M-X 30-2/4 / M-X 50-2/4 - Serie 3 Euro 3

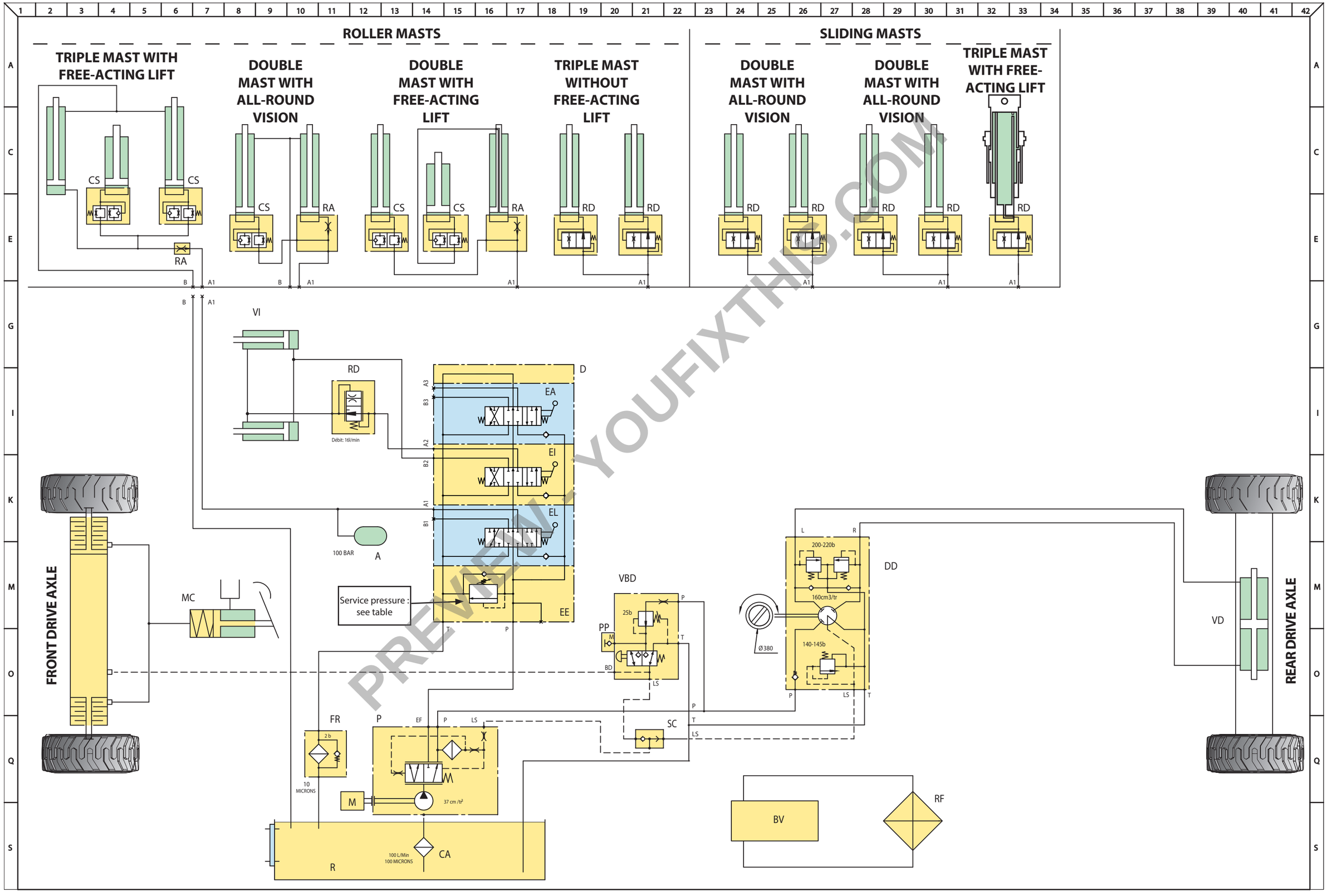
KEY ELECTRICAL COMPONENTS

Components		
Item	**Designation**	**Position on diagram**
E1	Rear right hand indicator light	G36
E2	Front right-hand indicator light	G36
E3	Rear left-hand indicator light	G37
E4	Front left-hand indicator light	G38
E5	Left hand brake light	Q24
E6	Right hand brake light	Q24
E7	Rear right position light	Q4
E8	Front right position light	Q4
E9	Rear left position light	Q5
E10	Front left position light	Q5
E11	Front left dipped headlight	Q6
E12	Front right dipped headlight	Q6
E13	Front left headlight	Q8
E14	Front right headlight	Q9
E15	Rear right working light (option)	Q14
E16	Rear left working light (option)	Q15
E17	Front right working light (option)	Q16
E18	Front hand working light (option)	Q17
E19	Rotating beacon light (option)	Q27
E20	Right reverse light option	G25
E21	Left reverse light option	G25
E22	Roof light	Q28
F1	Stalk switch supply 15 A (option)	K7
F2	Warning light 10 A (option)	C41
F3	Rear windscreen wiper	K13
F4	Rear working lights (option)	K14
F5	Front working lights (option)	K16
F6	Heating 15 A (option)	K18
F7	Indicator lamp module - fuel gauge	C9
F8	Front windscreen wiper	K20
F9	Flashing unit power supply 10 A (option)	C41
F10	Transmission	C33
F11	Horn + Stop lights	K24
F12	Rotating beacon light (option)	K27
F13	Right hand position light 5 A (option)	M4
F14	Left hand position light 5 A (option)	M5
F15	Right indicator light 7,5 A (option)	E36
F16	Left indicator light 7,5 A (option)	E37
F17	Dipped headlight 10 A (option)	M6
F18	Main beam + main beam indicator lamp 10 A (option)	M8
F19	Roof light 5 A (option)	K28
F20	Free	K30
F21	Free	K31
F22	Free	K33
F23	Free	K34
F24	Rear axle 4WD dog-clutch electrovalve (according to version)	K35
F25	Starter (25 A)	E4

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HYDRAULIC DIAGRAM (M-X 30-2/4 Serie 3)



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STANDARD TIGHTENING TORQUES

Standard tightening torque to be used when not otherwise indicated in the removal and refitting operations:

- The following tightening torques are given for hexagon head screws without flanges and cylinder head hexagon socket screws.
- The torques are given for a friction coefficient of μ = 0,20 corresponding to dry-fitted zinc-plated fasteners and for torque tools having a ± 20 % class C tightening torque accuracy (equivalent to pneumatic screwdrivers).

Assembling Screw / Nut Standard NF E 25-030-1:

Couple de serrage en N.m (±20%)					
Ø x Pas «gros»	**Classe 8,8**	**Classe 10.9**	**Ø x Pas «fin»**	**Classe 8,8**	**Classe 10.9**
M3 x 0,5	1	1,5	-	-	-
M4 x 0,7	2,4	3,5	-	-	-
M5 x 0,8	4,8	7,1	-	-	-
M6 x 1	8,2	12,1	-	-	-
M8 x 1,25	20	30	M8 x 1	22	32
M10 x 1,5	40	59	M10 x 1,25	43	63
			M10 x 1	46	68
M12 x 1,75	69	102	M12 x 1,5	74	108
			M12 x 1,25	78	115
M14 x 2	111	163	M14 x 1,5	123	181
M16 x 2	175	256	M16 x 1,5	190	279
M18 x 2,5	240	352	M18 x 1,5	279	410
M20 x 2,5	341	501	M20 x 1,5	391	574
M22 x 2,5	470	691	M22 x 1,5	531	780
M24 x 3	588	864	M24 x 2	659	967
M27 x 3	874	1284	M27 x 2	965	1418
M30 x 3,5	1181	1735	M30 x 2	1351	1984
M33 x 3,5	1614	2371	M33 x 2	1821	2674
M36 x 4	2068	3037	-	-	-

For hexagon screws with flanges:
Apply a torque of accuracy + 10%.
(Standard NF E 25-030-1)



If using washers, apply the following coefficient (FD E 25-502):
- Smooth tapered: +5%
- Spring (or Grower) washer without jaws (W): +10%
- Conical, internal teeth (CDJ-JZC): +15%

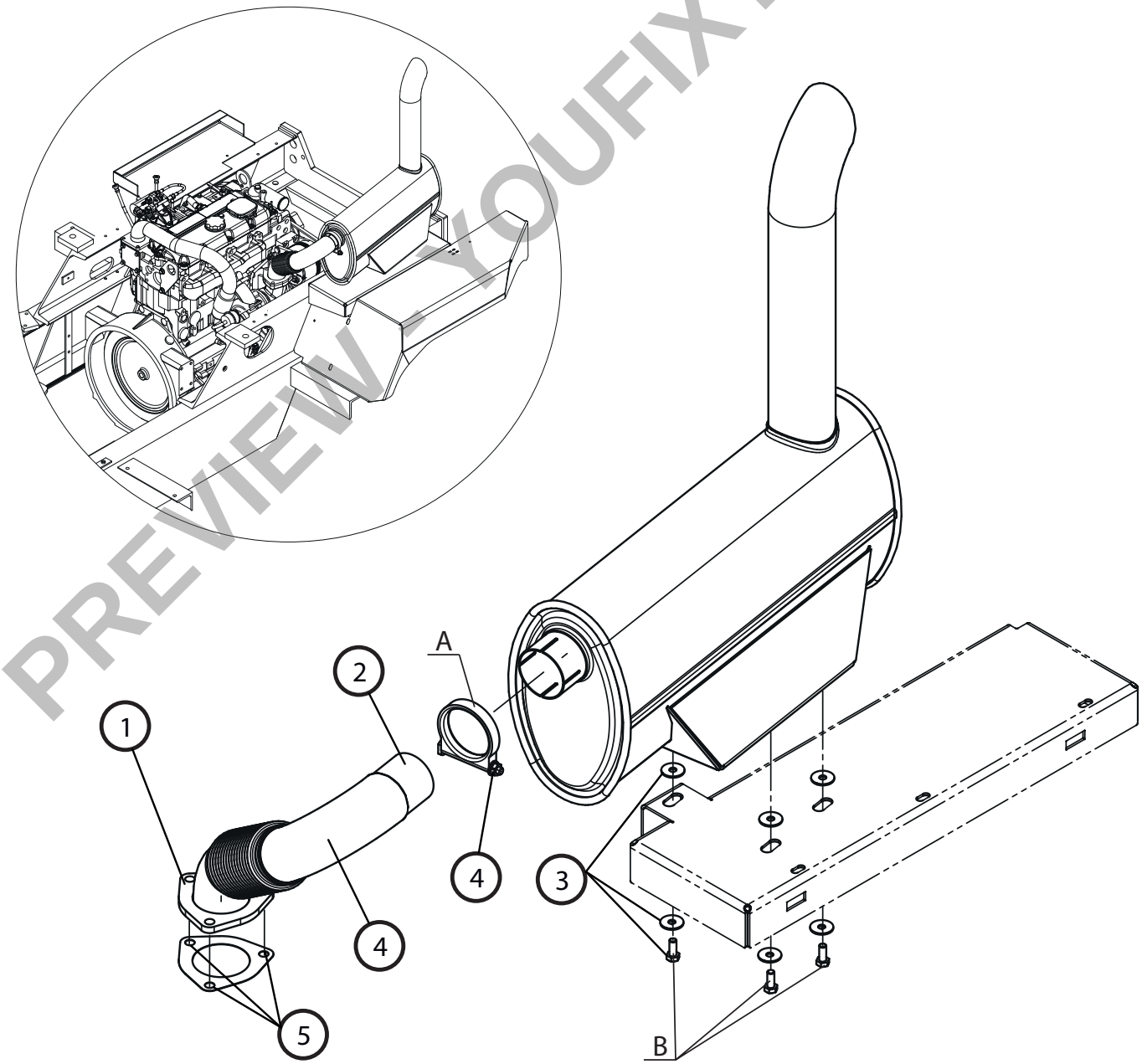
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EXHAUST ASSEMBLY

M-X 30-2/4
M-X 50-2/4 série3
M-X 70-2

1 - Attach the compensator to the engine outlet.
2 - Insert the compensator into the silencer without tightening the clamp (A).
3 - Position the silencer on the truck and slightly tighten the screws (B).
4 - Turn the elbow entering the silencer to align the coils.
5 - Check that the compensator is installed without restraint in each of its 3 axes.
6 - Tighten the clamp (A) and the screws (B).

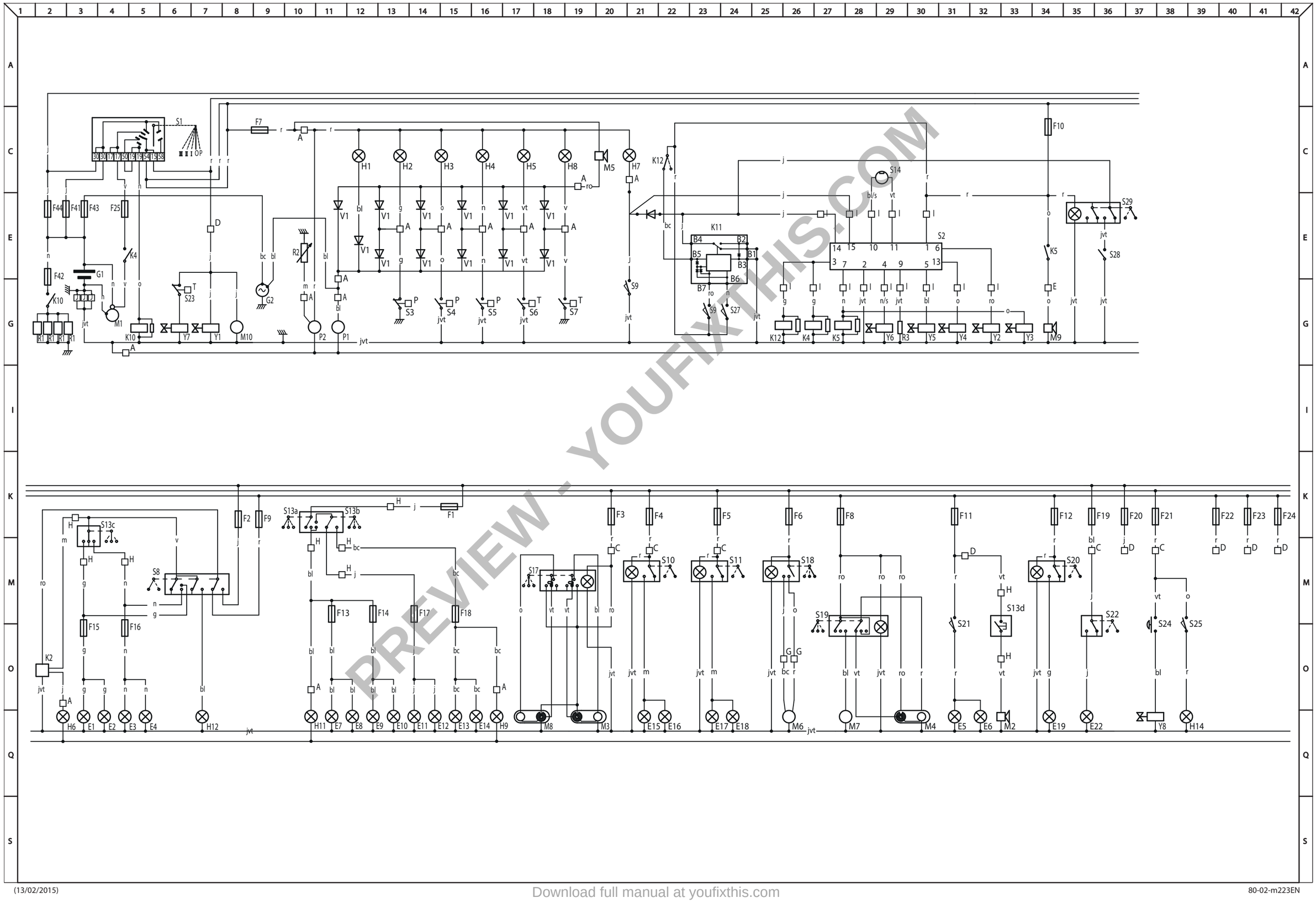


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ELECTRICAL SCHEMATIC DIAGRAM

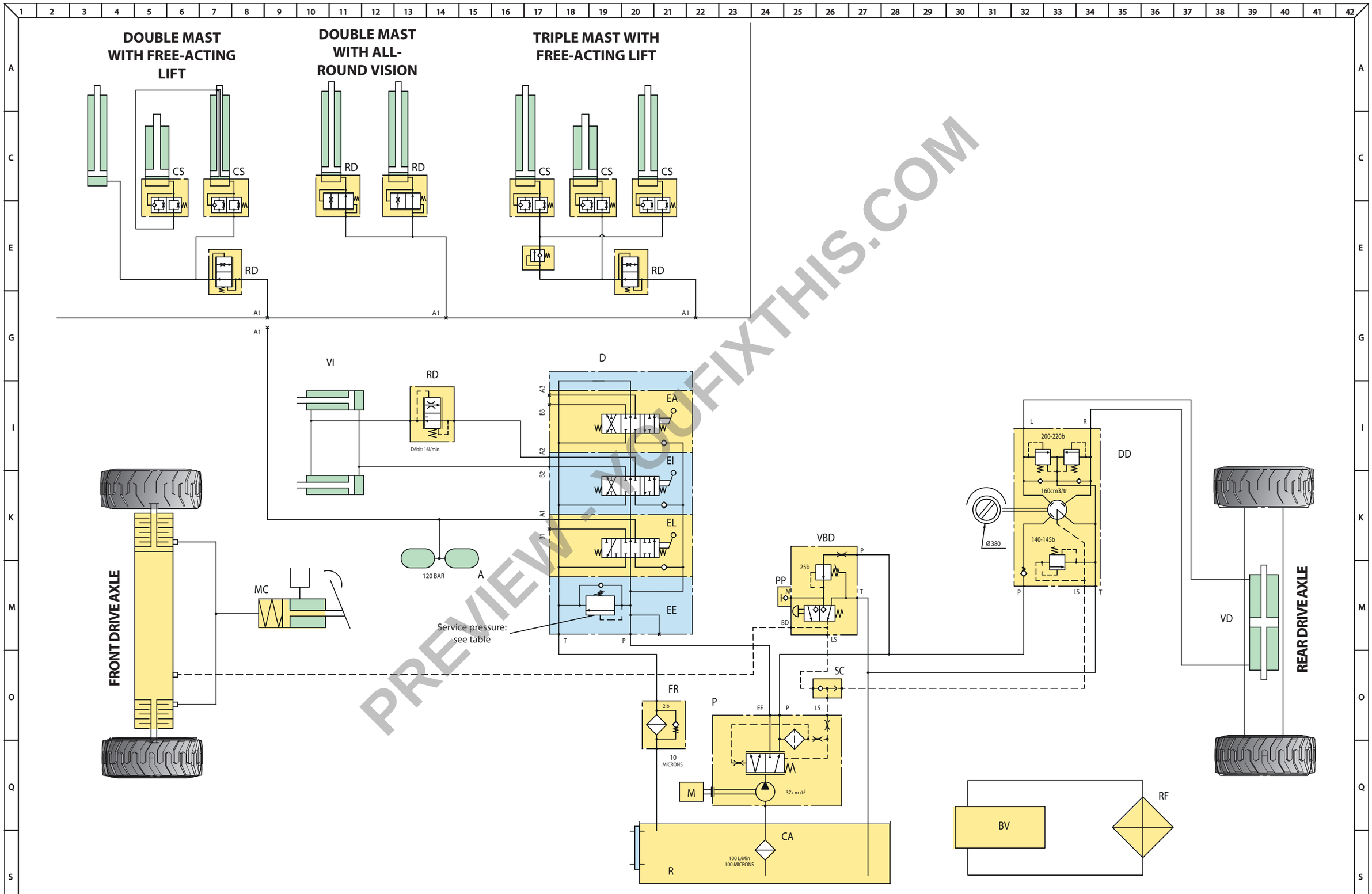
M-X 70-2 Serie 3 Euro 3



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HYDRAULIC DIAGRAM (M-X 50-2/4 Serie 3)

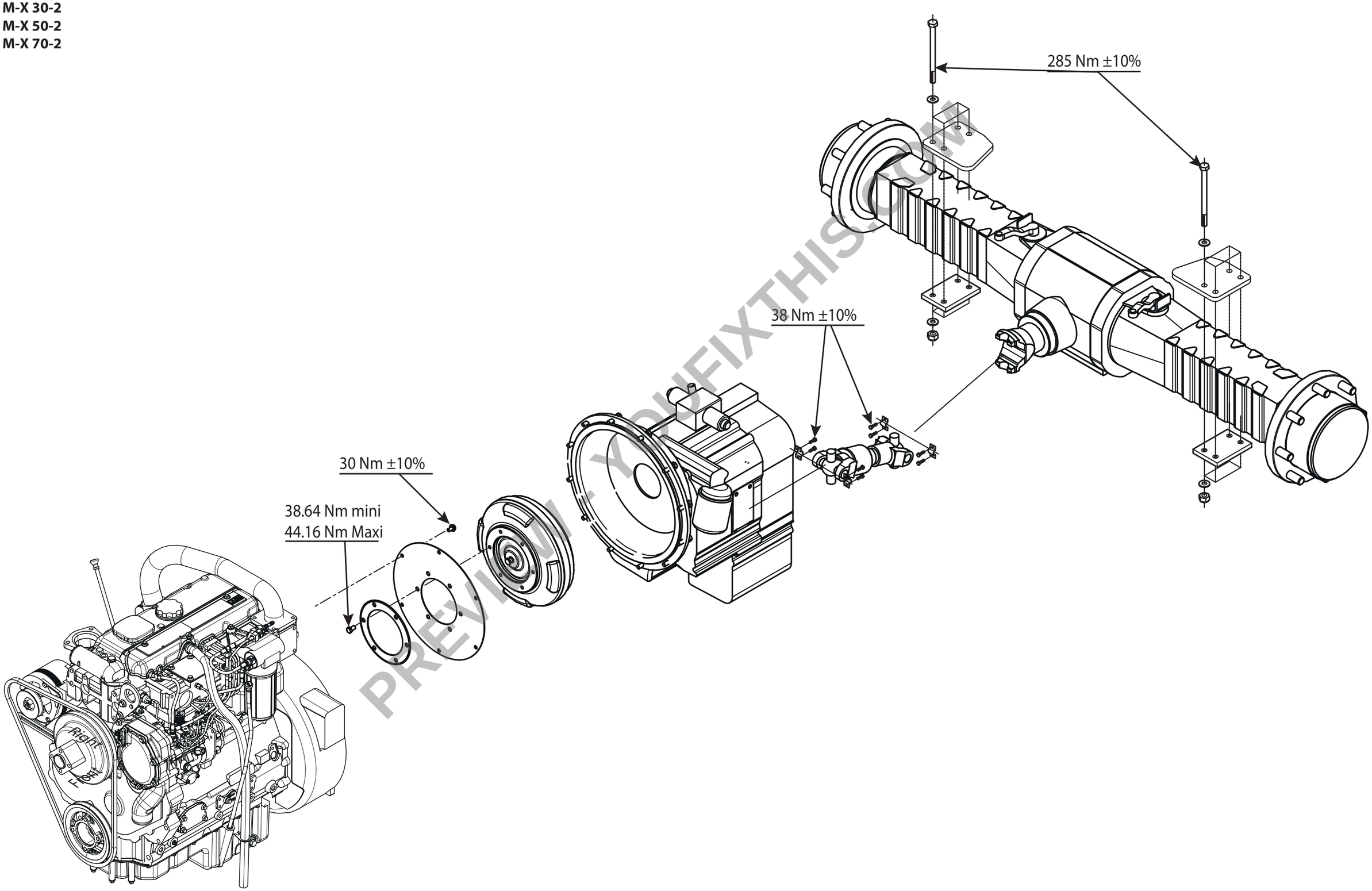


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COMPLETE TRANSMISSION TIGHTENING TORQUES

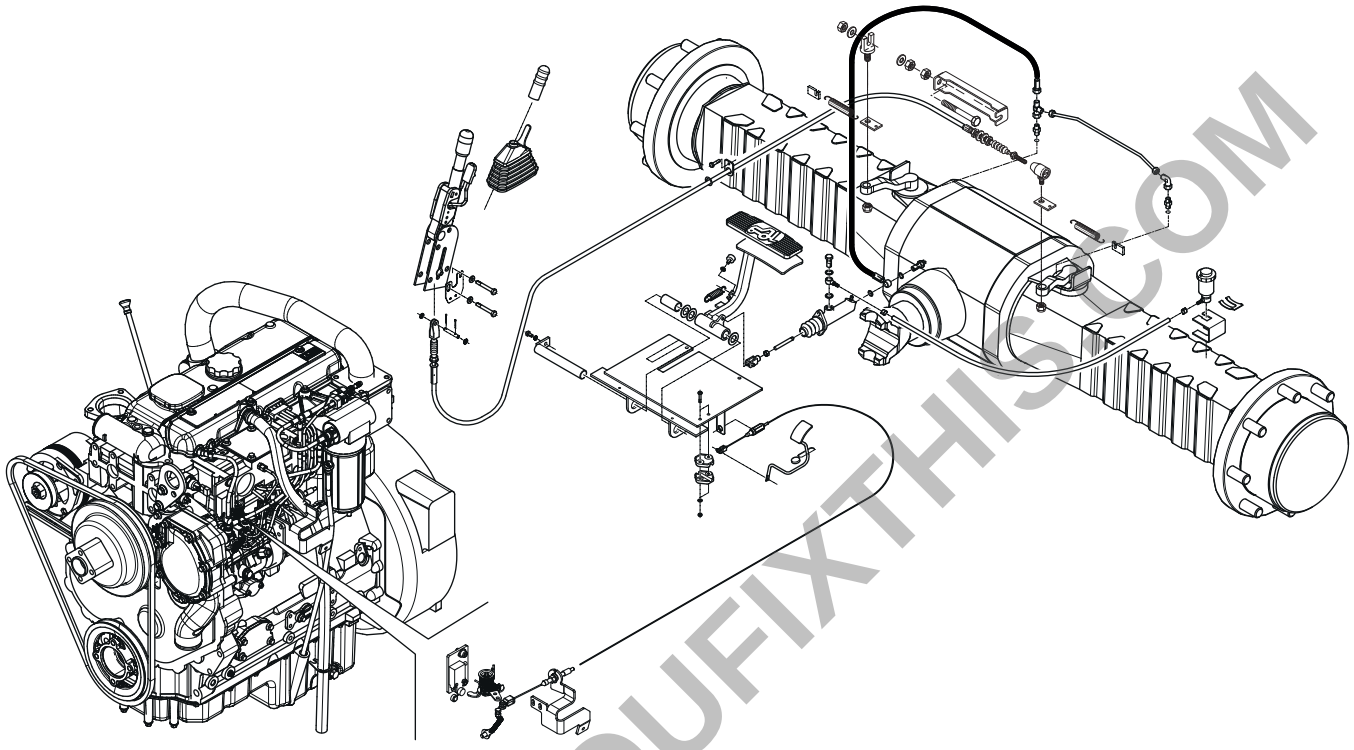
M-X 30-2
M-X 50-2
M-X 70-2



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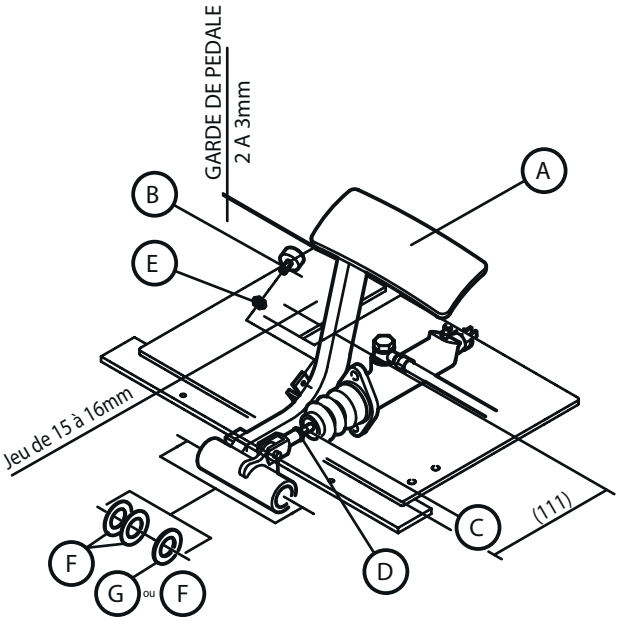
M-X 30-2/4 / M-X 50-2/4



BRAKE PEDAL ADJUSTMENT PROCEDURE

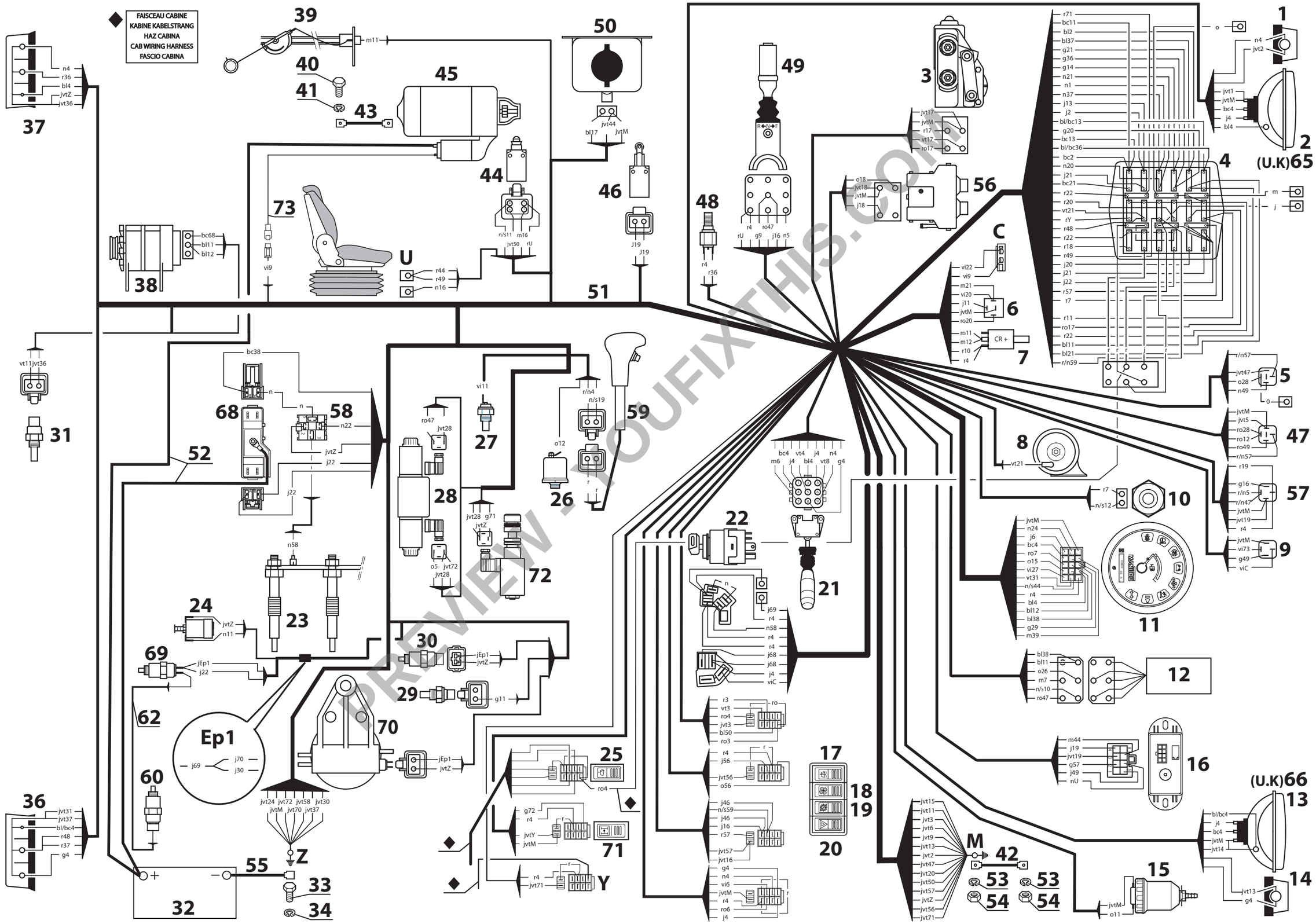
- Set the height of brake pedal A by means of the stop B (15 to 16 mm clearance between the floor and the pedal lever)
- Adjust the free travel of the brake pedal A (turn the push rod C until it comes into contact with the piston of the master cylinder, then turn a half to three-quarter turn in the opposite direction
- Tighten locknuts(D) and (E)

note: the adjustment washers F (1 mm) and G (2 mm) must be installed on one side or the other of the pedal axle to obtain sufficient clearance between the pedal arm and the pedal support



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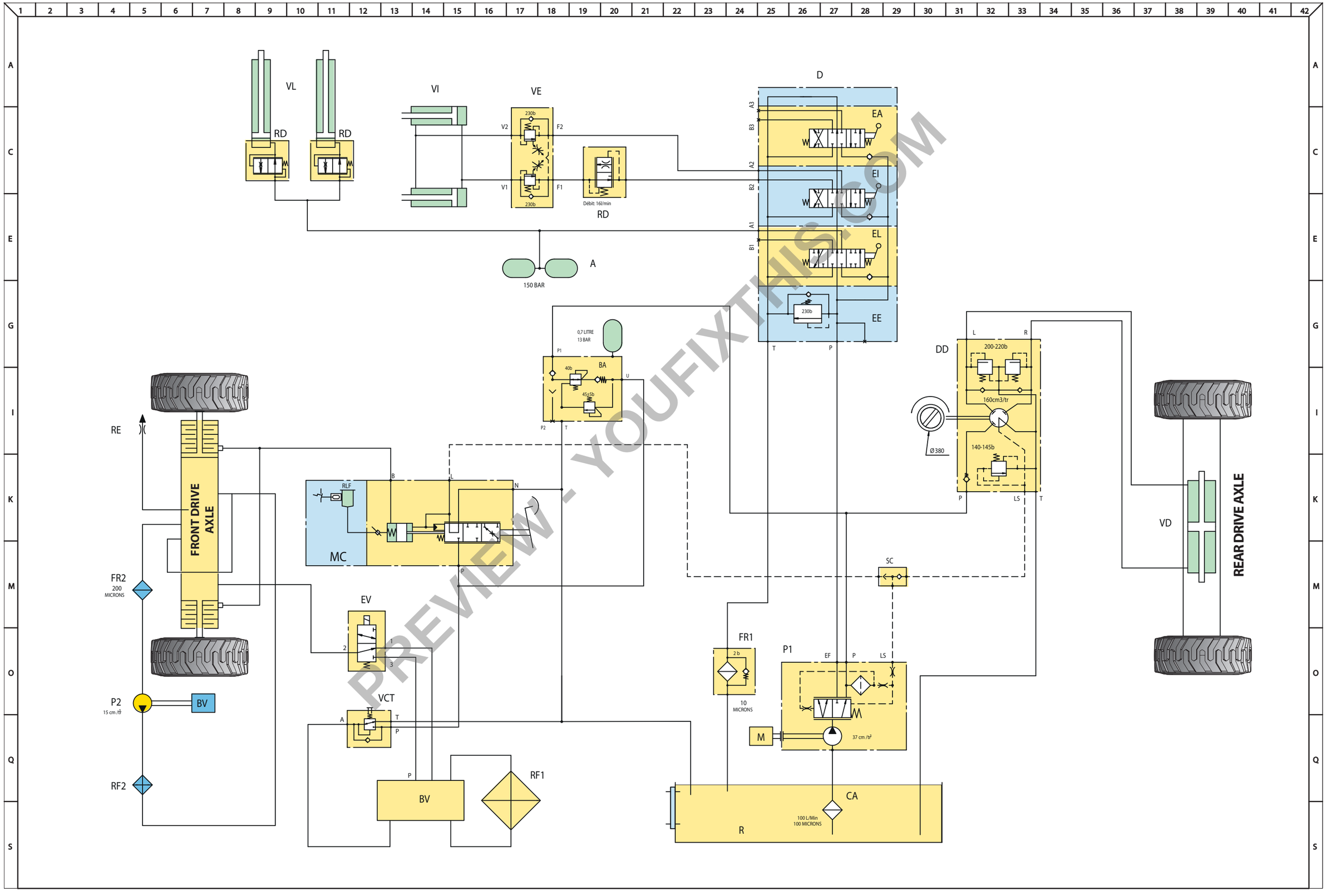
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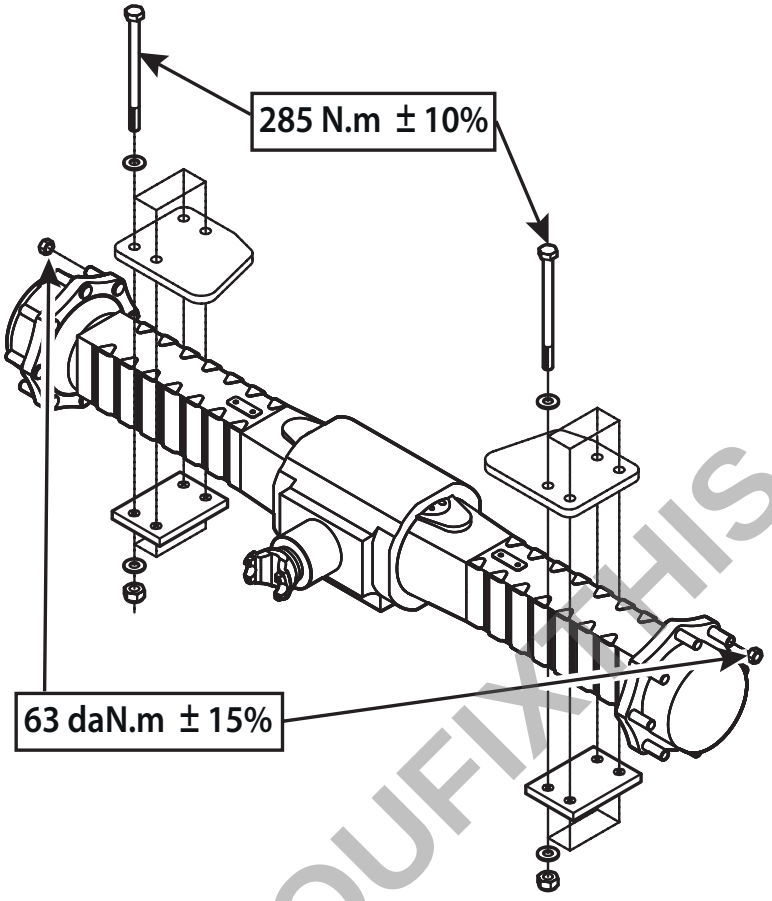
HYDRAULIC DIAGRAM (M-X 70-2 Serie 3)



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FRONT AXLE TIGHTENING TORQUE



Standard tightening torque to be used when not otherwise indicated in the removal and refitting operations.

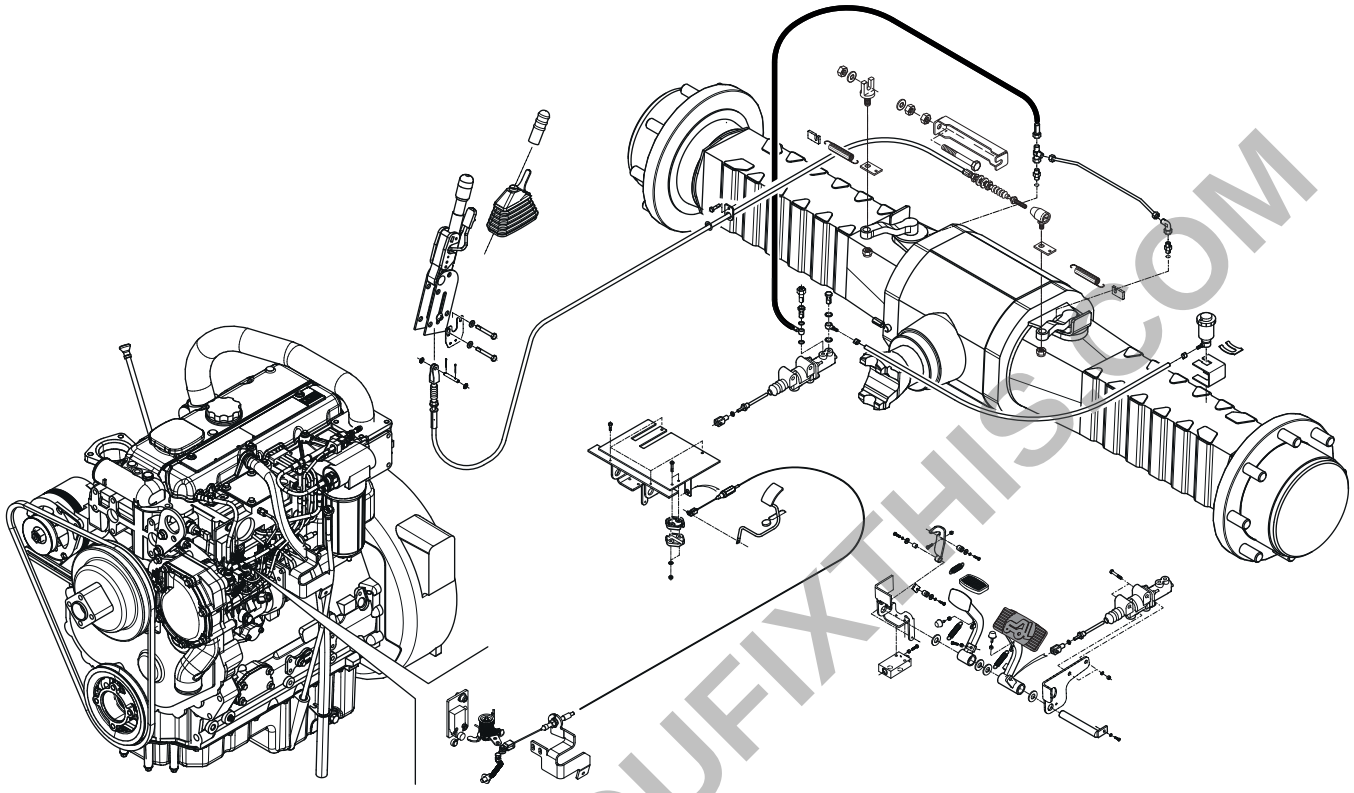
Tightening torque in N.m (*)					
Ø Thread	***Grade 5.6***	***Grade 5.8***	***Grade 8.8***	***Grade 10.9***	***Grade 12.9***
M3	0,54	0,76	1,16	1,7	2
M4	1,24	1,74	2,66	3,91	4,57
M5	2,47	3,46	5,2	7,7	9
M6	4,29	6	9,1	13,4	15,7
M8	10,4	14,6	22	32	38
M10	20	28	44	64	75
M12	35	49	76	111	130
M14	57	79	121	178	209
M16	88	124	189	278	325
M18	122	171	261	384	449
M20	173	243	370	544	637
M22	238	334	509	748	875
M24	298	418	637	936	1095
M27	442	619	944	1386	1622
M30	600	840	1280	1880	2200

(*) - Tightening torques are given for lightly lubricated black or zinc-plated fasteners.
- Tightening torques are given for automatic reset release type wrenches and direct reading dial type torque wrenches.
- For more information, refer to standard NF E25-030.

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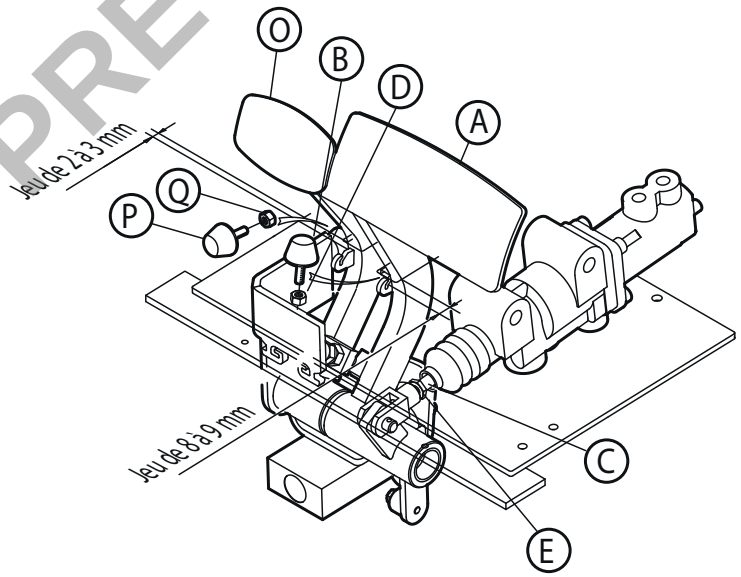
M-X 70-2



BRAKE AND INCHING PEDAL ADJUSTMENT PROCEDURE

BRAKE PEDAL

- Set the height of the brake pedal (A) to obtain a clearance of 8 to 9 mm between the floor and the pedal lever by means of the stop (B) (pedal in raised position).
- Adjust the free travel of the brake pedal A by turning the push rod C until it comes into contact with the piston of the master cylinder, then turn a half to three-quarter turn in the opposite direction.
- Tighten locknuts (D) and (E).



INCHING PEDAL

- Set the height of the inching pedal (O) to obtain a clearance of 2 to 3 mm between the floor and the pedal lever by means of the stop (P) (pedal in raised position).
- Tighten locknut (Q).

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