



# **INSTALLATION INSTRUCTIONS**

KG1RP712-00  
**LOW FLOW HYDRAULIC KIT**

**APPROXIMATE INSTALLATION TIME: 20 hours**

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## Control valve auxiliary block - Install

CX235C SR WE

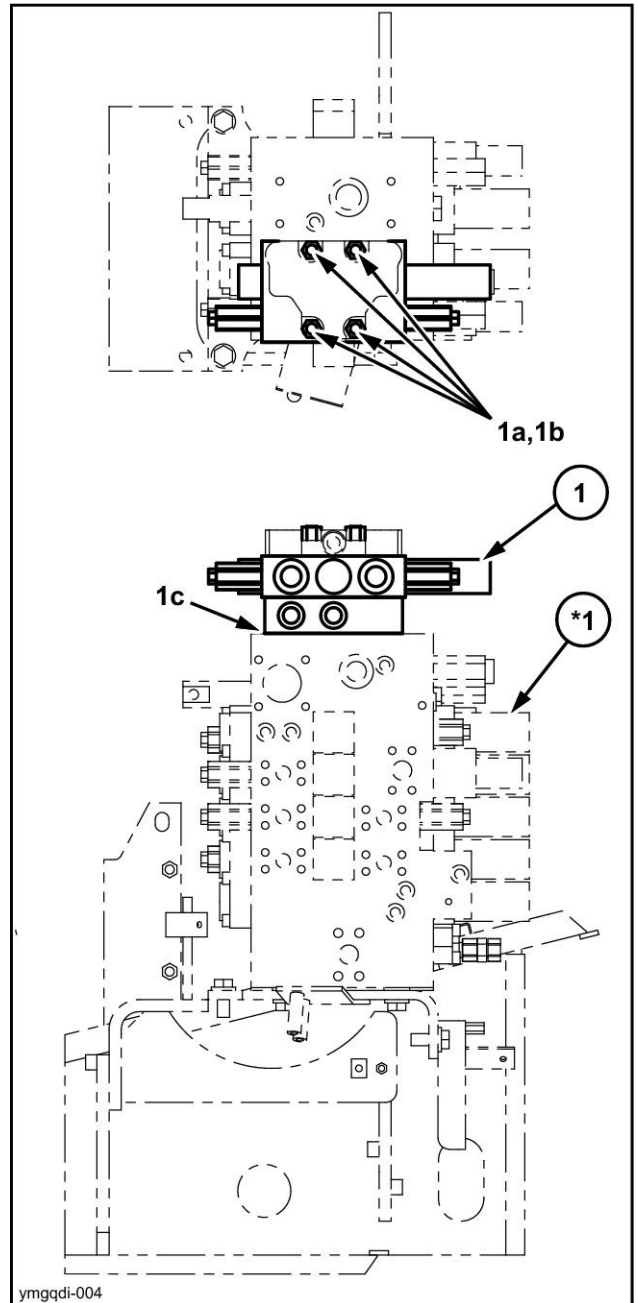
1. Install the add-on 2nd option control valve (**1**) on the control valve (**\*1**) with the 4 nuts (**1a**) and 4 tie rods (**1b**).

Tightening torque:

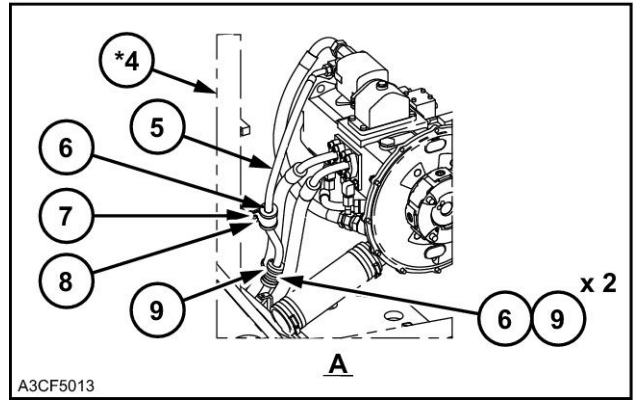
**116 - 128 N·m (1026.7 - 1132.9 lb in)**

Replace the O-ring (**1c**) and tie rods (**1b**) with new ones.

The nuts (**1a**), tie rods (**1b**), and O-ring (**1c**) are accessories for the add-on 2nd option control valve.

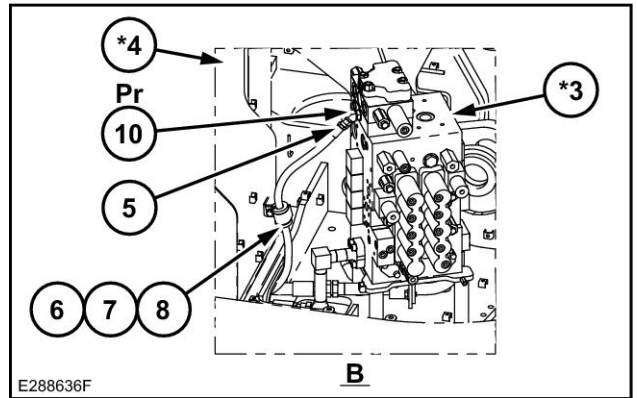


2. Set the hose clamp (6) on the hydraulic hose (5).  
 Fasten the hose clamp (6) to the fuel tank (\*4) with the clamp (7) and sems bolt (8).  
 Fasten the hydraulic hose (5) with 1 hose clamp (6) and 3 wire bands (9).



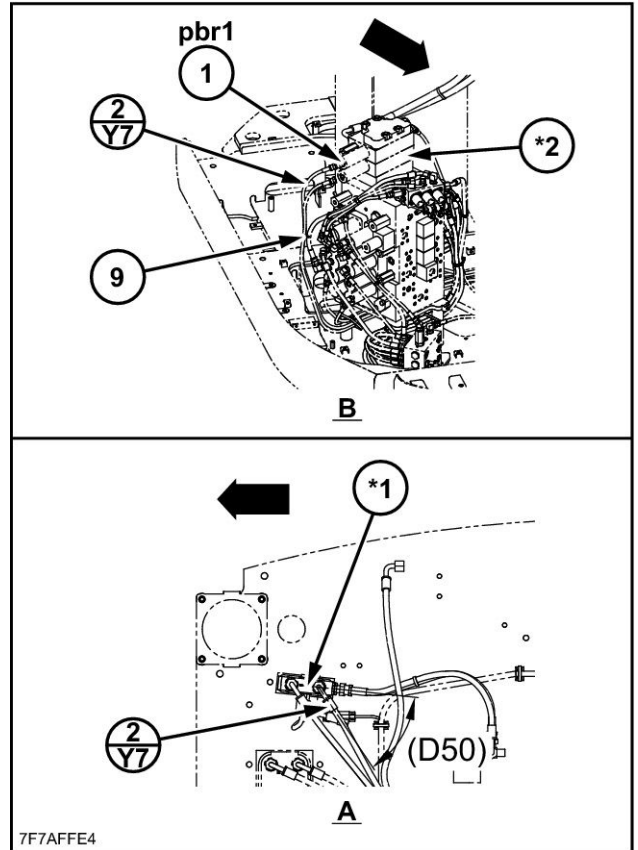
A3CF5013 3

3. Install the elbow (10) on the control valve (\*3) Pr port and connect the hydraulic hose (5).  
 Set the hose clamp (6) on the hydraulic hose (5).  
 Fasten the hose clamp (6) to the fuel tank (\*4) with the clamp (7) and sems bolt (8).

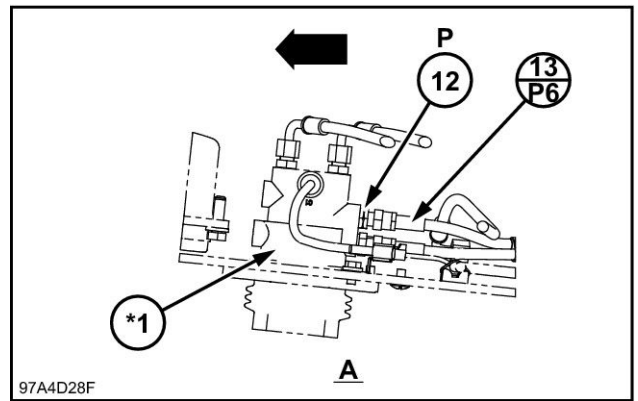


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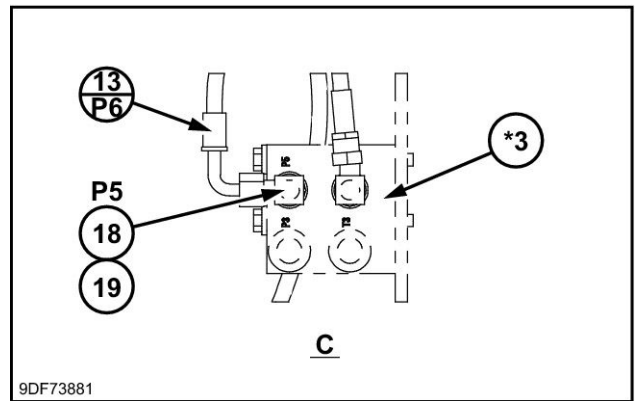
4. Install the elbow (1) on the control valve (\*2) pbr1 port.  
 Connect the remote control valve (\*1) A port and control valve (\*2) pbr1 port with the assembly hose (2/Y7), and then fasten with the wire band (9).



5. Install the nipple with filter (12) on the remote control valve (\*1) P port.



6. Install the elbow (18) or tee (19) on the manifold (\*3) P5 port.  
 Connect the remote control valve (\*1) P port and manifold (\*3) P5 port with the assembly hose (13/P6).



## 1 - CONTENU DU KIT

Code	Référence	Description	Qté	Remarques
10	KHR21490	Pressostat	1	
11	152127A1	Adaptateur de flexible (KNJ0758)	3	G1/4
12	161841A1	Graisser avec filtre (CNA0584)	1	G1/4
13	KRJ31250	Ensemble flexible	1	
18	150913A1	Coude (KHJ0341)	2	G1/4

## Partie électrique (voir 3-33)

Code	Référence	Description	Qté	Remarques
2	150496A1	Bracelet (KHH0142)	6	L=250
3	158962A1	Attache (KHR1317)	2	
4	166345A1	Vis à rondelle (105R008Y016R)	2	M8x16
5	150860A1	Collier de montage (KHR0319)	5	
6	840-168	Vis à tête cylindrique bombée Phillips (145T006S008R)	5	M6x8
7	KHR31900	Faisceau électrique en option (pédale + pédale)	1	

## 2e conduite de pression double effet (voir 3-20)

Code	Référence	Description	Qté	Remarques
1	151655A1	Adaptateur de flexible (KNJ0606)	1	G1
2	KRJ10750	Flexible hydraulique	1	
3	KHJ1156	Goujon	1	G1
4	150919A1	Coude (KHJ0343)	1	G3/4xG1/2
5	KRJ28350	Flexible hydraulique	1	
6	KHJ2021	Collier de serrage pour flexible	3	
7	KHJ2025	Collier de serrage	2	
8	166052A1	Vis à rondelle (105R010Y025R)	2	M10x25
9	150071A1	Bracelet (KAR0017)	3	L=380
10	157585A1	Coude (KHJ0350)	1	G1/2

## Plaque signalétique (voir 3-35)

Code	Référence	Description	Qté	Remarques
9	KHP1510	Etiquette d'instruction pour commande au pied 2ème option	1	

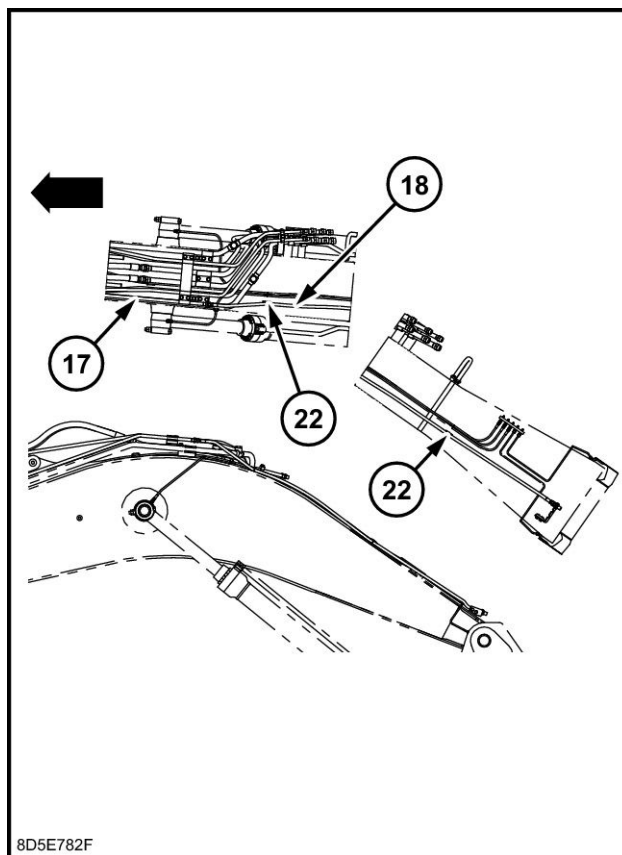
## Equipement : collier de serrage (voir 3-12)

Code	Référence	Description	Qté	Remarques
1	KHV10480	Collier de serrage	4	
2	166352A1	Boulon Sems (105R012Y030R)	14	M12x30
3	KNV13810	Embase (extrémité gauche flèche)	3	
4	167183A1	Vis à rondelle (105R012Y060R)	14	M12x60
5	KNV13820	Embase (extrémité droite flèche)	3	
6	KHV10500	Collier de serrage	4	
7	KHV11640	Collier de serrage	2	
8	KRV20300	Embase (centre flèche)	1	
9	KHV12120	Embase	1	
10	827-12065	Vis haute résistance (102R012Y065R)	1	M12 x 65
11	150811A1	Rondelle haute résistance (KHN0296)	1	M12
12	166400A1	Collier de serrage (KAV0791)	1	

## Equipement : conduite de flèche (voir 3-12)

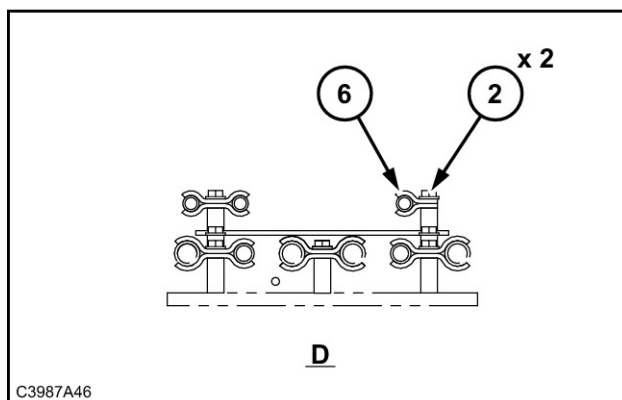
Code	Référence	Description	Qté	Remarques
13	KRV19190	Conduite équipée (droite)	1	
14	KRV19180	Conduite équipée (gauche)	2	
15	KRV36401	Conduite équipée (droite)	1	

6. Brancher l'extrémité avant du flexible hydraulique (18) à l'ensemble de conduite (purge) (17).  
Fixer le flexible hydraulique (18) avec 2 colliers (22).



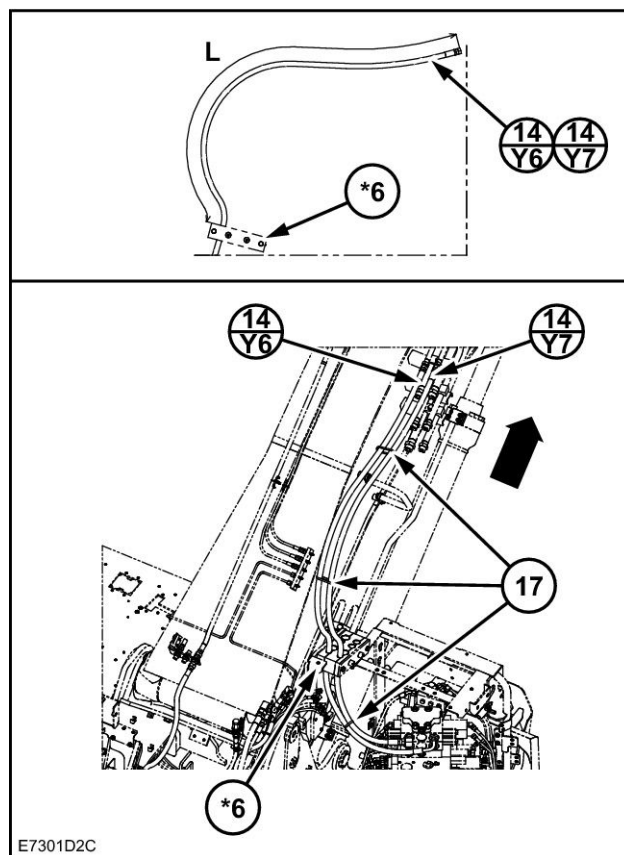
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7. Fixer l'ensemble conduite (droite) (15) à l'aide d'un collier de serrage (6) et de 2 vis à rondelle (2).



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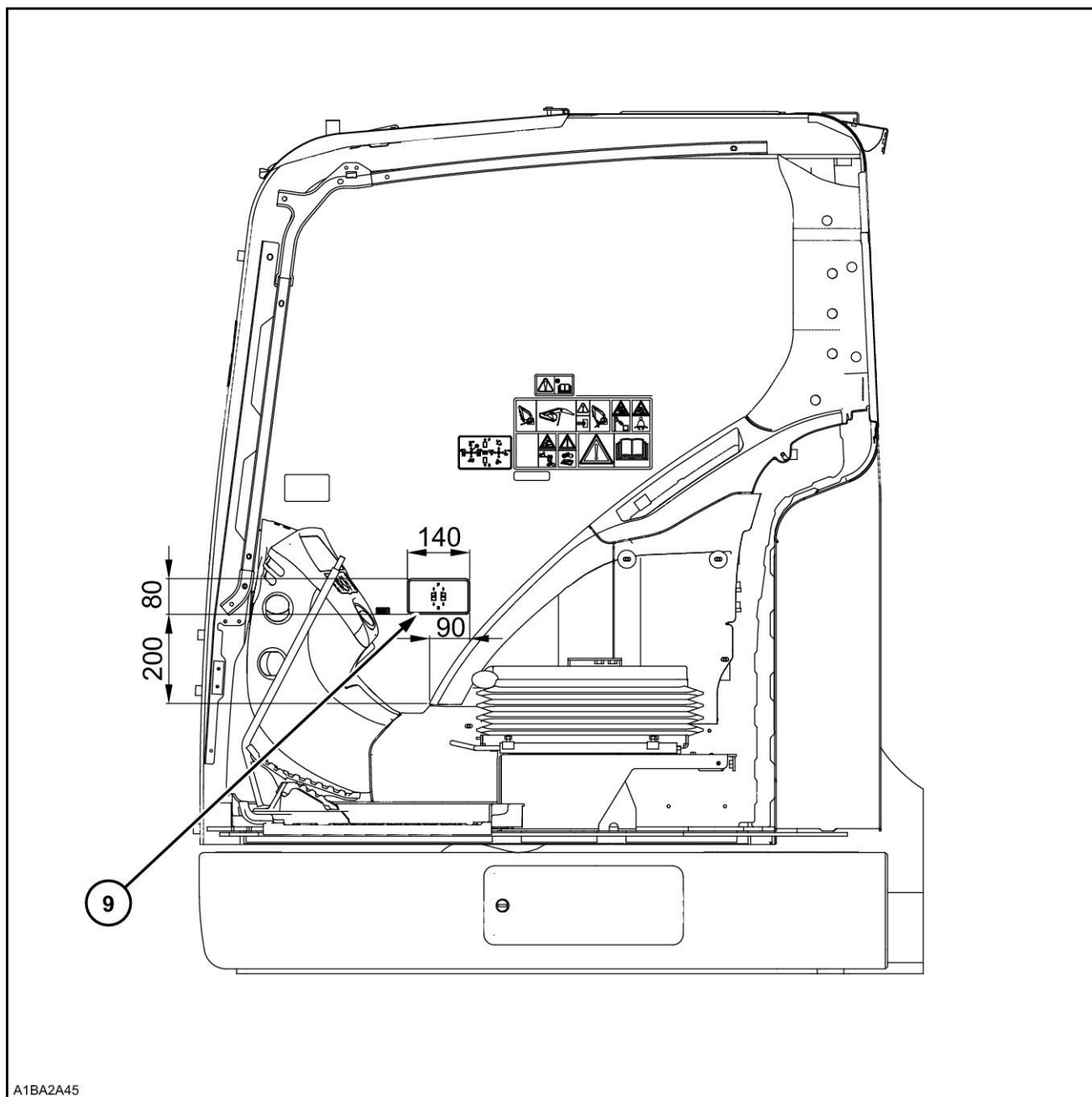
8. Régler les positions de serrage des flexibles afin que les distances entre les flexibles hydrauliques (14/Y6) (14/Y7) et le collier de serrage (\*6) correspondent aux dimensions indiquées ci-dessous.  
L (dimension) Y6 = **1820 mm (71.7 in)**.  
L (dimension) Y7 = **1840 mm (72.4 in)**.  
Fixer les flexibles hydrauliques (14/Y6) (14/Y7) à l'aide de 3 bracelets (17).



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## Autocollants de sécurité ou d'information - Pose (Dans la cabine)

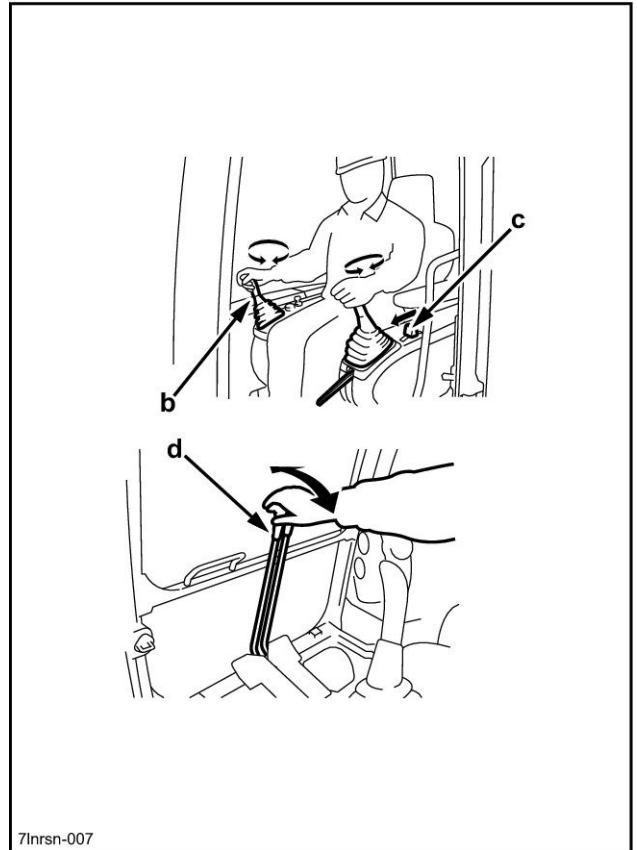
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1. Dépoussiérer l'endroit où l'étiquette doit être posée.
2. Fixer l'étiquette de fonctionnement de la pédale de 2ème option (9).

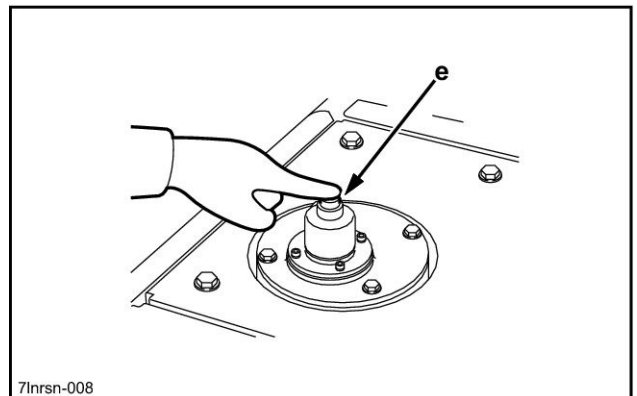
3. Den Druck aus dem Kreislauf ablassen:  
Den Hebel nach vorn kippen, dann die Servosteuerhebel ca. 10 Mal drehen, um den Druck abzulassen.  
Die Fahrhebel ca. 5 Mal vor und zurück bewegen, um den Druck abzulassen.  
**b** = oberer Steuerhebel  
**c** = Hebel  
**d** = Fahrhebel



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4. Den Druck aus dem Hydraulikbehälter ablassen.  
Den Entlüftungsknopf auf dem Hydraulikbehälter drücken, um den Druck aus dem Behälter abzulassen.  
**e** = Entlüftertaste



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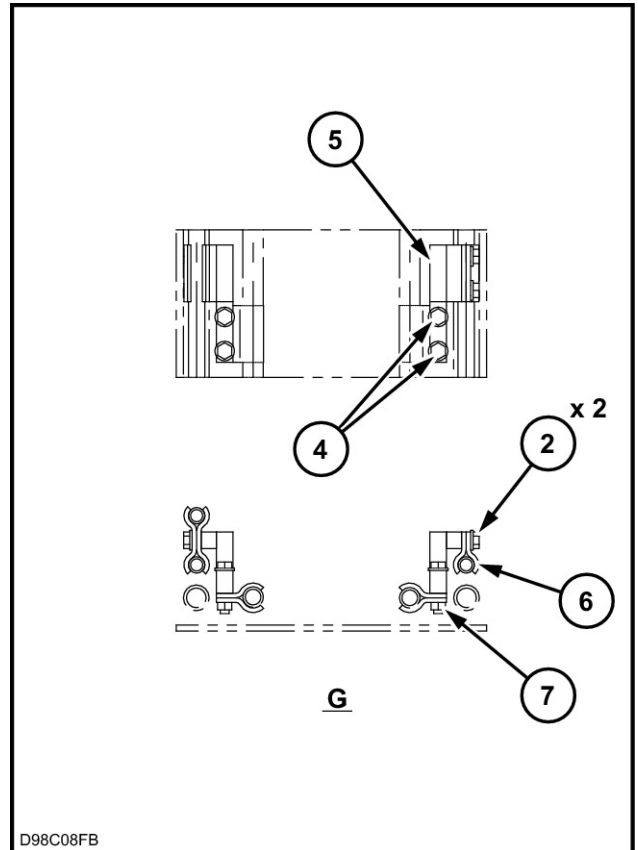
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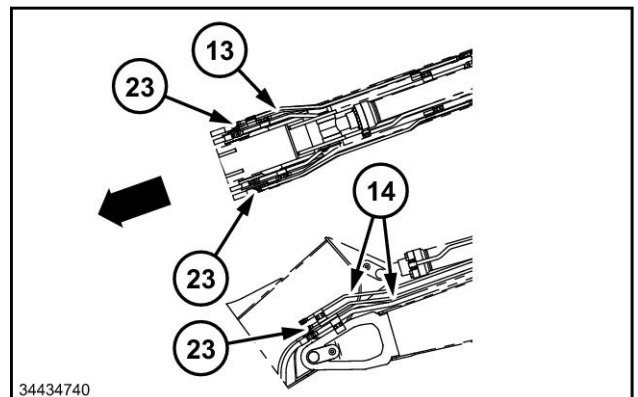
14. Befestigen Sie die Rohrschelle (7) und den Sitz (Ausleger oben rechts) (5) mit 2 unverlierbaren Schrauben (4).  
 Befestigen Sie die Leitungsbaugruppe (links) (13) mit 1 Rohrschelle (6) und 2 unverlierbaren Schrauben (2).  
 Befestigen Sie die Rohrschelle (6) in einem Abstand von **490 mm (19.3 in)** von der Vorderseite des Sitzes G (Ausleger oben rechts) (5).



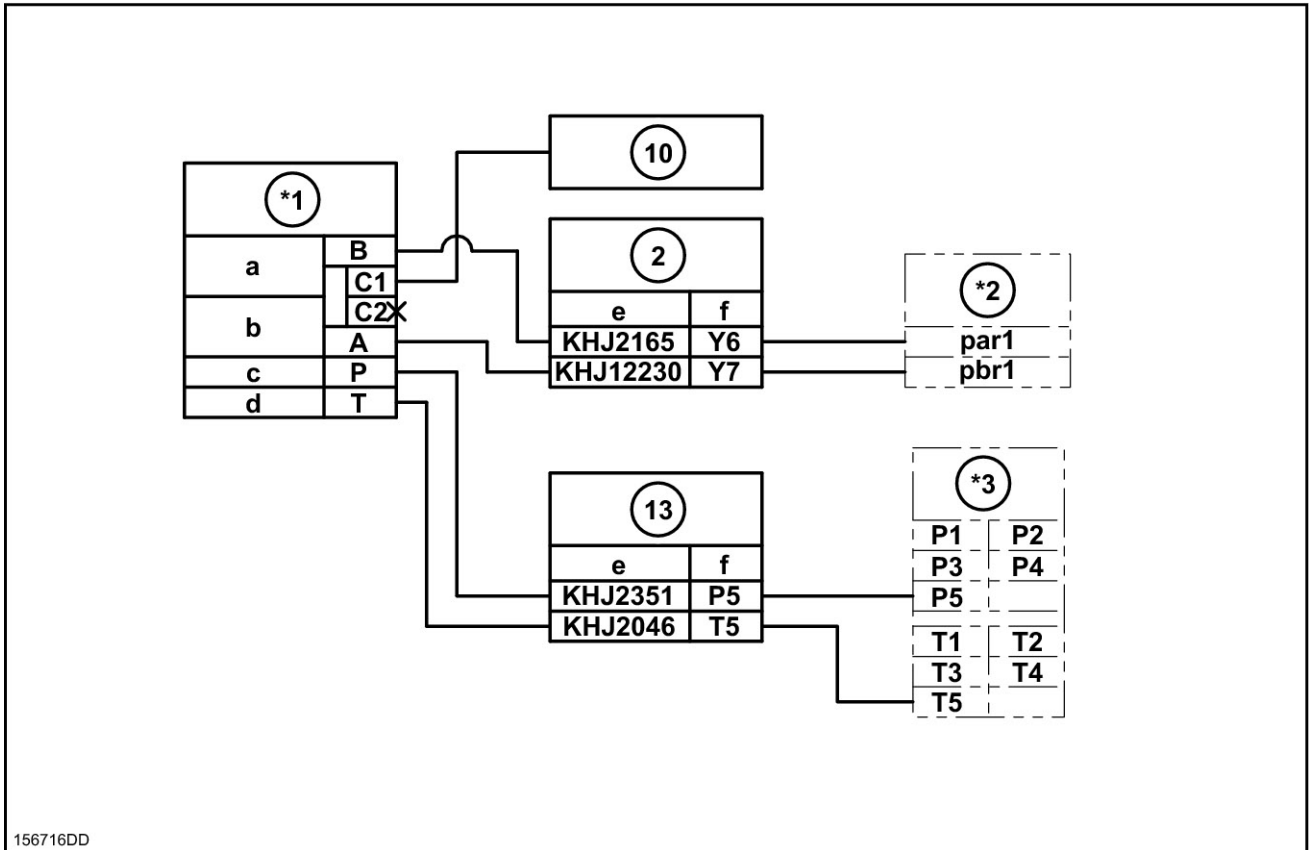
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### Einbau des Verschlusses (23)

15. Montieren Sie die 3 Verschlüsse (23) am vorderen Ende der Leitung.



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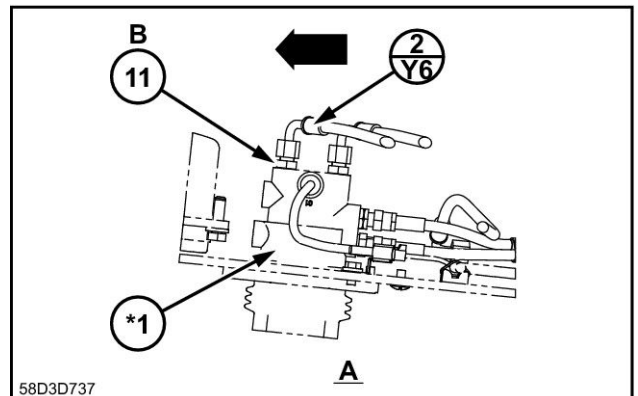
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### Schlauchanschlussdiagramm

- (\*1) Zusatzsteuerventil
- (\*1)a Pedal vorderer Betrieb
- (\*1)b Pedal hinterer Betrieb
- (\*1)c Druck
- (\*1)d Zurück
- (10) Druckschalter

- (\*2) Steuerventilblock
- (\*3) Verteiler
- (2) Baugruppenschlauch
- (13) Baugruppenschlauch
- (e) Teilenummer für Schlauch
- (f) Teilebezeichnung für Schlauch

1. Montieren Sie den Schlauchadapter (11) an Anschluss B des Zusatzsteuerventils (\*1).



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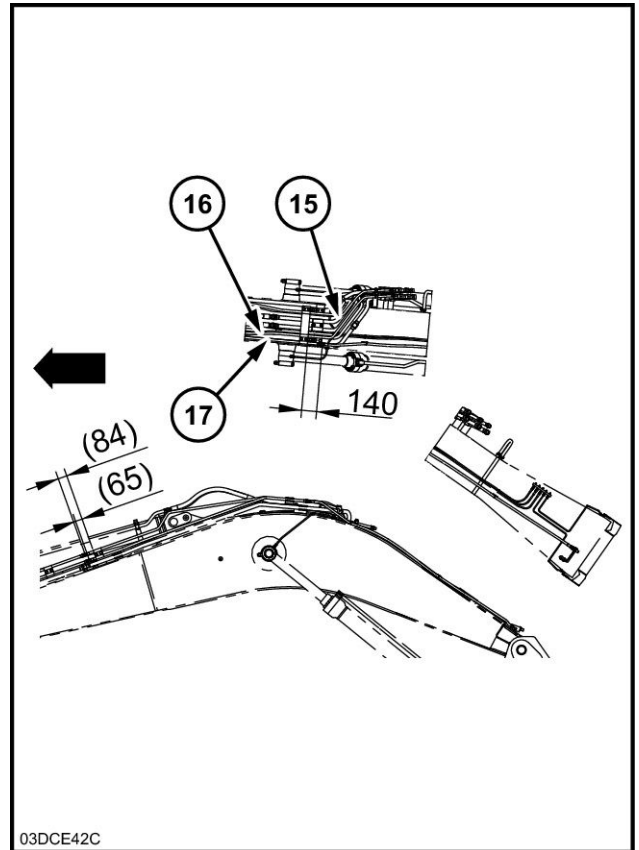
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**Manguera de drenaje (17),  
conducto izquierdo (16) y  
conducto derecho (15)**

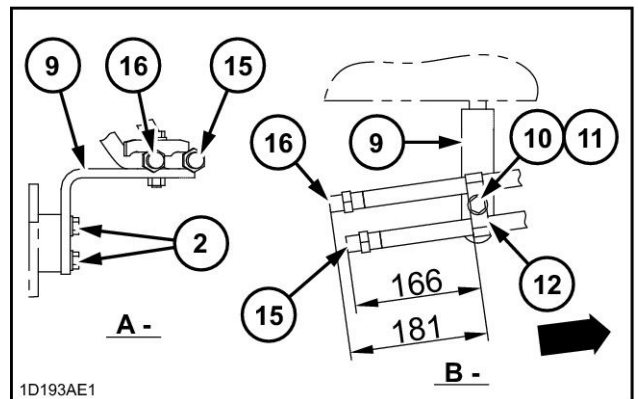
1. Coloque el conducto de drenaje (17), el conducto izquierdo (16) y el conducto derecho (15).



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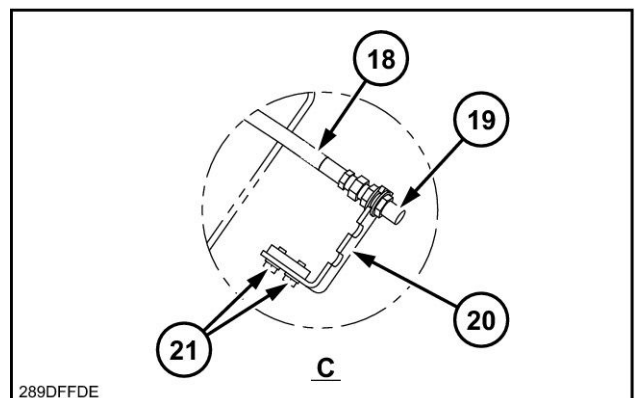
2. Instale el asiento (9) con 2 pernos SEMS (2).  
Fije la brida para tubos (12) en los conductos izquierdo (16) y derecho (15).  
Apriete la brida para tubos (12) con el perno de alta resistencia (10) y la arandela de alta resistencia (11).  
Apriete la brida para tubos (12) a **180 mm (7.1 in)** del extremo posterior del conducto izquierdo (16) y a **166 mm (6.5 in)** del extremo posterior del conducto derecho (15).



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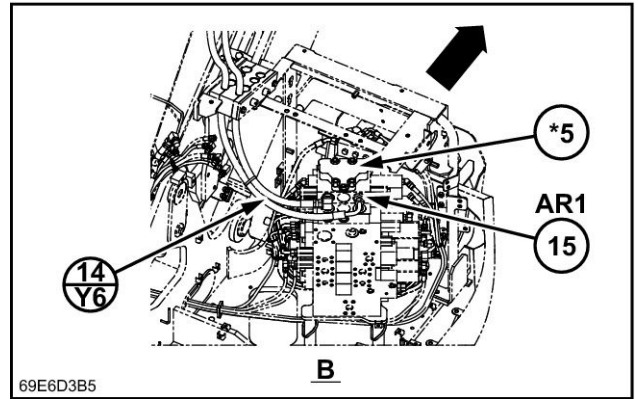
3. Instale el soporte (HBCV) (20) con 2 pernos SEMS (21).  
Instale el extremo posterior de la manguera hidráulica (18) en el soporte (HBCV) (20) junto con el adaptador para mangueras (19).



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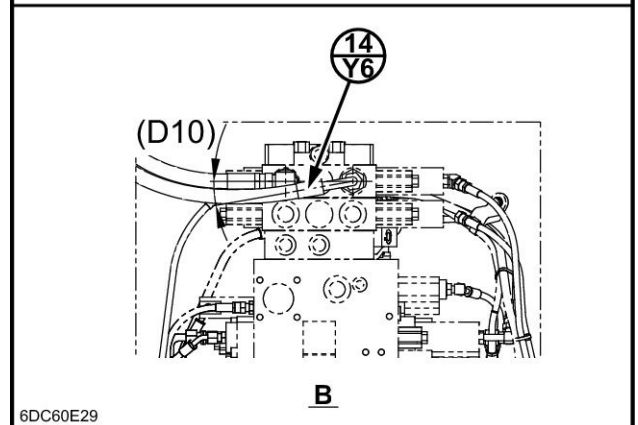
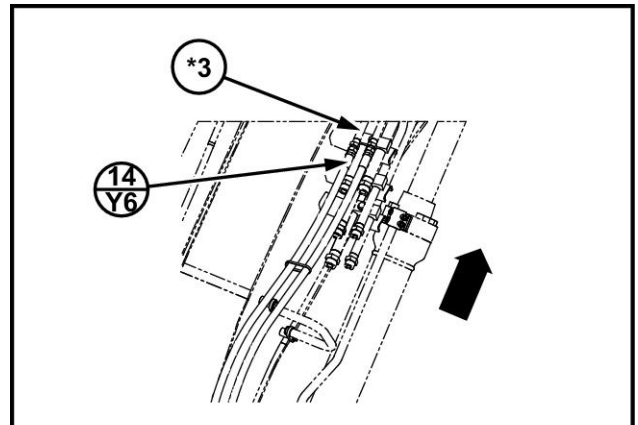
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3. Instale el codo (**15**) en el puerto AR1 de la válvula de control (**\*5**).



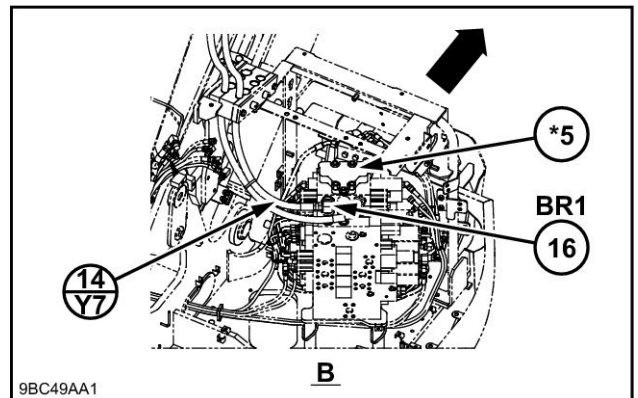
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4. Conecte el puerto AR1 de la válvula de control (**\*5**) y el conducto izquierdo (**\*3**) con la manguera hidráulica (**14/Y6**).



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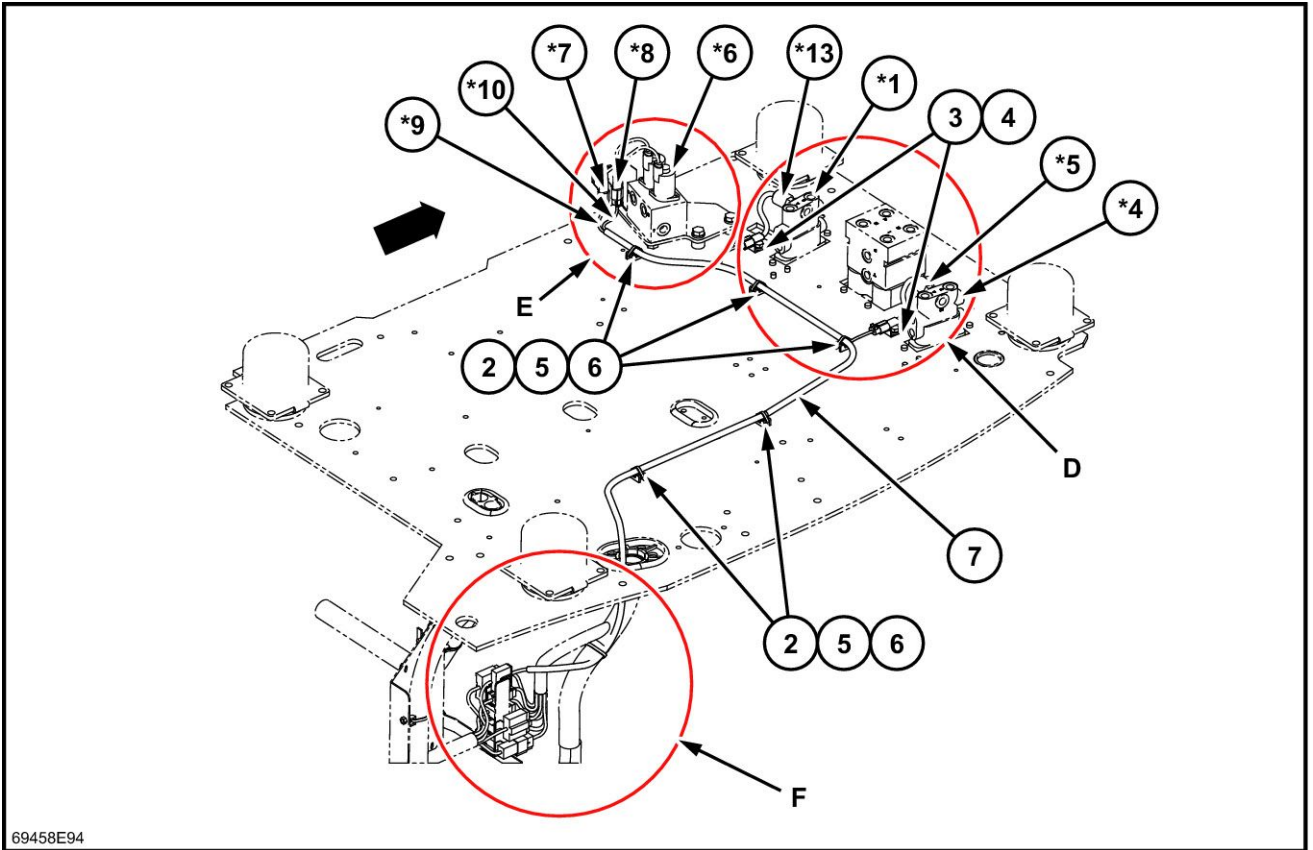
5. Instale el codo (**16**) en el puerto BR1 de la válvula de control (**\*5**).



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## Mazos de cables y conectores - Instalar

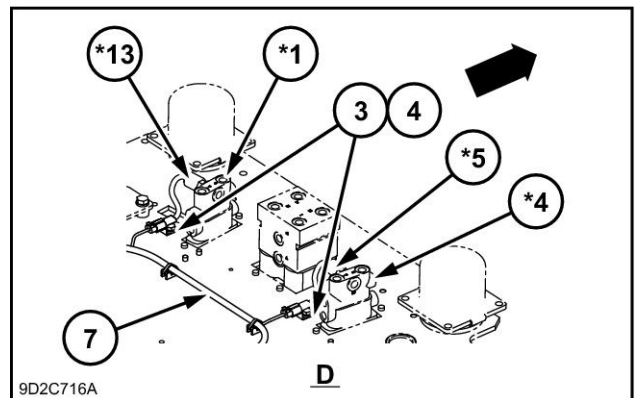
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1. Conecte el mazo de cables (7) al presostato (\*13) de la válvula de control remoto (\*1) y al presostato (\*5) de la válvula de control remoto (opción 2) (\*4). Fije las 2 secciones del conector del mazo de cables (7) y los presostatos (\*13) (\*5) con 1 grapa (3) y 1 perno SEMS (4) en cada uno de ellos.

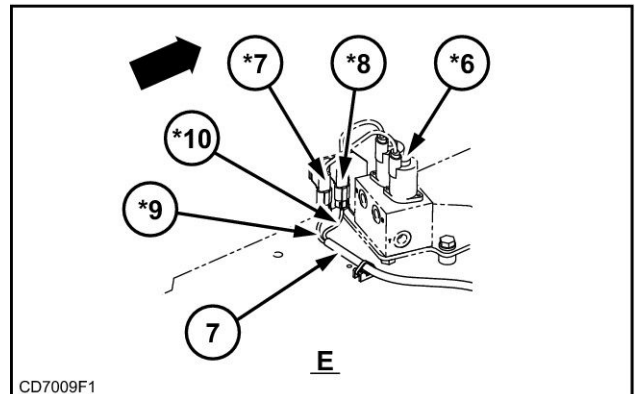


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2. Conecte la electroválvula de conmutación opcional (\*6) y el mazo de cables (7) tal como se indica a continuación. Conecte la electroválvula de conmutación opcional (\*6) con la brida roja (\*7) al mazo de cables (7) con la cinta roja (\*9). Conecte la electroválvula de conmutación opcional (\*6) con la brida azul (\*8) al mazo de cables (7) con la cinta azul (\*10).



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## 2 - GENERALITÀ

### Notifica

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**NOTA:** un "\*" in questo documento indica che la parte è montata sulla macchina vera e propria (ossia (\*n)).

### Articoli da preparare

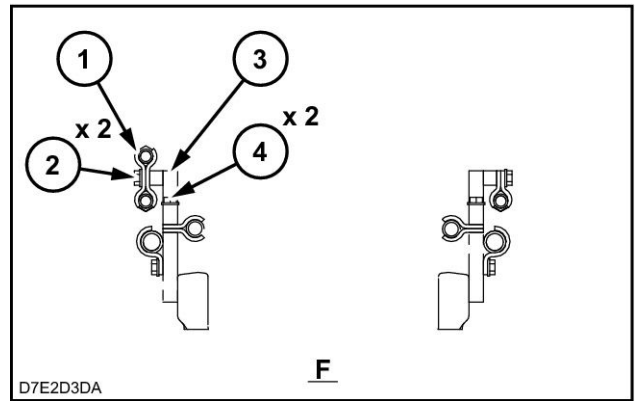
- Chiavi:
  - 13 mm (0.5 in)
  - 17 mm (0.7 in)
  - 19 mm (0.7 in)
  - 27 mm (1.1 in)
  - 36 mm (1.4 in)
  - 41 mm (1.6 in)
- Chiavi a tubo:
  - 13 mm (0.5 in)
  - 17 mm (0.7 in)
  - 19 mm (0.7 in)
  - 27 mm (1.1 in)
  - 36 mm (1.4 in)
  - 41 mm (1.6 in)
- Chiavi esagonali: 8 mm (0.3 in)
- Cacciavite Phillips: (No.3)
- Straccio

**NOTA:** coppie di serraggio speciali sono indicate in queste istruzioni.  
Se una coppia non è indicata, utilizzare le coppie di serraggio standard nel manuale d'officina.

**NOTA:** le dimensioni sulle figure sono indicate in mm.

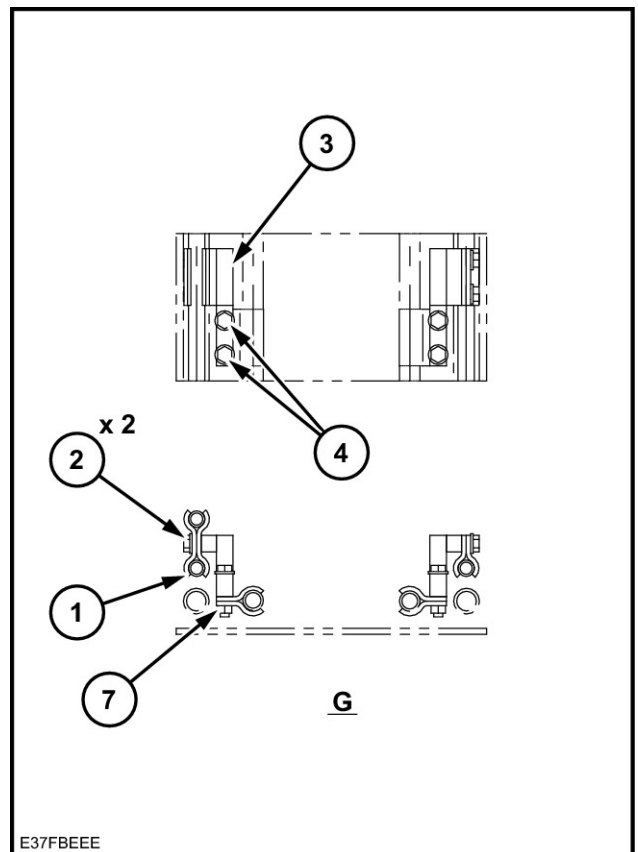
**NOTA:**  questa freccia (mostrata nelle illustrazioni) indica il lato anteriore della macchina.

10. Fissare la sede (lato superiore sinistro braccio) (3) con 2 bulloni tipo Sems (4).  
 Fissare i 2 complessivi tubazione (lato sinistro) (14) con 1 fascetta per tubi (1) e 2 bulloni tipo Sems (2).  
 Fissare la fascetta per tubi (1) su un punto a **100 mm (3.9 in)** dall'estremità anteriore del complessivo tubazione (sinistro) (14).



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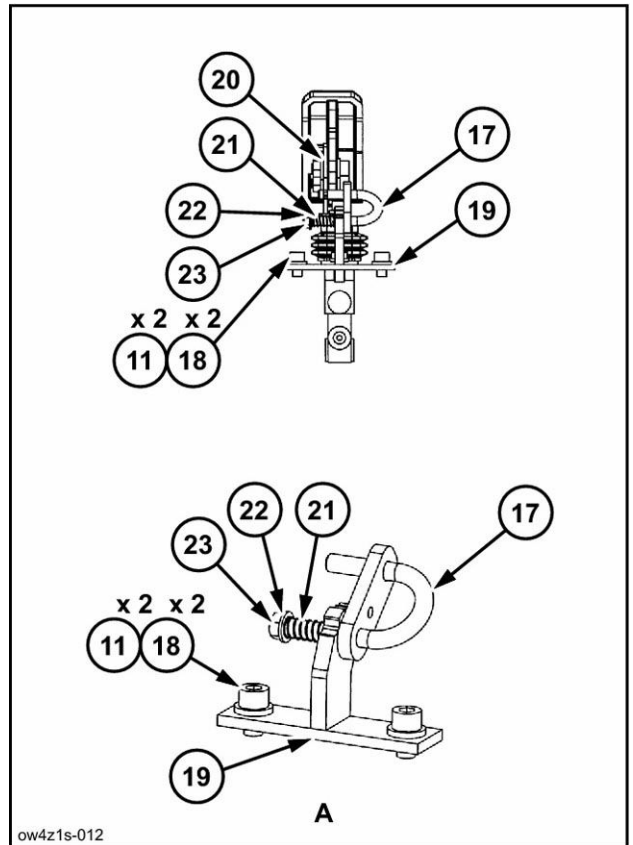
11. Fissare la fascetta per tubi (7) e la sede (lato superiore sinistro braccio) (3) con 2 bulloni tipo Sems (4).  
 Fissare i 2 complessivi tubazione (lato sinistro) (14) con 1 fascetta per tubi (1) e 2 bulloni tipo Sems (2).  
 Fissare la fascetta per tubi (7) su un punto a **490 mm (19.3 in)** dall'estremità anteriore della sede a G (lato superiore sinistro braccio) (3).



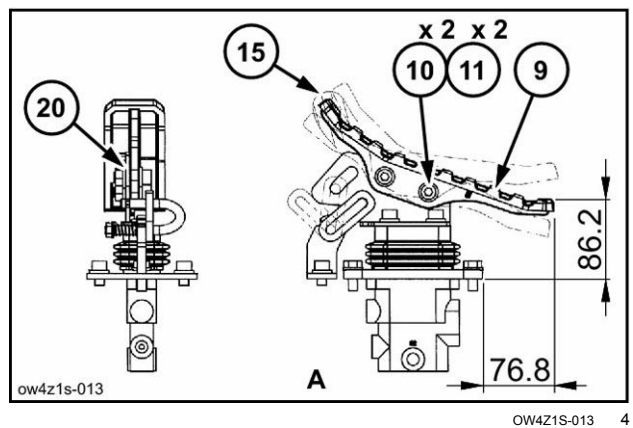
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3. Porre la leva di bloccaggio (17) e la molla a compressione (21) sulla staffa di blocco (19), quindi serrare con il dado ad alta resistenza (23) e le rondelle piane (22).

Montare la leva di blocco (17) sulla scanalatura della staffa del pedale lato sinistro opzionale, (24), quindi montare la staffa di blocco (19) sul pianale con i 2 bulloni a testa esagonale incassata (18) e 2 rondelle ad alta resistenza (11).



4. Montare la staffa del pedale opzionale (20) e il pedale opzionale (9) con i 2 bulloni a testa esagonale incassata (10) e 2 rondelle ad alta resistenza (11). Coprire il pedale opzionale (9) con il coperchio in plastica (15).



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