AVANT PROPOS

Le présent Manuel de Réparation a été concubour les Ateliers de Réparation de nos dépositaires et il contient toutes les instructions de démontage et de montage nécessitées par les travaux de réglade et de remplacement des piéces.

Dés qu´il s´agit de remplacer des piéces, il faut utiliser uniquement des piéces de rechange originales. Pour commander les piéces de rechange, nous prions de nous indiquer le numéro du chassis et le numéro de référence de la piéce concernée.

On considére que ces travaux sont effectués par des spécialistes et c´est pourquoi les réparations courantes ne sont pas décrites.

On considére également que l´on dispose des outils classiques et de l´appareillage équipant normalement un atelier.

Les outils spéciaux ont été réduits au strct nécessaire et ils sont énumérés la fin du manuel.

En ce qui cincerne les travaux d´entretien, priére de consulter les Instructions de Service.

Les ateliers de réparation devront tenir compte des caractéristiques techniques.

Il convient de respecter les consignes générales de sécurité et de prévention des accidents en vigueur.

Le présent Manuel de Réparation n´est soumit á aucune midification, et c´est pourquoi il convient de consulter les Circulaires Techniques publiées par la suite. L´édition d´un nouveau Manuel de Réparation tient compte de toutes les modification nécessaires.

Sous réserve de modifications techniques nécessaires á lámélioration des produits présentés par des illustrations et des indications référencées dans ce Manuel d´Atelier.
Réimpression et reproduction meme partielle, quelle qu´en soit la nature, interdtes sans l´autorisation écrite de nos service.

PROLOGO

El presente Manual de Rparaciones ha sido elaborado para los talleres de nuestros servicios oficiales y comprende todos los trabjos de montaje y desmontaje qu son necesarios para la sustitución de piezas o trabajos de ajuste.

Cuando se sustituyan piezas deberán utilizarse unicamente piezas de repuesto originales. Los pedidos de las piezas de repuesto, sirvanse hacerlos indicando el número de chasis y siguiende el catálogo de repuestons que tenga validenz.

Es una condición previa que los trabajos sean ilevados a cabo por personal especializado. Por este motivo, hemos desistido de describir reparaciones comúnmente conocidas.

Naturalmente, damos por sobreentendido que los talleres deberán estar equipados con herramientas y utillaje adecuado. La cantidad de herramientas especiales a utilizar ha sido reducida a la medida necesaria y van relacionadas al final de este libro.

Los puntos referentes a trabajos de mantenimiento y de conservación sirvanse consultar el Manual de Instrucciones. Los talleres están obligados a tener en cuenta los datos técnicos.
Se cumplirán las normas aplicables para la prevención de accidentes asi como todas las demás normas de seguridad y medicina laboral generalmente aceptas.

Este Manual de Reparaciones no está sometido a modificaciones y, por lo tanto, les rogamos tengan especialmente en cuenta las circularse técnicas que, adicionalmente, se irán publicando. Cuando un Manual de Reparaciones sea editado de nuevo se tendrán en cuenta y serán introducidas todas las modificaciones.

Nos reservamos el derecho de introducir modificaciones técnicas necesarias para el mejoramiento de las productas, aunque difieran de las ilustraciones y datos contenidos en este Manual de Taller. La reimpresión del presente libro o cualquiera forma de reproducción, aunque sea parcial, requiere nuestra autorización por escrito.

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Fault code	DIN brief description	Cause	Consequences	Reference	FENDIAS / Note
4.1.62	**Y003** - Solenoid valve, travel range II "switching from travel range 1 – 2"	Actuation fault	Continuation in emergency mode possible		TRANSMISSION TRAVEL RANGE
4.1.63	**Y005** - Solenoid valve, speed governor (= restriction of actuator shaft rotation angle)	Actuation fault	Possible to continue at max. 30 km/h	Wiring diagram Sheet 29	TRANSMISSION FUNCTIONAL OVERVIEW
4.1.64	**Y004** - Solenoid valve, turbo-clutch	PWM actuation fault		Wiring diagram Sheet 29	TRANSMISSION TURBO CLUTCH
4.1.65	**Y053** - Active hold function solenoid valve	Actuation fault	No active hold function	Wiring diagram Engine brake – stationary control	TRANSMISSION FUNCTIONAL OVERVIEW
4.1.66	**K051** - Relay, active hold function **Y053** - Active hold function solenoid valve	Relay faulty, solenoid valve faulty, signal line faulty	No active hold function	Wiring diagram Engine brake – stationary control	TRANSMISSION FUNCTIONAL OVERVIEW
4.1.67	**K051** - Relay, active hold function	Relay test unsuccessful, relay contacts (pin 3 / 5) stuck.	No active hold function	Wiring diagram Engine brake and active hold function	TRANSMISSION FUNCTIONAL OVERVIEW
4.1.68	**A002** - ECU, enhanced control **A009** - Actuator unit	Transmission characteristic shifted in neutral point			TRANSMISSION CALIBRATION
4.1.70	**A004** - ECU, control panel	Faulty button "Tempomat cruise control 1" button	Tempomat cruise control cannot be activated	Wiring diagram Sheet 29	TRANSMISSION TEMPOMAT cruise control
4.1.71	**A004** - ECU, control panel	Faulty button "Tempomat cruise control 2" button	Tempomat cruise control cannot be activated	Wiring diagram Sheet 29	TRANSMISSION TEMPOMAT cruise control
4.1.72	**S017** - Switch, transmission oil contamination	Signal fault	No further display or monitoring, possibly transmission damage	Wiring diagram Sheet 29	TRANSMISSION TRANSMISSION OIL/FILTER
4.1.73	**B009** - Discharge temperature	Signal fault	No further display or monitoring, possibly transmission damage	Wiring diagram Sheet 29	TRANSMISSION TRANSMISSION OIL/FILTER

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59. Engine does not have enough power

Cause	Remedial Action
Dirt in fuel filter	Fit new filter box. Bleeding the fuel system
Dirt in fuel supply pump	Clean supply pump and bleed system (workshop only)
Engine brake (optional) not completely open	Check engine brake (for good operation and adjustment)
Turbocharger: intake system leaks / charger damaged	Check intake and exhaust pipes / check turbocharger (workshop only)

60. Engine giving off abnormal amount of smoke

Cause	Remedial Action
Injector nozzles not working correctly	Check pressure and spray pattern from the injector nozzles (see workshop maintenance schedule)
Injection volume / start of fuel delivery incorrectly set	Rectify settings (workshop only)

61. Engine making a lot of noise

Cause	Remedial Action
Unbalanced ring fan due to dirt.	Clean ring fan.

62. Tractor does not pull off

Cause	Remedial Action
Actuator unit is not functioning	Mech. auxiliary mode
No speed range engaged	Engage speed range I or II, if necessary using auxiliary shift lever
Shift is not working	Measure servo pressure (too low)
Feeder not functioning	Measure feed pressure and output pressure
Leak in the main circuit	Measure feed pressure and output pressure
Internal leak in the main circuit	Monitor transmission characteristic (workshop only)
High pressure relief valve is not closing	Measure control pressure
Flush valve is sticking	Drive off in other direction
No transmission characteristic programmed	Record transmission characteristic (workshop only)
Cover of the emergency control open	Close cover
Speed adjustment not calibrated	Calibrate speed adjustment

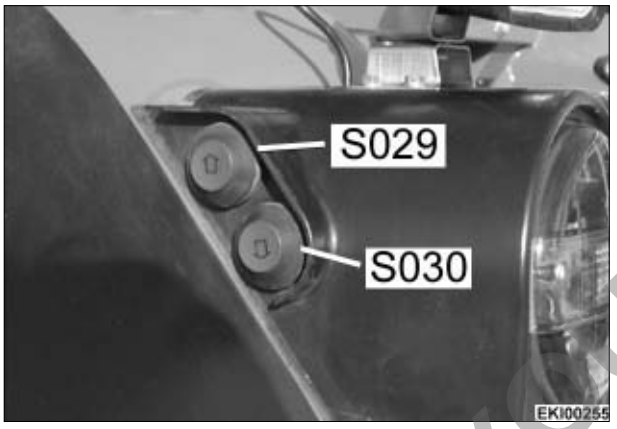
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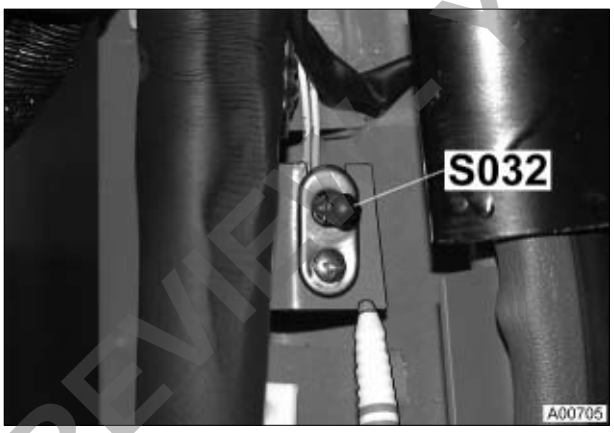
FENDT 700 COM III FENDT 800 COM III	Tractor / General system **Electrical / electronic components - S**	**D**



Lift assembly / rear power lift
S027 = External right button 'Raise'
S028 = 'Lower' external button right



Lift assembly / rear power lift
S029 = External left button 'Raise'
S030 = External left button 'Lower'

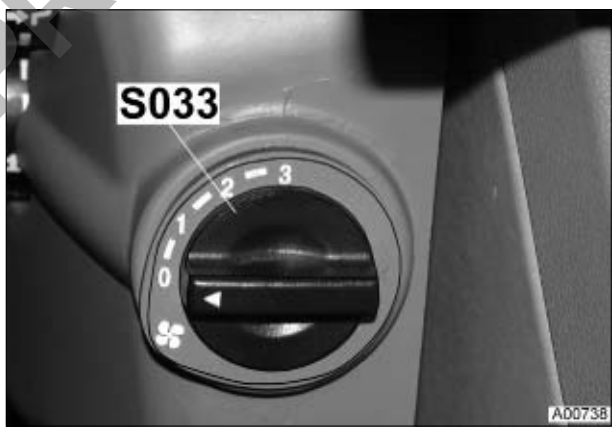


S031 = Door contact switch right
S032 = Door contact switch left

Note:
Photo shows left door contact switch; right switch analogous

At top on door hinge on cab doors

Remove panel



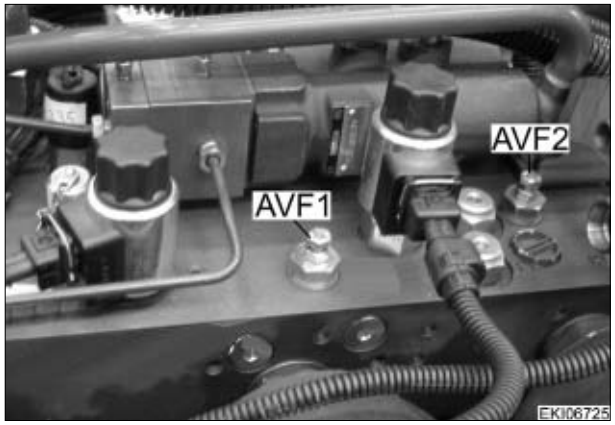
S033 = Heater control (three-stage)

On left of steering column

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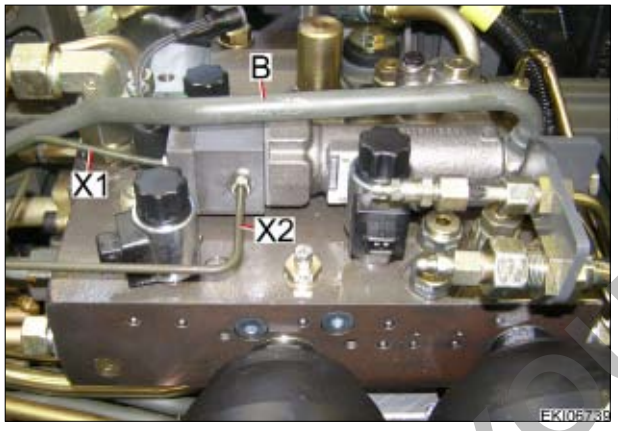
FENDT 700 COM III FENDT 800 COM III	Tractor / General system **Hydraulic components**	**D**



AVF1 = Shutoff
AVF2 = Shutoff
= Safety system for relieving pressure in front suspension

On top of ZSB

Remove panels



B on ABV = Hydr. pipe for hydraulic trailer brake rear connection

On top of ZSB

Remove panels



BL1 = Aperture no. 1, d=2.0
BL2 = Aperture no. 2, d=1.8

On top of ZSB

Remove panels



BL3 = One-way restrictor, aperture no. 3, d=1.6

On top of ZSB

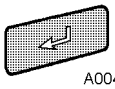
Remove panels

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EKI06719

The next pictogram is displayed
Set foot throttle pedal to idle position.


A00462

and store with key.



EKI06720

If incorrect values are found or conditions are not met, ERROR message is displayed.
Explanation of the error messages F21 to F29.

If incorrect values are found or conditions are not met, **ERROR** message is displayed.
If calibration proceeds without errors, **OK** is displayed, and new sensor settings are stored.

Note:
Data are only accepted when ignition key is turned to position '0'.

Error message that may occur when calibrating the foot throttle

Error message	Cause / remedy
F 21	Transmission not in neutral
F 22	Signal current to EST A002 less than 3 mA
F 23	Signal current to EST A002 greater than 21 mA
F24	Signal voltage to EST A051 faulty
F 25	Signal current range to EST A002 less than 12 mA or calibrated the wrong way around
F 26	Signal voltage range to EST A051 less than 70% or calibrated the wrong way around
F 27	Time for a step exceeded
F 28	Error in saving to EEPROM
F 29	Idle switch implausible

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FENDT 400 COM III FENDT 700 COM III FENDT 800 COM III	Transmission / transmission control unit **Checking clutch and turboclutch valve, and valve block**	**E**

Checking high-pressure circuit in valve block

Following preliminary work must be carried out:

> **Danger:**
> **Prop tractor with 4 trestles, taking appropriate safety precautions (high-pressure measurement).**

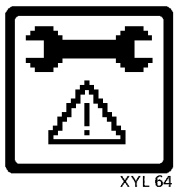
- Remove right rear wheel and panels.
- Remove screw plug at **connection T** .
- Connect pressure gauge greater than 500 bar to measuring connection **PH** .

Test sequence:

1. Start engine.
2. Initiate Emergency mode.



(apply clutch pedal,
press pushbutton to left of steering wheel)



Following display appears on instrument cluster.

3. Close hand brake.
4. Attach auxiliary lever (A) and run transmission against high pressure.

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FENDT 400 COM III *FENDT 700 COM III* *FENDT 800 COM III*	Transmission / Brake system **Setting master brake cylinder**	**E**

Fault: Brake system does not release (becomes hot without brake being actuated).

Possible causes:
- **Check settings on master brake cylinder.**
- **Check setting on wheel brake cylinder.**

Checking settings on master brake cylinder

Release steering column cover.
Remove instrument cluster.

Adjusting brake pedal travel

Brake pedals locked and in default position.
Distance from brake pedal pivot point to brake pedal footplate **approx. 219 mm** (corresponds to pedal travel of approx. 186 mm).
In event of discrepancies coat thread of stop screws **A** with synthetic bonding agent X 903.050.084.
Set distance of 219 mm and fix with lock nut. Set second stop screw in same manner. Check for presence of snubbers on stop screws.

Note:
This distance only has to be measured in exceptional cases, e.g. after brake pedals have been replaced.

Adjusting piston rod play (T)

With brake pedals locked set **piston rod play T=0.5 to 1.0 mm** , corresponding to **approx. 3 mm pedal travel** .
In event of discrepancies turn piston rod as appropriate and fix using lock nut **C** .
Adjust second piston rod in same manner.

Adjusting piston travel

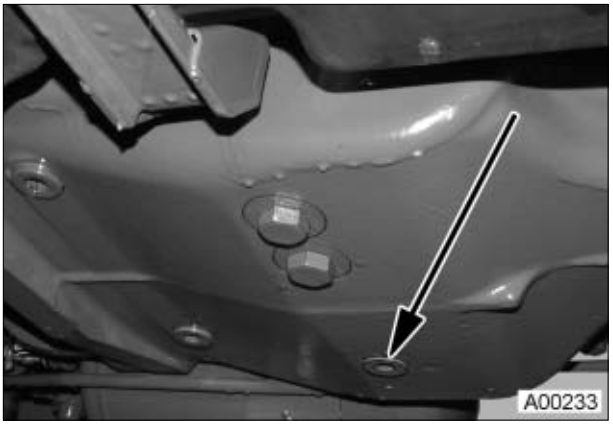
Unlock brake pedals. With full brake system open relevant bleed valve. Press brake pedal as far as stop. Tighten stop screw **B** until piston in master brake cylinder has reached limit position. Then unscrew stop screw **B by one turn** (corresponding to approx. 1 mm clearance on piston base) and lock.
Adjust second master brake cylinder in same manner.

Note:
For details of setting brake cylinder see: - Installation and removal of brake cylinder - Chapter 1070 Reg. G
Bleeding brake hydraulic system - Chapter 1070 Reg. G

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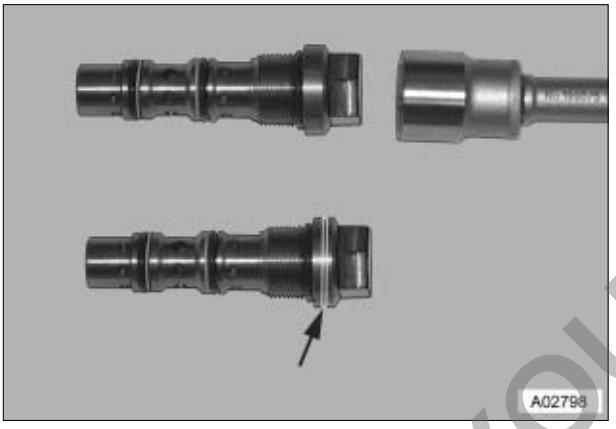
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Fav 700 *FENDT 700 Vario* *FENDT 800 Vario*	Transmission / Transmission unit **Removing flush valve**	**G**



Preliminary work: drain transmission oil.
Unscrew screw plug on bottom of transmission (arrowed).

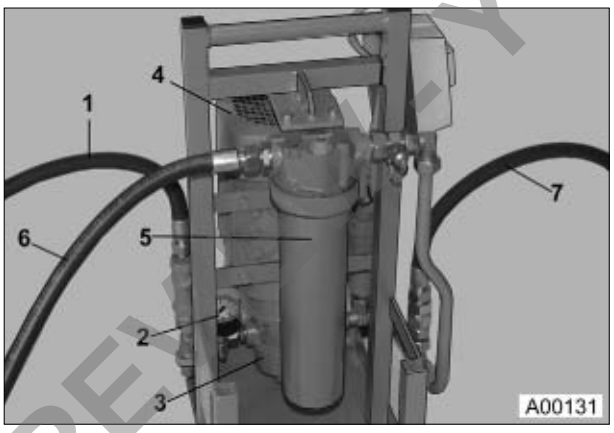
With socket spanner (SW22) unscrew **purge valve** .



Purge valve removed in picture.

Only replace the O-rings if there is damage. Check the position of the support rings. The support rings face towards each other. Tighten the purge valve to 200 + 10 Nm.

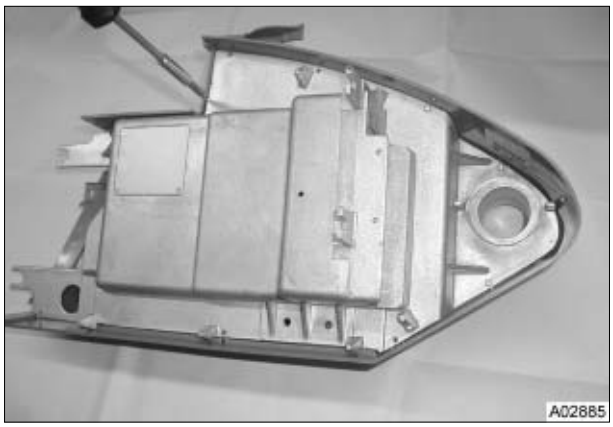
Note:
A new purge valve with radial groove (arrowed) is also supplied as a spare. Tighten to 250 + 20 Nm.



Note:
Filling with transmission oil using external oil-filling unit: Chapter 1080 Reg. G

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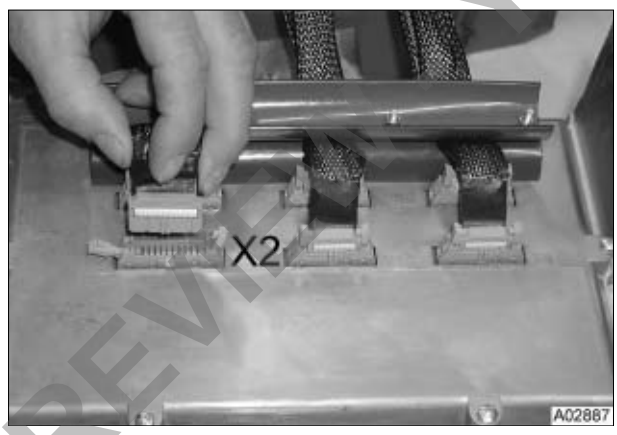
5. Fit control module in cab

(only in Fav 700 and 800 Vario without front power lift)

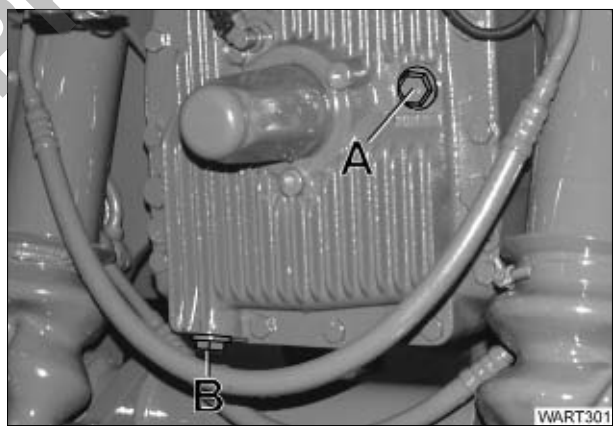
- Unscrew and disconnect control console.
- Remove 10 screws on rear.



- Insert control module and fasten using 2 screws.



- Fit plug of control module (X2).

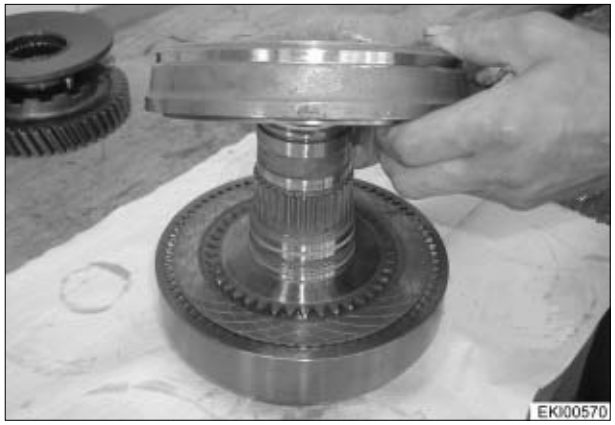


6. Concluding work

- Check oil level of front p.t.o.
Oil level should be full to overflowing at filler opening (A).
- Oil drain plug (B)
- Run tape-end programming.
- Adjust p.t.o. clutch (see Workshop Manual).

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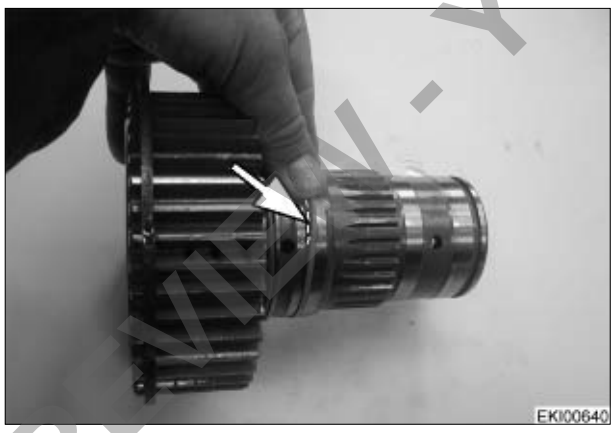
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Remove piston (18), piston disc (20) and supporting plate (23).



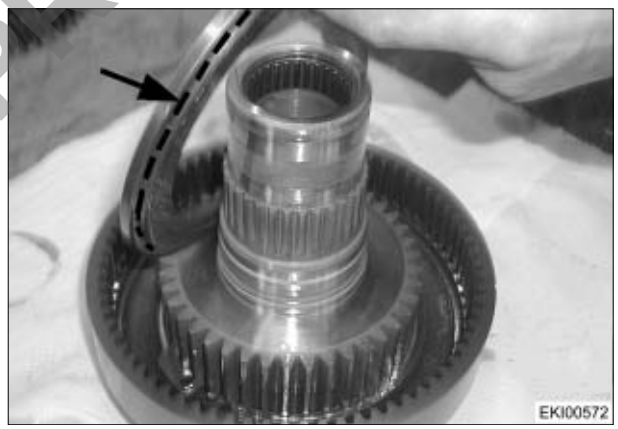
Remove disc package (30/31), supporting plate (32) and disc carrier (9).



Fitting front-wheel drive clutch:

Fit disc carrier (9) with new O-ring (21) and new lip seal (19).

Note:
Grease O-ring (9) and lip seal (21).
Groove (arrowed) in lip seal faces oil chamber.



Insert disc carrier (9) into clutch bell housing (25).

Fit supporting plate (32). Groove (arrowed) faces clutch bell housing (25).

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7. Performing PTO power measurement

The tractor must be operated at full load for at least 15 min. at an ambient temperature of 20°C to 25°C. In this time period, the engine, transmission and hydraulics will have attained temperatures that guarantee an adequately accurate final value for PTO power.

At ambient temperatures below 10°C, the warm-up time must be increased to at least 30 min.

The measured values must remain constant for at least one minute before recording, or the engine speed must not exceed +/- 1% of the set value.

During measuring, the following consumers:

- Compressor
- Generator
- Hydraulic pumps
- AC compressor

must be operated without load.

8. Evaluating the results of the measurements

If the measured PTO power lies within -5% of the max. perm. PTO power, it can be corrected to the maximum permissible value by adjusting the injection volume and does not require further testing.

If the measured values lie clearly below -5%, the following additional tests must be performed on the tractor:

- Measuring the injection volume or removing and setting the injection pump controller on the dynamometer.
- Measuring the boost pressure in the intake pipe
- Replacing the fuel filter
- Neutral circulating pressure from the steering pump and standby pressure from the hydraulic system control pump.

Power correction factor based on ambient temperature and air pressure according to ISO 1585

Only for aspirated engines

Parameter	Correction factor according to ISO 1585					
Air pressure (kPa)	99	97	95	93	91	89
Altitude above sea level (m)	0	200	400	600	800	1000
Ambient temperature (°C)						
0	0.979	0.982	0.985	0.988	0.991	0.994
10	0.988	0.991	0.993	0.996	0.999	1.003
20	0.996	0.999	1.002	1.005	1.008	1.011
25	1	1.003	1.006	1.009	1.012	1.015
30	1.004	1.007	1.01	1.013	1.016	1.019
35	1.008	1.011	1.014	1.017	1.02	1.023
40	1.012	1.015	1.018	1.021	1.024	1.027

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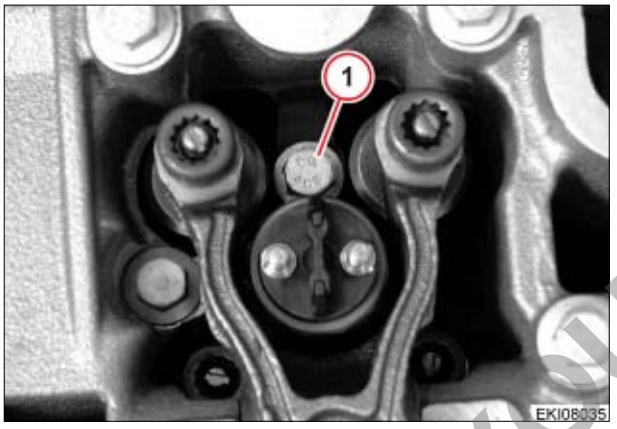
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Fendt 300 Vario FENDT 400 COM III FENDT 700/800 COM III	Engine / Injectors **Removing and installing injector**	**G**



EKI05158

Carefully insert injector in the clamping jaw and the cylinder head



EKI05158

Pretighten screw (1) on the clamping jaw

Pretighten = approx. 4 Nm

Note:

The injector must not be affected by axial forces

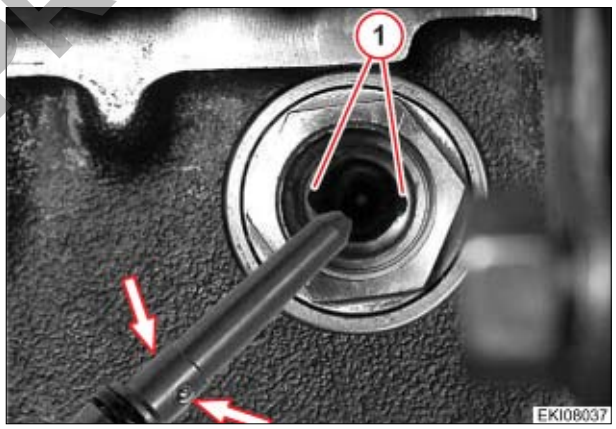


EKI05158

Pull on new round sealing ring (1)

Note:

As a rule, the inlet connector is to be replaced



EKI05158

Position inlet connector

The balls (arrowed) must fit in the groove (1) of the thrust piece

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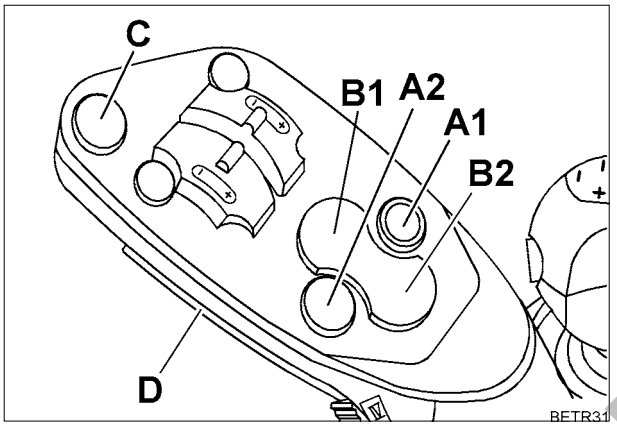
FENDT 700 Vario *FENDT 800 Vario* *FENDT 900 Vario*	Power lift / Electrohydraulic control EPC **Faults - electrics / electronic components EPC OBE**	**B**

Effects of faults: buttons for automatic operation

After fault warnings from following buttons,



EPC - automatic mode (on the A004 - control console)



C = Lift assembly stop button (front/rear)

B1 (automatic mode button) = Position: GO, 'Regulate'

B2 (automatic mode button) = Position: end, 'Lift'

A1 , A2 , D = no fault detection by the A014 - ECU, EPC OBE

it is only possible to return to automatic operation once the A014 - ECU has received fault-free message from the relevant button.

Automatic function - rear power lift		
Fault code	**Cause**	**Consequences and remedy**
5.1.91	A034 - joystick, automatic on/off key defective	Automatic mode rear not functioning
5.1.95	A034 - joystick, automatic mode stop key defective	Automatic switching on/off not possible

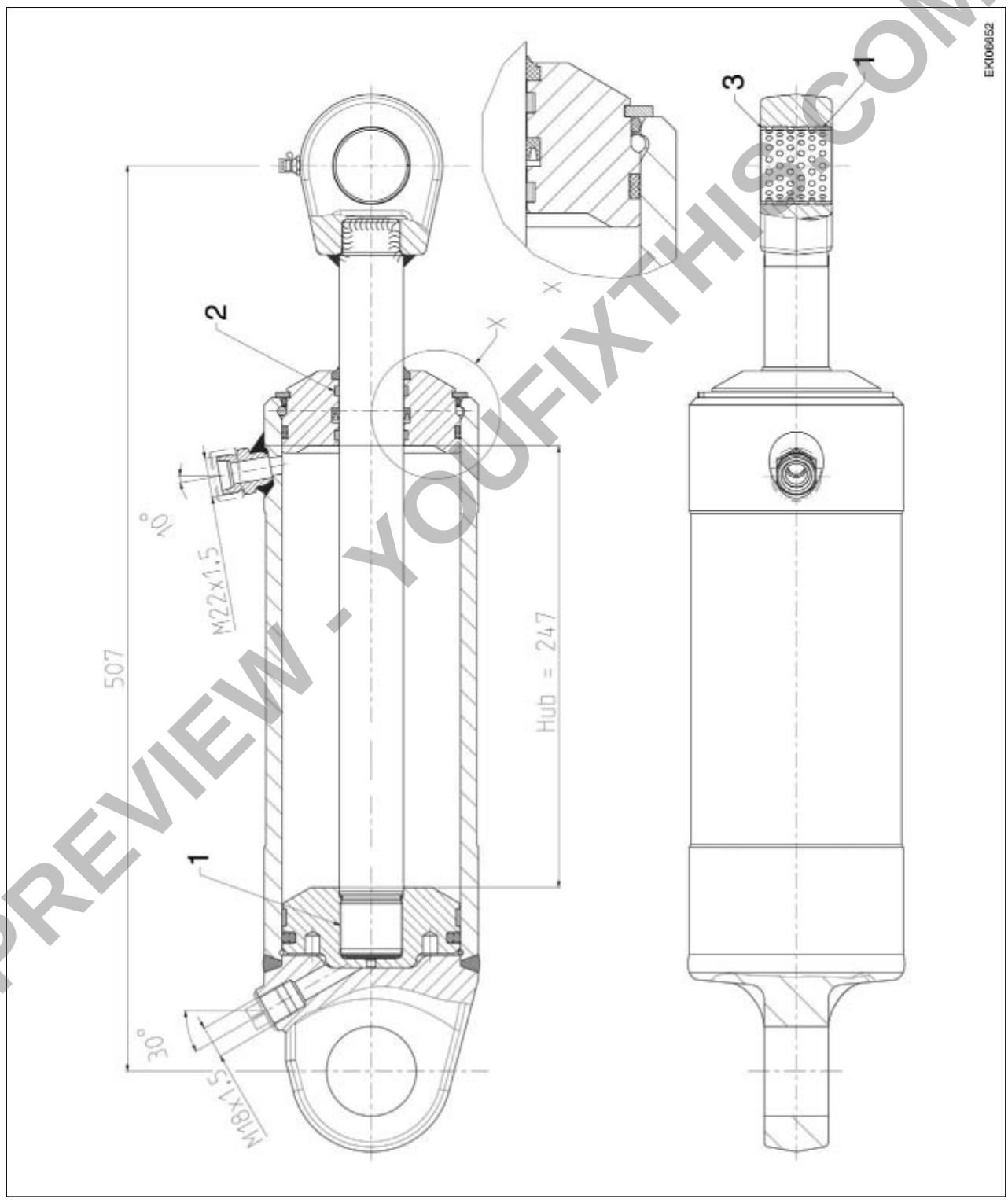
Fault classifications by the A014 - ECU, EPC OBE

Diagnostic function in the A014 - ECU, EPC OBE		
	Detect fault	
	Store fault	
	Fault weighting	
Serious faults	Intermediate faults	Minor faults
- control system stops - restart only possible by means of ignition switch	- control system stops - restart by unlocking	- control system continues working

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FENDT 718 COM III *FENDT 800 COM III*	Power lift / Controlled power lift **Lifting cylinder 36 / 100, 247 / 507**	**C**

Note:
only applies to the following tractor models:
FENDT 718 COM III 727/../....
FENDT 818 COM III 729/../....
FENDT 820 COM III 731/../....



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OVERALL SYSTEM/ELECTRICAL SYSTEM

Safety briefing - fuse holderX050, X051, F060-F067, A013

C

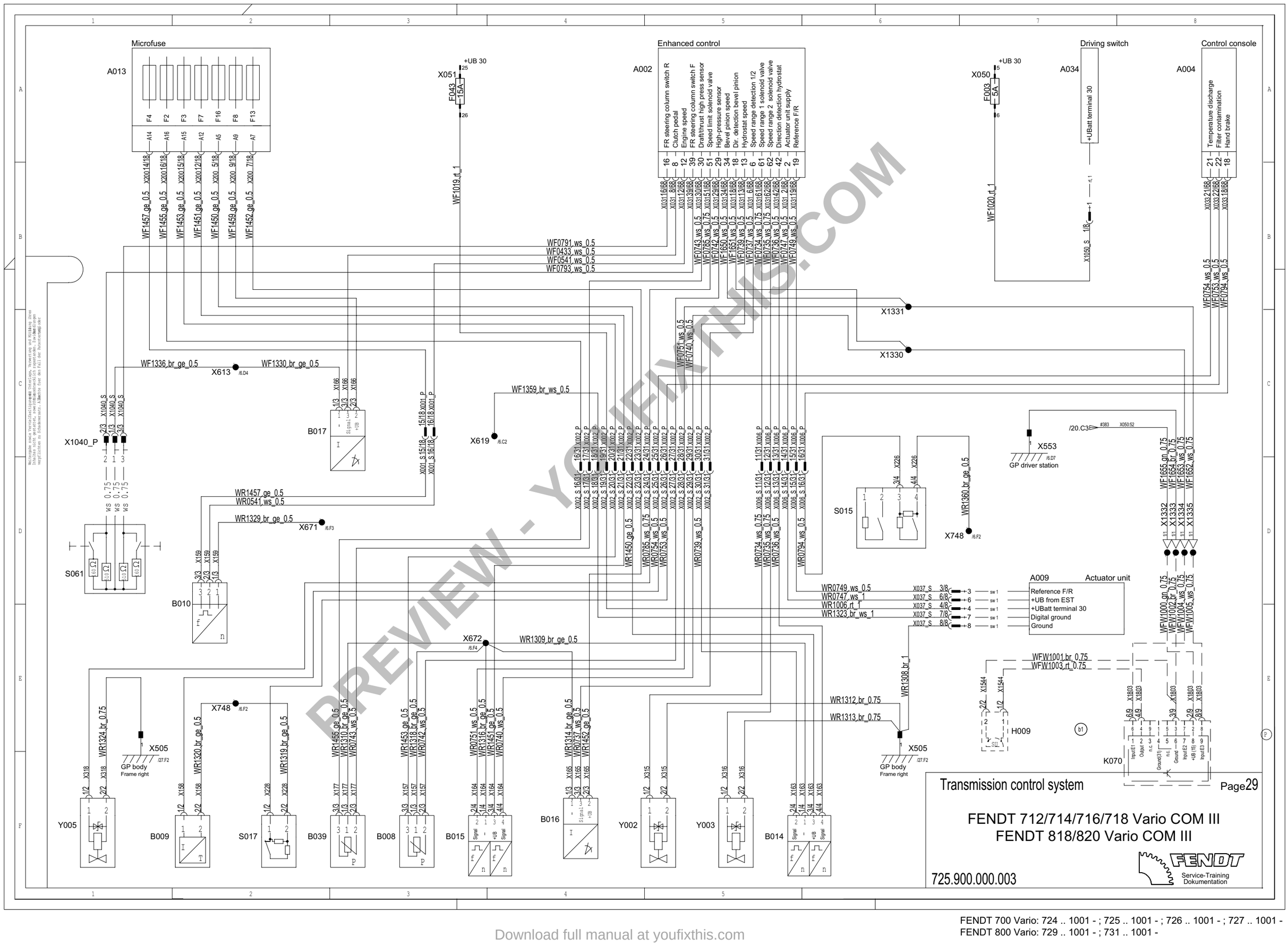
Fuse assignment, fuse holder (A013)

Fuse no.	Separation point	Component	Comp. Separation point
01	X200/18	ISO supply	X205, X1592
02	X200/16	2. High-pressure sensor	X177
03	X200/15	High-pressure sensor	X157
04	X200/14	Engine Hall sensor 1	X159
05	X200/10	-	-
06	X200/11	-	-
07	X200/12	Rotary position sensor, bevel pinion	X164
08	X200/09	Rotary position sensor, clutch pedal	X166
09	X201/14	-	-
10	X201/12	-	-
11	X201/11	Rotary position sensor, front power lift position	X188
12	X201/10	-	-
13	X200/07	Rotary position sensor, travel range detection	X165
14	X200/08	-	-
15	X200/04	-	-
16	X200/05	Speed sensor, hydrostatic drive collector shaft	X163
17	X200/06	Rotary position sensor, accelerator pedal	X898
18	X201/04	Rotary position sensor, suspension	X152
19	X201/05	-	-
20	X201/06	-	-
21	X201/07	-	-
22	X201/08	Hall sensor, front PTO	X151
23	X201/09	-	-
24	X201/18	-	-
25	X201/16	Compressed air sensor	X168
26	X201/15	Rotary position sensor, hand throttle	X183
27	X202/07	-	-
28	X202/06	-	-
29	X202/05	-	-
30	X202/04	-	-
31	X202/08	-	-
32	X202/09	Hall sensor, rear PTO	X169
33	X202/10	Hall sensor, rear PTO	X170

Service Training

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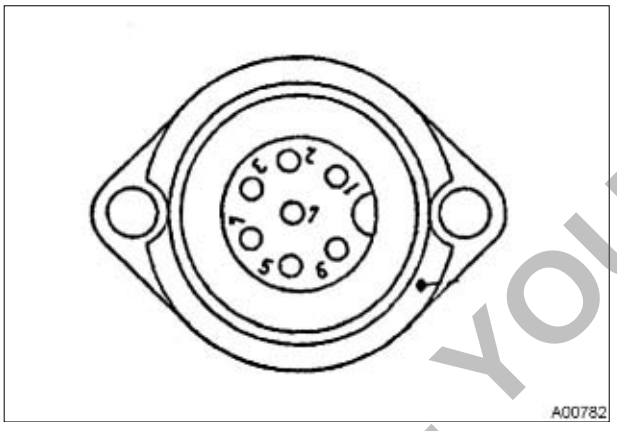
FENDT 700 Vario: 724 .. 1001 - ; 725 .. 1001 - ; 726 .. 1001 - ; 727 .. 1001 -
FENDT 800 Vario: 729 .. 1001 - ; 731 .. 1001 -

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Measuring the signal voltage on the X007 - implement socket



X007 - implement socket (7-pin)



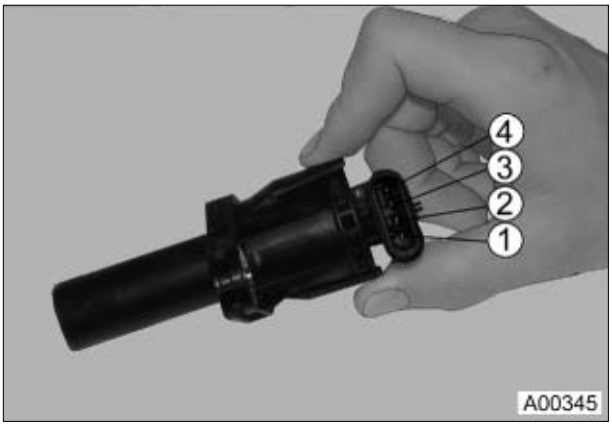
1 = Radar signal (optional)
2 = transmission signal
3 = Rear PTO speed
4 = Power lift status (quick lift switch)
5 = Not assigned
6 = On-board power supply +Vbatt 15
7 = Ground

Directly to X007 - implement socket				
Test	**Pin**	**Test condition**	**Specified value**	**Possible cause of fault**
Signal	1	Tractor driving slower than 0.5 km/h	12 - 14 VDC (Vbatt)	
Ground	7	... faster than 0.5 km/h	approx. 6.5 VDC (Vbatt/2)	

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FENDT 400 COM III *FENDT 700 COM III* *FENDT 800 COM III*	Electrics / General system **B015 - Sensor, bevel pinion**	**E**



Pin	Function
1	Ground
2	Speed signal
3	+ supply
4	Rotational direction sensor

Note:
Connect adapter cable X899.980.246.206 directly to component B015.
Ignition 'ON'.

Test	Pin	Specified value	Condition	Possible cause of fault
Supply	3	8.5 VDC		Microfuse (7) within A013 or within wiring
Ground	1			

Speed signal	2	3.0 VDC	Tractor moving at approx. 5 km/h	A) Reading 7.3 VDC: fault in component. B) Reading 0 VDC: - Unplug component - If reading is 0 VDC, fault in A002 (pin 34) or in wiring - If reading is 7.3 VDC - fault in component.
		1.0 VDC or 5.0 VDC	Tractor stationary	
Ground	1			

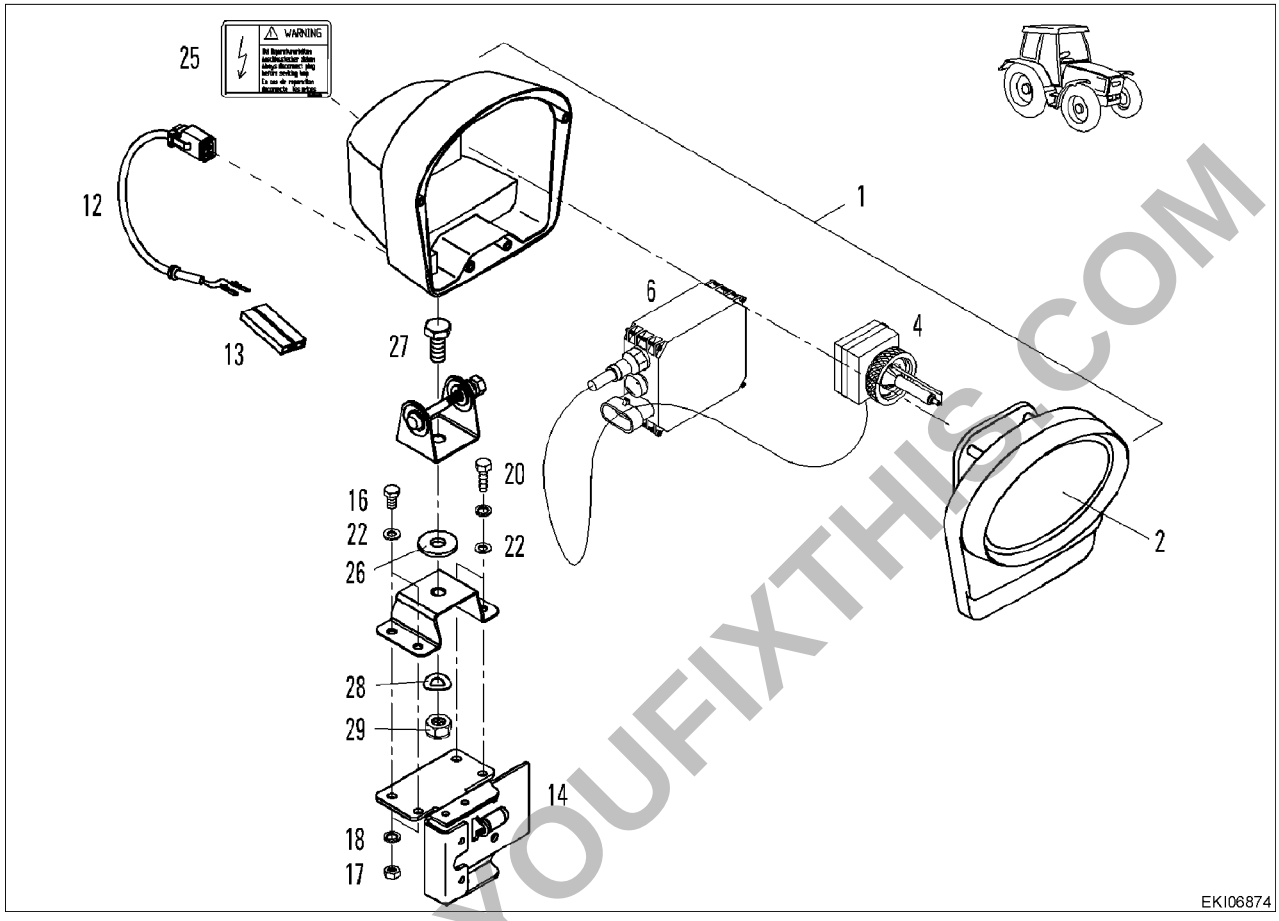
Rotational direction	4	2.4 VDC	Forwards at approx. 5 km/h	A) Reading 8.0 VDC: fault in component. B) Reading 0 VDC: - Unplug component - If reading is 0 VDC, fault in A002 (pin 18) or in wiring - If reading is 8.0 VDC fault in component.
		5.1 VDC	Reverse at approx. 5 km/h	
Ground	1			

Measuring points on A002 - ECU, enhanced control	Pin
Ground	1
Speed signal	34
Rotational direction	18

Note:
Chapter 9000 Reg. E Checking A002 - ECU, enhanced control

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FENDT 400 COM III FENDT 700 COM III FENDT 800 COM III	Electrics / General system **E015 / E016 / E017 / E018 - Work lights**	**E**



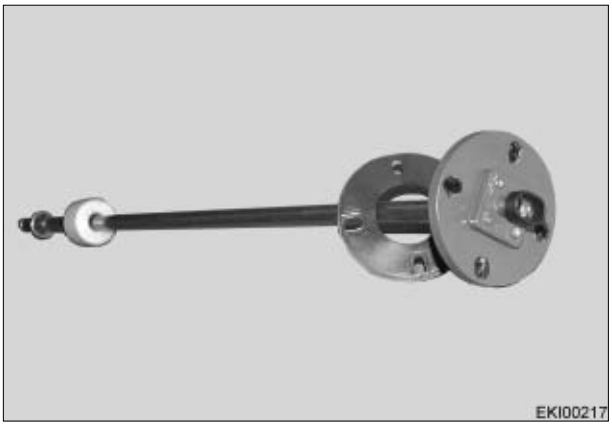
Item	Designation	Item	Designation
1	E015 - work light front	16	Hexagon screw
	E016 - work light front	17	Hexagon nut
2	Lamp housing	18	Spring washer
4	Gas discharge lamp "burner"	20	Self-tapping screw
	D2S 12V / 35 W	22	Washer
6	Ballast "ignitor"	25	Sticker
		26	Friction washer
12	Cable loom	27	Hexagon screw
13	Connector	28	Spring washer
14	Bracket	29	Hexagon nut

Note:
See also:
Chapter 9000 Reg. C - electr. circuit diagram (Sheet no. 14)
Chapter 9000 Reg. C - electr. circuit diagram (Sheet no. 15)

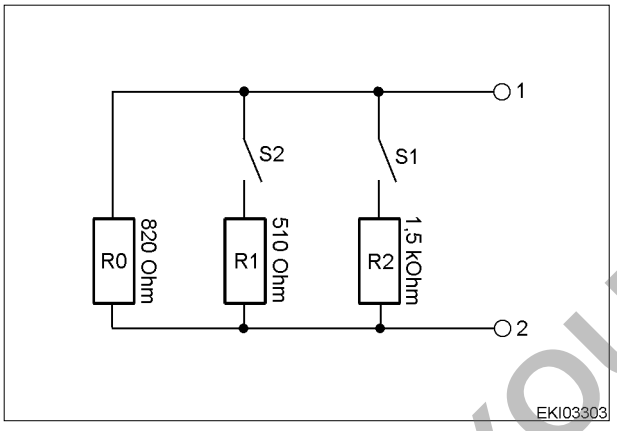
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FENDT 400 COM III FENDT 700 COM III FENDT 800 COM III	Electrics / General system **S036 - switch, hydraulic oil level indicator**	**E**



Pin	Function
1	Signal
2	Ground



Note:
Measure resistance directly at level sensor S036 with adapter cable X899.980.246.204.

Test	Pin	Specified value	Tank condition	Position of internal switches		Remark
				Switch 1	Switch 2	
Signal	1	820 ohms	Setpoint quantity	Open	Open	
		530 ohm	Minimum fill level	Closed	Open	Warning, flow volume of all valves is limited to 10 litres
		260 ohms	Empty	Closed	Closed	Fault code A.1.D9 - all valves lock
Ground	2					

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FENDT 400 COM III FENDT 700 COM III FENDT 800 COM III	Electrics / General system **Y032 - solenoid valve, control pressure**	**E**

Note:
Switch toggle switch on adapter box pin 52 to isolate and connect ammeter.
Ignition 'ON'.

Test	Pin	Specified value	Condition	Possible cause of fault
Power consumption	50	2.5 A	Engine speed 800 rpm, valves unlock	

All readings +/- 10%

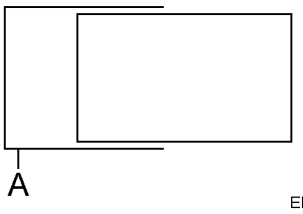
Note:
Chapter 9000 Reg. C - Circuit diagrams (Sheet No. 26)
Chapter 9000 Reg. E - A012 - ECU, enhanced control
Chapter 9620 Reg. A - End plate

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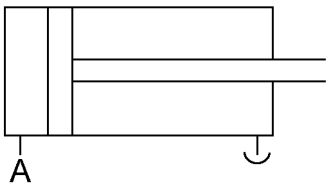
All types	Hydraulics / General system **Hydraulic system - hydraulic components**	**A**

Graphic symbols and designs



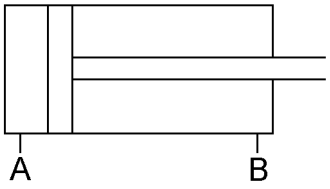
EKI02526

Plunger cylinders
One-sided action. Piston and rod have same diameter.
Example: brake cylinder



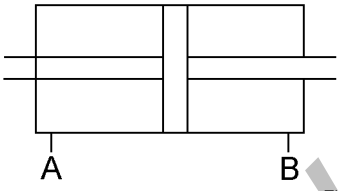
EKI02527

Single-acting cylinder with one-sided piston rod.
One-sided action. Return mechanism provided by external force.



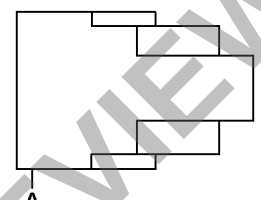
EKI02528

Double-acting cylinder with one-sided piston rod.
Two-sided action. Unequal piston surfaces.



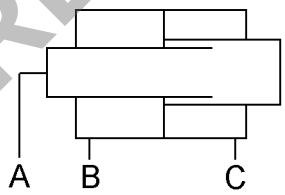
EKI02529

Synchronous cylinder with two-sided piston rod
Same piston surfaces in both directions of action.
Example: steering cylinder



EKI02530

Telescopic cylinders
Short design - long stroke



EKI02531

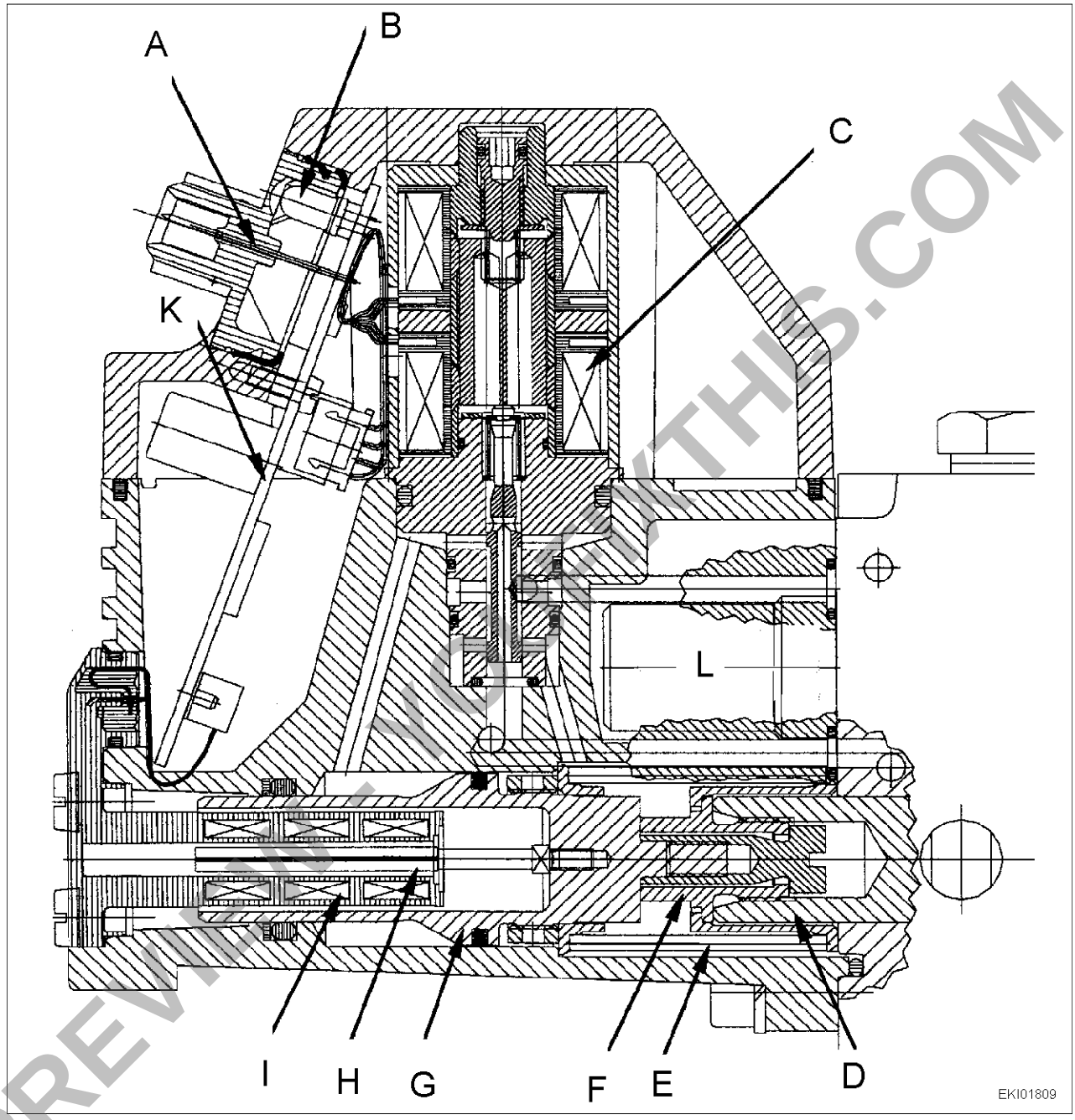
Special cylinders
Several active surfaces for fast motion, working cycle.
Example: presses

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FENDT 700 COM III FENDT 800 COM III	Hydraulics / Valve assemblies **Installation and removal of pilot valve**	**G**

Electrohydraulic actuator unit for control valve SB 23 LS-EHS



Item	Designation	Item	Designation
A	4-pin plug (supply and CAN-bus)	G	Actuating piston
B	Diagnostics LED	H	Bar core position sensor
C	Pilot valve	I	Coil position sensor
D	Directional control valve slide	K	PCB
E	Return spring	L	Space for pressure-relief valve
F	Adapter		

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FENDT 700 Vario FENDT 800 Vario FENDT 900 Vario	Electronics / LBS (Landwirtsch. Bus system) **ISO/LBS implement control**	**A**

Note:
Description is only valid for software status 7.53 (06/05) and terminal hardware version 6.00 (shown when terminal starts up) or part no. G 718.970.010.130 without camera, G 718.970.010.140 with camera

Implement control allows existing components (control terminal, joystick) to be used for controlling implements.

ESC key

The ESC key has a double function in Implement control.



A00456

Press key once (approx. 1 sec.) to return to previous function level.



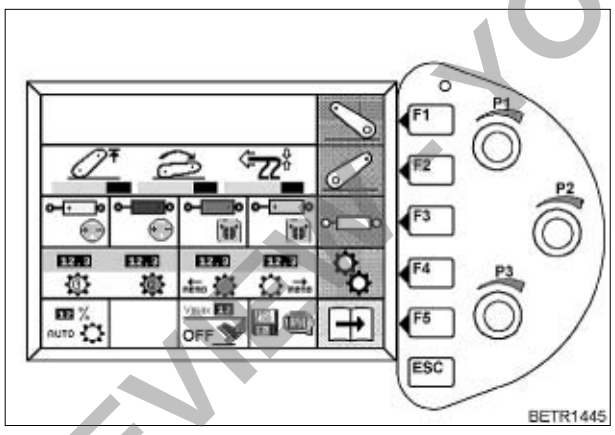
A00456

Press key twice to toggle between the last tractor control menu and the last activated implement control menu.
This function is only operational if an active implement is available.

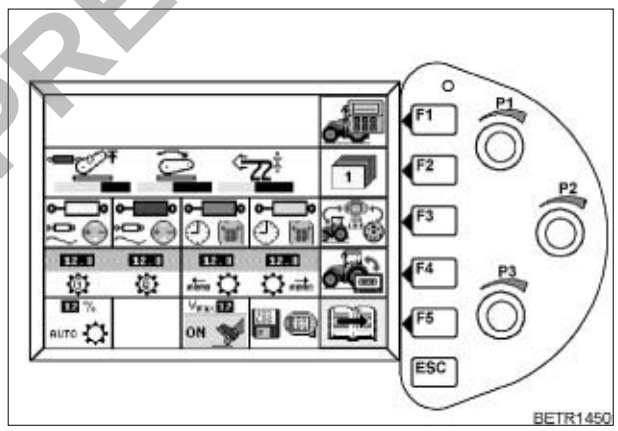
Note:
If a camera is connected (optional), pressing twice toggles between the tractor menu, implement menu and the camera function.

Assigning control terminal

ISO / LBS implements can be operated via the Varioterminal or a separate control terminal, for example Fieldstar. For this reason, it is necessary to tell the system which control terminal is to be used.



Press key (F5), the following submenu is displayed.



Press key (F5), the following submenu is displayed.

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