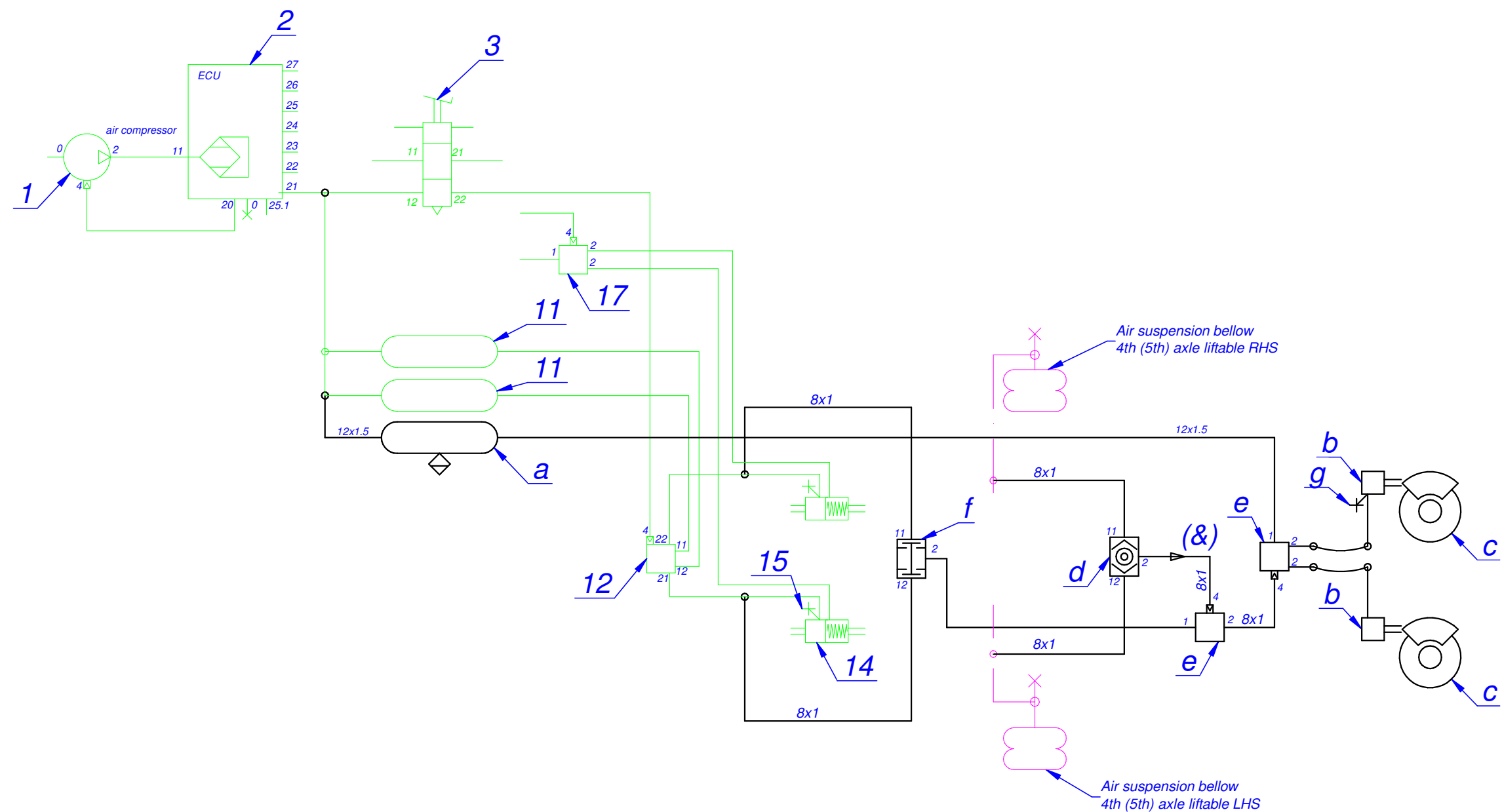




LEGEND

- 1 - Compressor
- 2 - Luchtbehandelingsunit
- 3 - Voetremventiel
- 11 - Luchtketel kring 1
- 12 - achterasmodulator
- 14 - Veerremcilinder achter
- 15 - Testaansluiting regelkring achteras
- 17 - Relaisventiel (parkeerrem achteras)

Components added to build 8x4 (or 10x4)

- a - Air tank 25 lt.
- b - Brake cylinder type 14".
- c - Disc brake.
- d - Double stop valve - utilizing Pmax.
- e - Relay valve.
- f - Double stop valve - utilizing Pmin.
- g - Pressure take-off control.

(&) command from
pneumatic air bellow of the
4th or 5th axle suspension

SERVICE BRAKE: pneumatic with pedal command on 8 (10) wheels;

EMERGENCY BRAKE: combined with the parking brake;

ENGINE BRAKE: mechanical with pneumatic spring control on the axles with parking brakes fitted; with independent command.

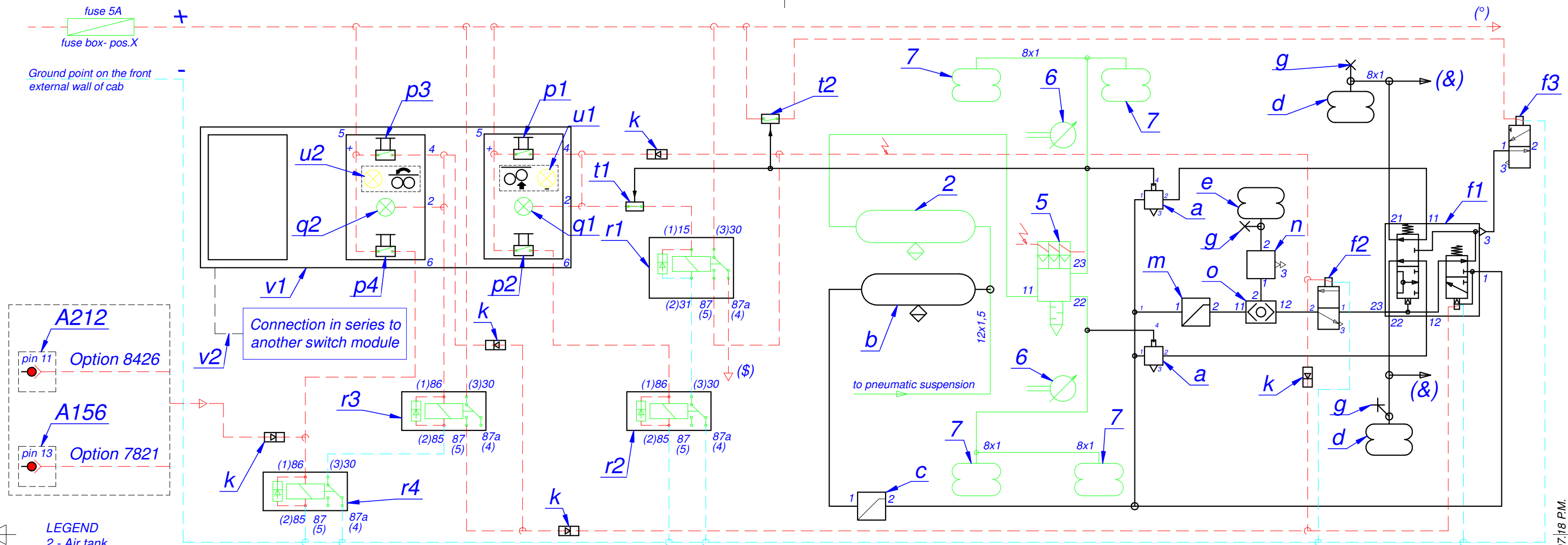
PNEUMATIC BRAKE SCHEME

Disegnato da F. Martini	Controllato da P. Martini	Data 09.02.2018	Scala	Quote senza indicazione di tolleranza secondo tabella UNI EN 22768/1, con grado di precisione	Formato disegno A3 UNI 936
 S.T. System Truck S.p.A. via Paesa 28 - I 46048 Roverbella (MN) tel. +39 0376 696809				TITOLO PNEUMATIC AND ELECTRIC SCHEME FOR DAF CF XF 6X4 FAT (OR 8X4 FAD) - DISC BRAKE - BUILT INTO 8X4 (OR 10X4) WITH LIFTABLE REAR 4th (5th) AXLE 9 TON & LOAD TRANSFER	
N° DISEGNO 25.01.05.0056				Modifica 3 del 23.01.19	Foglio 1/4

3 Added alternative for FAD 8X4. 23.01.19 P.M.

2 Added alternative for option 8426. 13.11.18 F.M.

1 Defined pressure switches adjustment and electrical system interventions. 16.07.18 P.M.



Components added to build the 4th or 5th rear axle

- a - Single command relay valve 1,2:1
- b - Air tank 25 lt with manual purge valve.
- c - Limiting valve (5.9 bar).
- d - Air bellow for rear axle suspension.
- e - Air bellow for rear axle lift function.
- f1 - Two section deviator valve with electrovalve N.C. (to command axle lift and load transfer function) (#) (@).
- f2 - Electrovalve to command axle lift (#).
- f3 - Electrovalve - load transfer control (@).
- g - Pressure take-off control.
- k - Diode.
- m - Limiting valve - 0.5 bar.
- n - Rapid release pneumatic valve.
- o - Double stop valve - utilizing Pmax.
- p1 - Rocker switch N.O. to command axle lift ON (#).
- p2 - Rocker switch N.O. to voluntary command axle lift OFF (#).
- p3 - Rocker switch N.O. to command load transfer ON (@).
- p4 - Rocker switch N.O. to voluntary command load transfer OFF (@).
- q1 - Warning light in cab: axle lift ON.
- q2 - Warning light in cab: load transfer ON.
- r1 - Electrical timer relay (delay detachment after 15"), contact N.O. - (insertion of rear axle lift function).
- r2 - Electrical relay, contact N.C. - (exclusion of rear axle lift function).
- r3 - Electrical relay, contact N.O. - (insertion of load transfer).
- r4 - Electrical relay, contact N.C. - (exclusion of load transfer).
- t1 - Pressure switch N.C. to exclude automatically axle lift function of the rear axle - 4.0 bar.
- t2 - Pressure switch N.O. - load transfer control - 6.0 bar.
- u - Switch search illumination
- v1 - Switch module (DAF 2127851)
- v2 - LIN network cable (DAF 2115933)
- A156 (pin 13) or A212 (pin 11) - Speed signal (see sheet 4/4): High with V >30 km/h2121

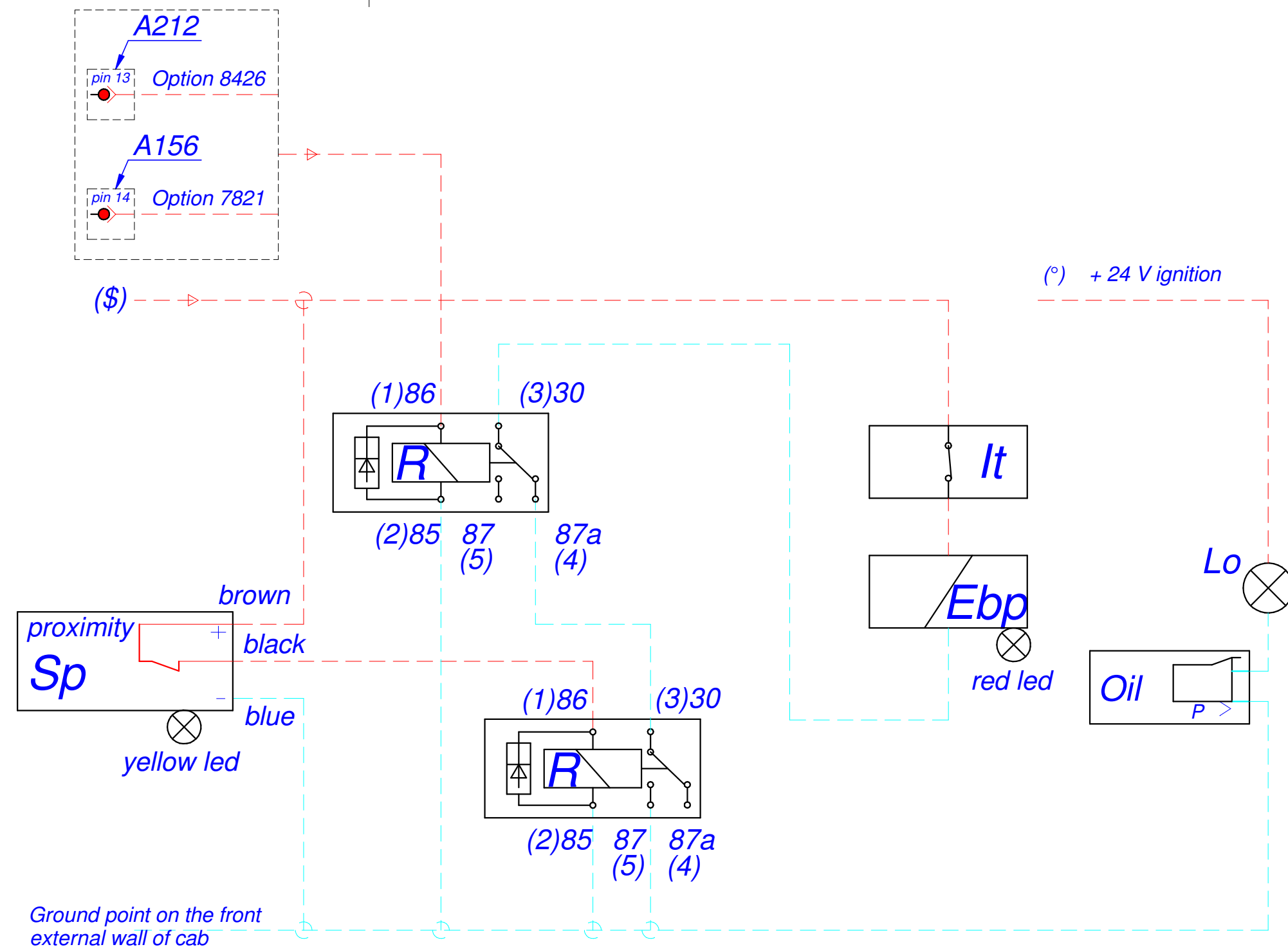
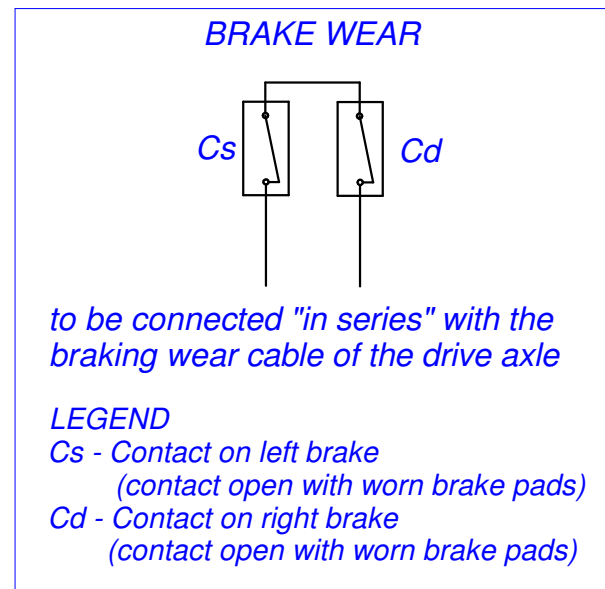
(#) Lifting device function: when the "p1" rocker switch is pressed, the relay "r1" is energized (auto-set) , commands the electrovalve "f1" and the deviator "f1": the rear axle lifts. If the pressure in the drive axle suspension reaches 4.0 bar or more, the pressure switch "t1" opens and the auto-set circuit of the the relay "r1" is interrupted, and after a 15 seconds delay the relay turns off: the axle drops to the ground. The voluntary exclusion of the axle lift function is controlled by the switch "p2" and by its relay "r2".

(@) Load transfer device function: when the "p3" rocker switch is pressed, the relay "r3" is energized (auto-set) and commands the deviator "f1": rear axle suspension air bellows are set into outlet modality. When the established overload limit on drive axles is reached, the "t2" pressure switch energizes the electrovalve "f3" that closes the air outlet. If the speed increases, at the limit of 30 km/h the system is switched off by the "r4" relay. The voluntary exclusion of the load transfer is controlled by the switch "p4" and its relay "r4".

PNEUMATIC AND ELECTRIC SUSPENSION SCHEME

Disegnato da F. Martini	Controllato da P. Martini	Data 09.02.2018	Scala	Quote senza indicazione di tolleranza secondo tabella UNI EN 22768/1, con grado di precisione	Formato disegno A3 UNI 936
 S.T. System Truck S.p.A. via Paesa 28 - I 46048 Roverbella (MN) tel. +39 0376 696809				TITOLO PNEUMATIC AND ELECTRIC SCHEME FOR DAF CF XF 6X4 FAT (OR 8X4 FAD) - DISC BRAKE - BUILT INTO 8X4 (OR 10X4) WITH LIFTABLE REAR 4th (5th) AXLE 9 TON & LOAD TRANSFER	N° DISEGNO 25.01.05.0056
Disegno di proprietà della S.T. System Truck S.p.A. Vietata la riproduzione non autorizzata. Property of S.T. System Truck S.p.A. Reproduction not permitted, all rights reserved.				Modifica 3 del 23.01.19	Foglio 2/4

3 Added alternative for FAD 8X4. 23.01.19 P.M.
2 Added alternative for option 8426. 13.11.18 F.M.
1 Defined pressure switches adjustment and electrical system interventions. 16.07.18 P.M.



LEGEND
 Sp - Proximity switch: for signaling the presence of a torque on the distributor lever (N.O.)
 R - Relay
 It - Thermal switch N.C. (90±5 °C)
 Ebp - Oil bypass valve (solenoid) (N.O.)
 Oil - Oil tank low level indicator
 Lo - Low oil level yellow warning LED
 A156 (pin 14) or A212 (pin 13) - Parking brake signal (see sheet 4/4): High with parking brake engaged

(+) from fuse box position X, page 1/4

(\$ from relay "r1" of the pneumatic suspension scheme, page 2/4

RELAY "R" CONTACTS:
 30 - 87 NORMALLY OPEN (NO)
 30 - 87a NORMALLY CLOSED (NC)

STEERING SYSTEM ELECTRIC SCHEME

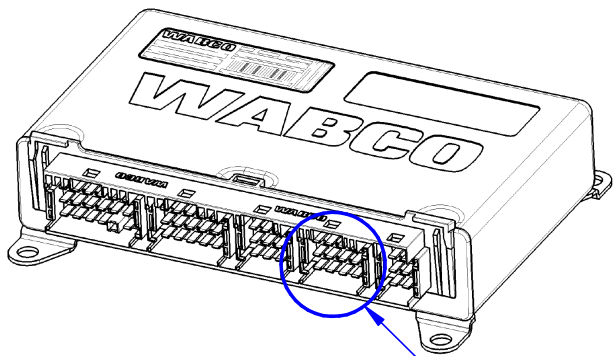
Disegnato da F. Martini	Controllato da P. Martini	Data 09.02.2018	Scala	Quote senza indicazione di tolleranza secondo tabella UNI EN 22768/1, con grado di precisione	Formato disegno A3 UNI 936
S.T. System Truck S.p.A. via Paesa 28 - I 46048 Roverbella (MN) tel. +39 0376 696809				TITOLO PNEUMATIC AND ELECTRIC SCHEME FOR DAF CF XF 6X4 FAT (OR 8X4 FAD) - DISC BRAKE - BUILT INTO 8X4 (OR 10X4) WITH LIFTABLE REAR 4th (5th) AXLE 9 TON & LOAD TRANSFER	
N° DISEGNO 25.01.05.0056				Modifica 3 del 23.01.18	Foglio 3/4

3 Added alternative for FAD 8X4. 23.01.19 P.M.
 2 Added alternative for option 8426. 13.11.18 F.M.
 1 Defined pressure switches adjustment and electrical system interventions. 16.07.18 P.M.

PARAMETER LIST NECESSARY TO ACTIVATE "Body Builder Signals" ON CONNECTOR A156 / A212
- Ordering the vehicle select option "Application connector generic" (8426) or, if the Body Builder Module (BBM) is present, select option "Analogue body signals and warnings (7821)"
- TO REQUEST THE PROGRAMMING COMPILE THE "CF - XF: Customer Parameter Change Form" AS FOLLOW:

Customer parameter code	Output	Signal ID number 0-30 (§)	Threshold value	Function [%], [km/h], [rpm], [°C]	Activation Condition [>], [<]	Activation pin on connector A156 (option 7821 selected)	Activation pin on connector A212 (option 8426 selected)
1-260	1	1				13	11
1-261			30	km/h	>		
1-262	2	2				14	13
1-263			---	---	---		
1-264	3	---				15	15
1-265			---	---	---		
1-266	4	---				17	1
1-267			---	---			

(§) Signal ID related function:
- 1: Vehicle speed (hysteresis on switch off = 3 km/h)
- 2 : Park brake



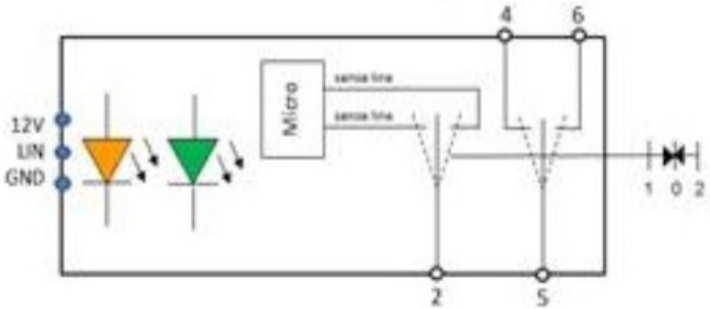
Remove cables from pins nr. 2, 5, 9, 12 from connector x4 (12 ways) from EBS control module (in the dashboard)



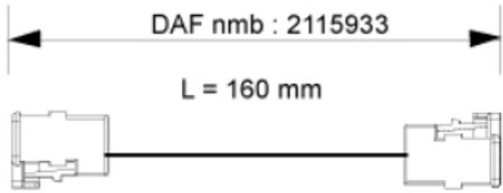
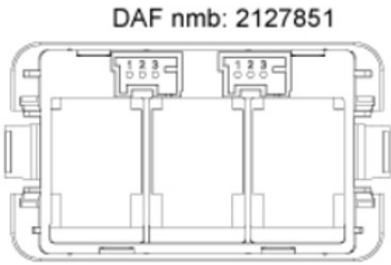
Only for original 6x4 versions
Remove the ESC control module from chassis and apply closing cap to the harness.

Code	Description	Qty
2141416	PULS. PER COMANDO TRASPOSITORE - DAF - (UTILIZZATA LA COVER)	1
2141417	PULS. PER COMANDO SOLLEVATORE - DAF - (UTILIZZATA LA COVER)	1
2109658	INTERRUTTORE CABLATO - DAF - ON / OFF / ON (UTILIZZATO PER SOLLEVATORE CON LA COVER DI 2141417)	1
2127908	INTERRUTTORE CABLATO - DAF - ON / OFF / ON (UTILIZZATO PER TRASPOSITORE CON LA COVER DI 2109658)	1
2127851	MASCHERA SUPPORTO INTERRUTTORI - DAF	1
2127852	TAPPO SLOT VUOTO - DAF	1
2115933	CAVO PER COLLEGAMENTO DI RETE LIN - DAF	1

DAF P/N	IMAGE I SYMBOL No.
2141416	17
2141417	16



Code: 2109658 / 2127908



PARAMETERS LIST AND ELECTRICAL ORIGINAL COMPONENTS USED

Disegnato da F. Martini	Controllato da P. Martini	Data 09.02.2018	Scala	Quote senza indicazione di tolleranza secondo tabella UNI EN 22768/1, con grado di precisione	Formato disegno A3 UNI 936
Disegno di proprietà della S.T.System Truck S.p.A. Vietata la riproduzione non autorizzata.				TITOLO PNEUMATIC AND ELECTRIC SCHEME FOR DAF CF XF 6X4 FAT (OR 8X4 FAD) - DISC BRAKE - BUILT INTO 8X4 (OR 10X4) WITH LIFTABLE REAR 4th (5th) AXLE 9 TON & LOAD TRANSFER	
S.T. System Truck S.p.A. via Paesa 28 - I 46048 Roverbella (MN) tel. +39 0376 696809				N° DISEGNO 25.01.05.0056	Modifica 3 del 23.01.19
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3 Added alternative for FAD 8X4. 23.01.19 P.M.
2 Added alternative for option 8426. 13.11.18 F.M.
1 Defined pressure switches adjustment and electrical system interventions. 16.07.18 P.M.