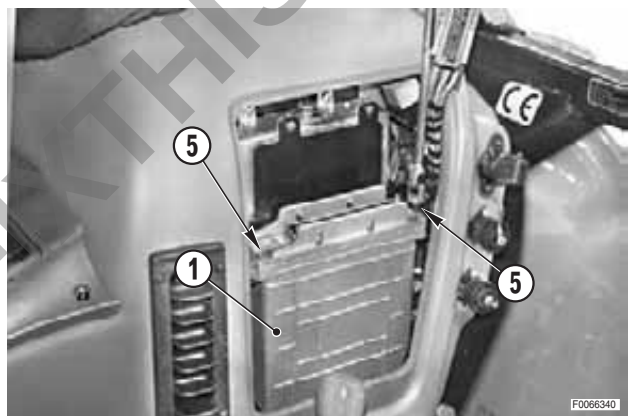
1 - Remove the rear hatch of the right-hand console.

1. HPSA control unit

1 - Unplug the connector (2) from the control unit (1).



2 - Unscrew and remove the screws (5) securing the control unit (1).



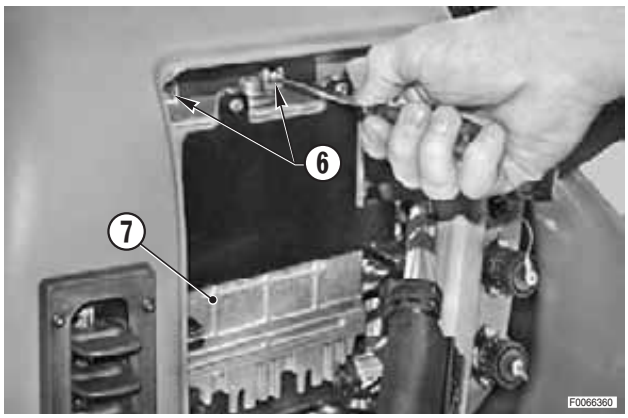
3 - Withdraw the control unit (1).



2. Transmission control unit

1 - Remove the HPSA control unit. (See previous paragraph).

2 - Unscrew and remove the screws (6) securing the transmission control unit (7).

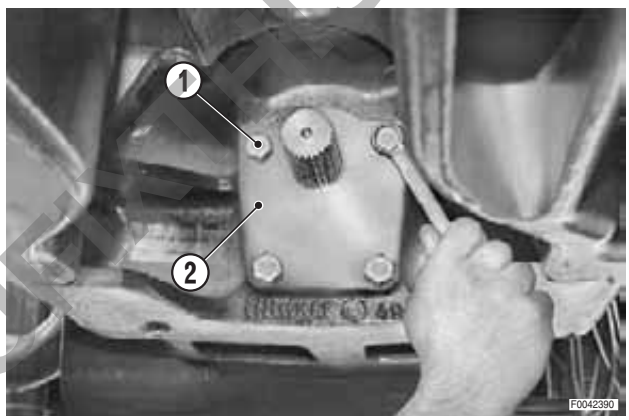


PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com

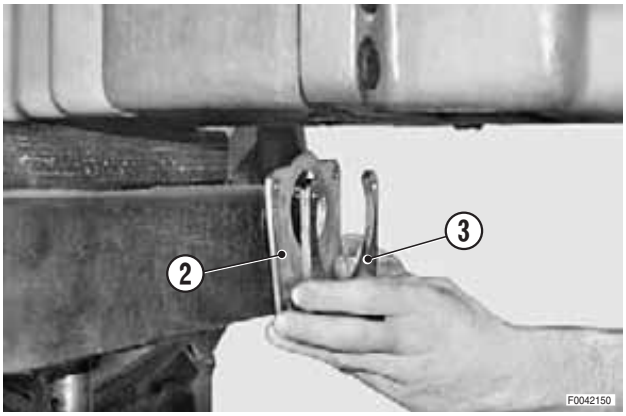
2 - Position a jack "**A**" and a non-slip block under the front part of the transmission.



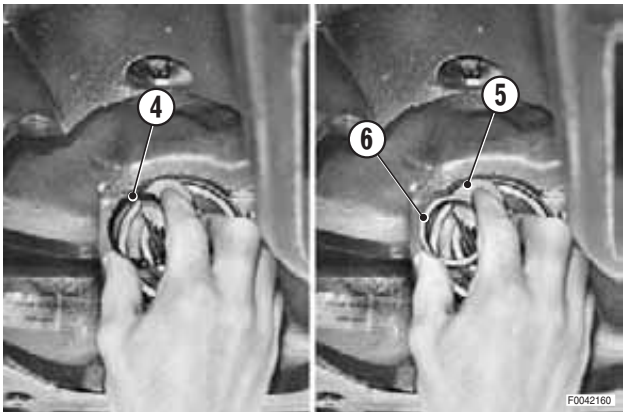
3 - Unscrew and remove the retaining bolts (1) of the flange (2).



4 - Remove the flange (2) and the spacer (3).



5 - Remove the circlip (4) securing the shaft (5) and the spacer (6).



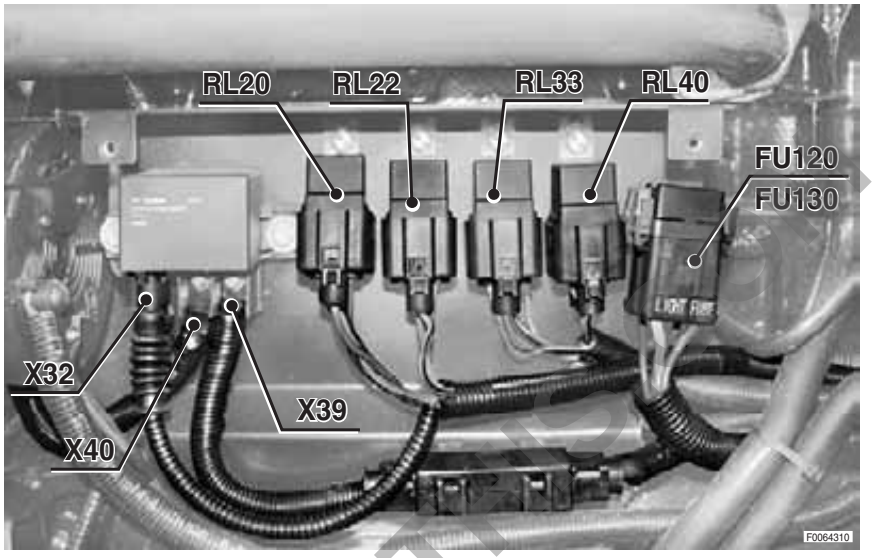
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

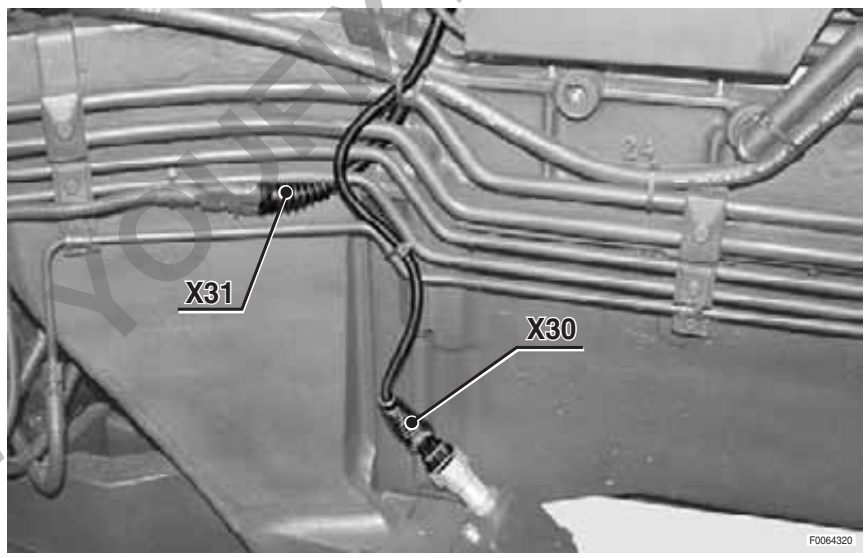
N°	Description	Code	Characteristics	Connector
27	Forward/reverse solenoid valves (Y6, Y7)	0441.6685	Pin1 = earth Pin2 = power Resistance between pin 1 and pin 2: 28 ± 2 Ohm	ADD EV V/R
28	Rear PTO speed sensor (1-speed)	0443.8449	Pin1 = earth Pin2 = square wave signal Pin3 = 12V power High level: 3.5-4.3 V Low level: 0.6-1.2 V	X48
29	Compressed air pressure gauge	0442.5709	Pin G = input from sensor Pin + = 12V power Pin - = earth	X70
30	Trailer braking air pressure sensor	0.011.9428.0	12 Vdc power Resistance at 0 bar 10-13 Ohm Resistance at 6 bar 119-129 Ohm	X92
31	Engine coolant temperature sensor	0419.9809	Resistance at 21.5 °C: ~2.3 kOhm	B43
32	Rear PTO speed sensor (2-speed)	0.010.1214.4	Pin1 = earth Pin2 = analog signal: 0 Volt with sensor covered by metal 12 Volt with sensor exposed Pin3 = 12V power	X48
33	Operator present sensor	0.012.5985.4/ 10	With operator sitting in driving seat: Resistance between pin 1 and pin 2: 1000 Ohm Resistance between pin 1 and pin 3: 1500 Ohm Resistance between pin 2 and pin 3: 500 Ohm With operator standing: Resistance between pin 1 and pin 2: 1000 Ohm Resistance between pin 1 and pin 3: 3000 Ohm Resistance between pin 2 and pin 3: 2000 Ohm	X10
34	Actuator	0211.2588	Measured between pin 3 and pin 4: ~ 25 Ohm Measured between pin 3 and pin 5: ~ 25 Ohm Measured between pin 1 and pin 2: ~ 1.3 Ohm	Y3
35	Preheating glow plugs relay	0419.4081	Resistance between pins: ~ 37 Ohm	X32 - X39 - X40
36	Start enable switch	0441.6066	Normally closed switch (NC); resistance 3.9 Ohm when closed Colour: Green	X33
37	Lift draft sensor	0442.6419	Pin1 = earth Pin2 = analog signal Pin3 = 8V power Signal with no implement hitched: 4V ± 0.2 V	LEFT DRAFT - RIGHT DRAFT
38	PTO 750 solenoid valve	0443.1661	Pin1 = earth Pin2 = power Resistance between pin 1 and pin 2: 10 Ohm	PTO 750
39	PTO 1000 solenoid valve	0443.1661	Pin1 = earth Pin2 = power Resistance between pin 1 and pin 2: 10 Ohm	PTO 1000

PREVIEW - YOUFIXTHIS.COM

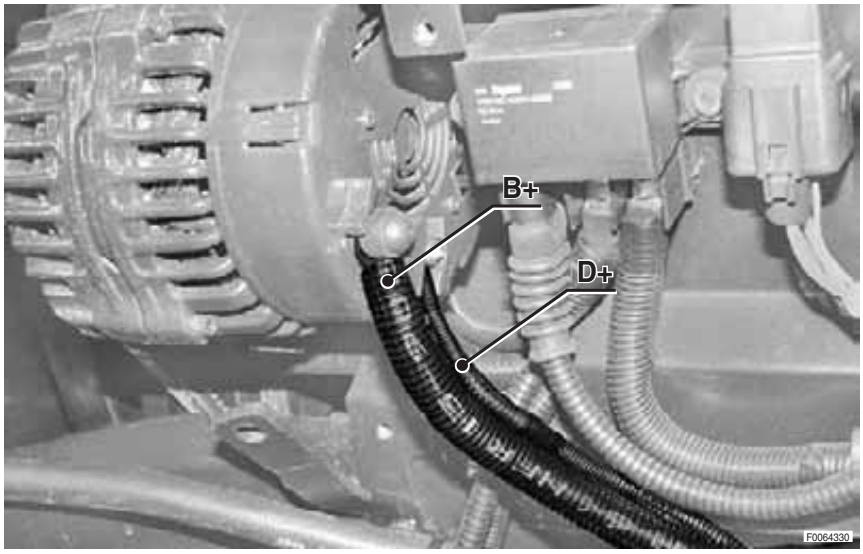
4



5

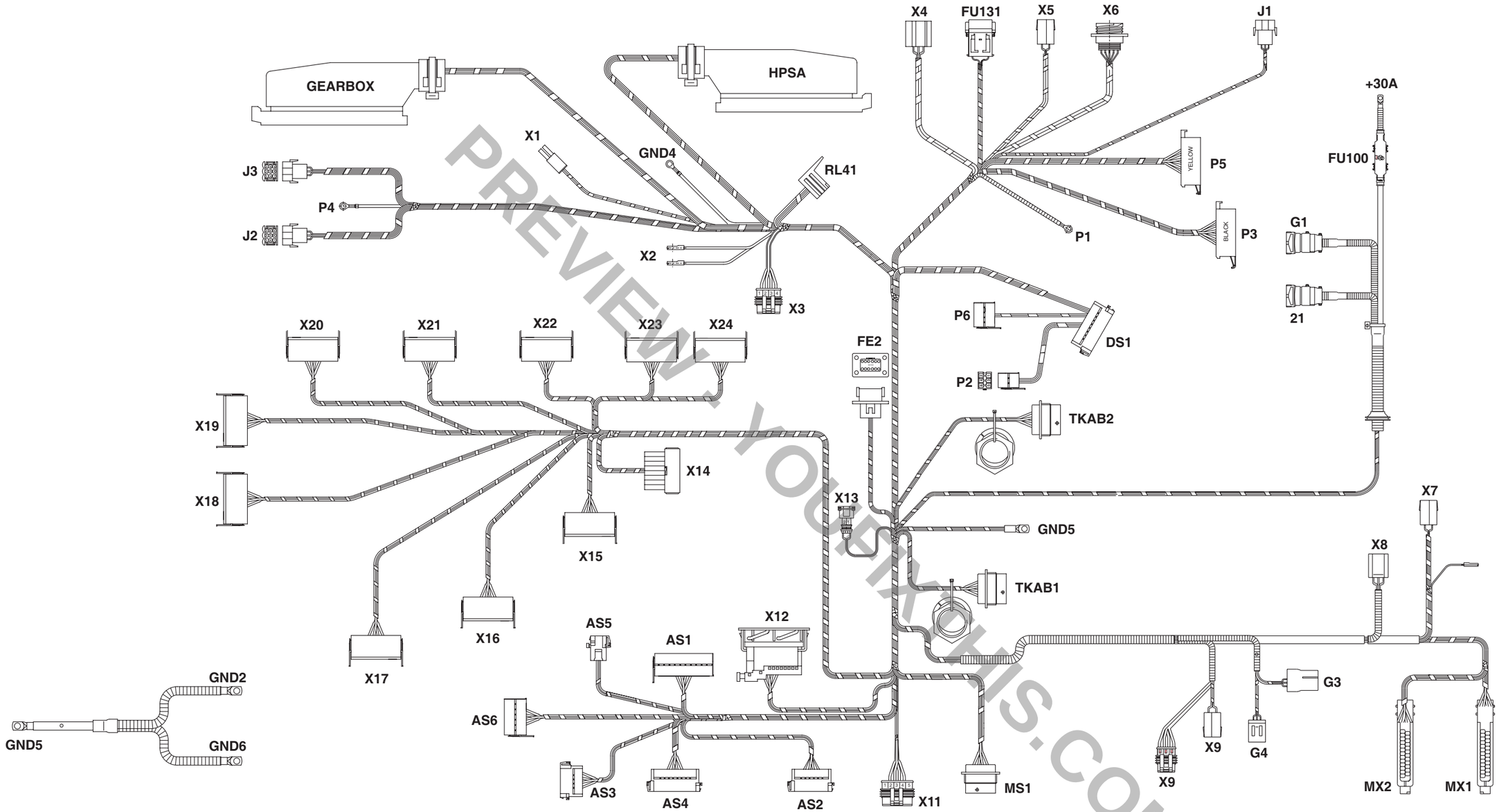


6



PREVIEW YOUR KTM

SIDE CONSOLE WIRING (WITH AB LIFT POSITION SENSOR) (1/3)



+30A Battery
AS1 To front console wiring
AS2 To front console wiring
AS3 To front console wiring
AS4 Lights selector switch
AS5 To display wiring
AS6 To front console wiring
DS1 To roof wiring
FE2 To front axle suspension wiring
FU131 Heater feed fuse
G1 To fender wiring
G2 To fender wiring
G3 To air conditioning wiring (cab)
G4 To air conditioning wiring (cab)

GEARBOX Transmission control unit
HPSA HPSA control unit
J1 Relays/fuses control unit
J2 Relays/fuses control unit
J3 Relays/fuses control unit
MS1 To engine wiring
MX1 Engine control unit
MX2 Engine control unit
P1 Relays/fuses control unit
P2 Relays/fuses control unit
P3 Relays/fuses control unit
P4 Relays/fuses control unit
P5 Relays/fuses control unit
P6 Relays/fuses control unit

RL41 Preheating indicator lamp relay
TKAB1 To transmission wiring
TKAB2 To transmission wiring
X1 ISO4 socket (power supply to implements)
X2 Auxiliary power socket
X3 ISO7 socket (implement connection)
X4 Starter switch
X5 Supplementary power
X6 Diagnostics connector
X7 Cigar lighter
X8 Handbrake switch
X9 Driver seat air suspension compressor
X10 Operator present sensor
X11 Gearbox control lever

X12 Armrest
X13 Creeper engagement switch
X14 Lift control console
X15 Not utilised
X16 Front PTO button (in cab)
X17 Rear PTO button (in cab)
X18 Rear worklights switch
X19 Rotating beacon on/off switch
X20 PTO AUTO switch
X21 PTO ENABLE switch
X22 Hazard warning lights switch
X23 Rear screen wiper switch
X24 PTO speed selector switch

D0019030

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

PREVIEW ONLY

You're viewing 25 of 902 pages

The full manual includes:

- All 902 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

Same DIAMOND 210, DIAMOND 235, DIAMOND 265 Repair Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual