



INSTALLATION INSTRUCTIONS

KG0SP789-00
HOSE BURST CHECK VALVES (HBCV) KIT

APPROXIMATE INSTALLATION TIME: 8 hours

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1. Remove the nut (*3), and then remove the U-bolt (*2).

Set the O-ring (5) on the manifold (6), and then install on the boom cylinder (left) (*1) with the 4 hexagon socket head bolts (10).

- Tightening torque:

41.6 - 60.8 N·m (368.2 - 538.1 lb in)

- Apply **LOCTITE® 262 (4)** to the threaded sections of the hexagon socket head bolts (10).

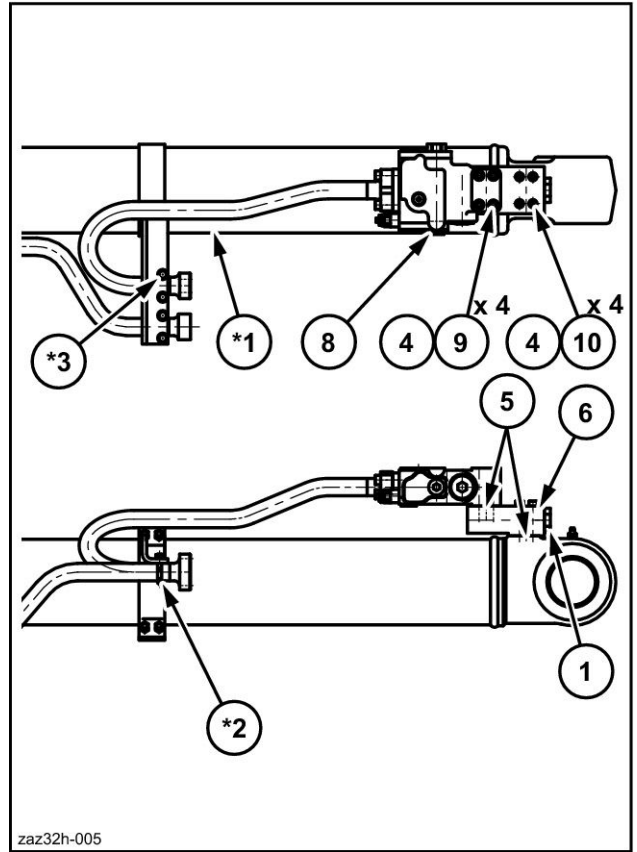
Install the plug (1) on the manifold (6).

Set the O-ring (5) on the holding valve (8), and then install on the manifold (6) with the 4 hexagon socket head bolts (9).

- Tightening torque:

74.9 - 109.9 N·m (662.8 - 972.7 lb in)

- Apply **LOCTITE® 262 (4)** to the threaded sections of the hexagon socket head bolts (9).



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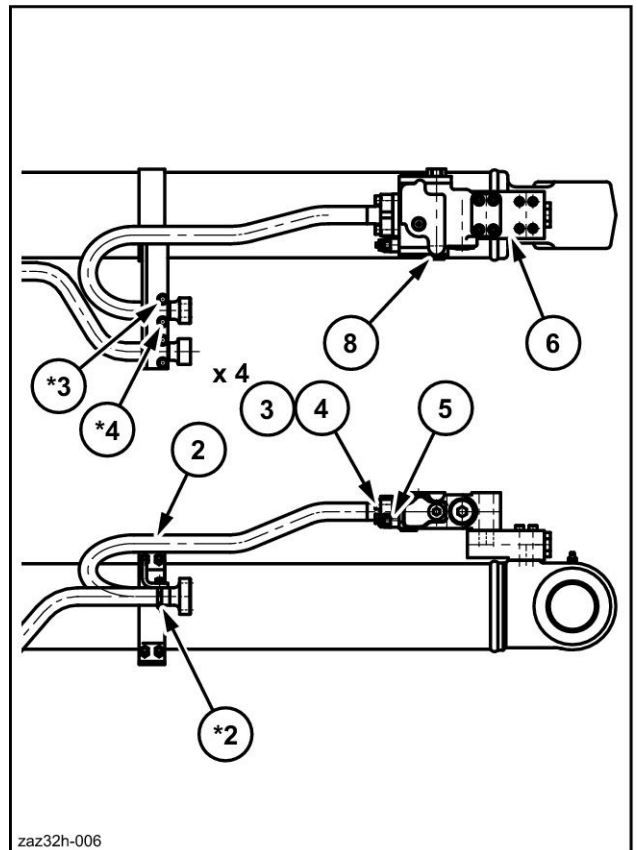
2. Set the O-ring (5) on the end of the line assembly (left HBCV) (2), and then install on the holding valve (8) with the 4 hexagon socket head bolts (3).

- Tightening torque:

74.9 - 109.9 N·m (662.8 - 972.7 lb in)

- Apply **LOCTITE® 262 (4)** to the threaded sections of the hexagon socket head bolts (3).

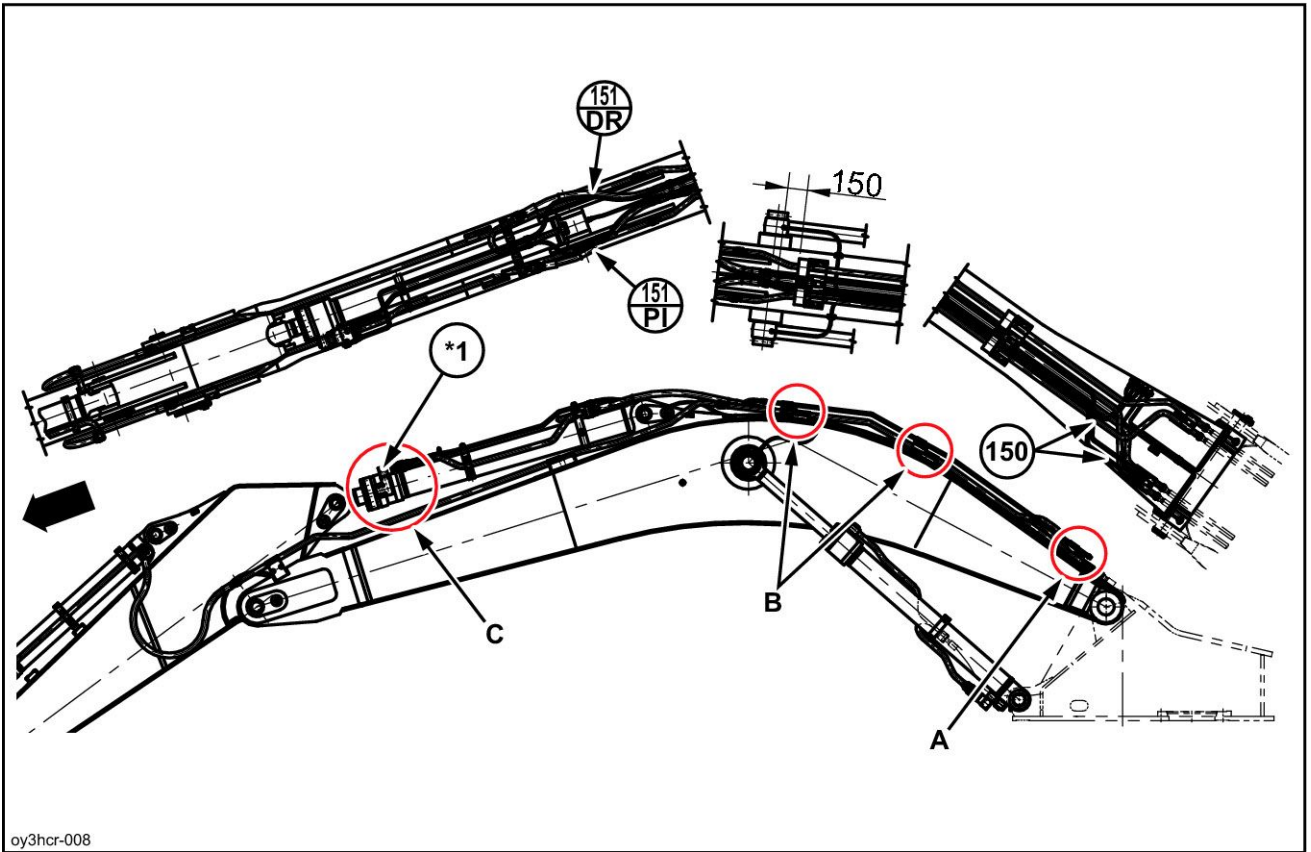
Use the U-bolt (*2) to set the line assembly (left HBCV) (2) on the stay (*4), and then fasten with the nut (*3).



zaz32h-006

ZAZ32H-006 3

Arm line installation

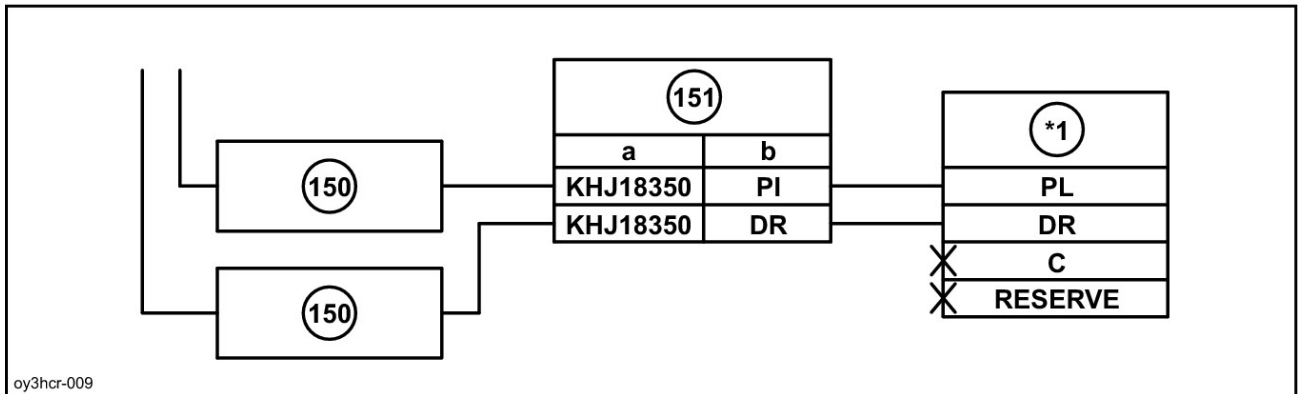


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Arm cylinder line installation

- Hose connection diagram



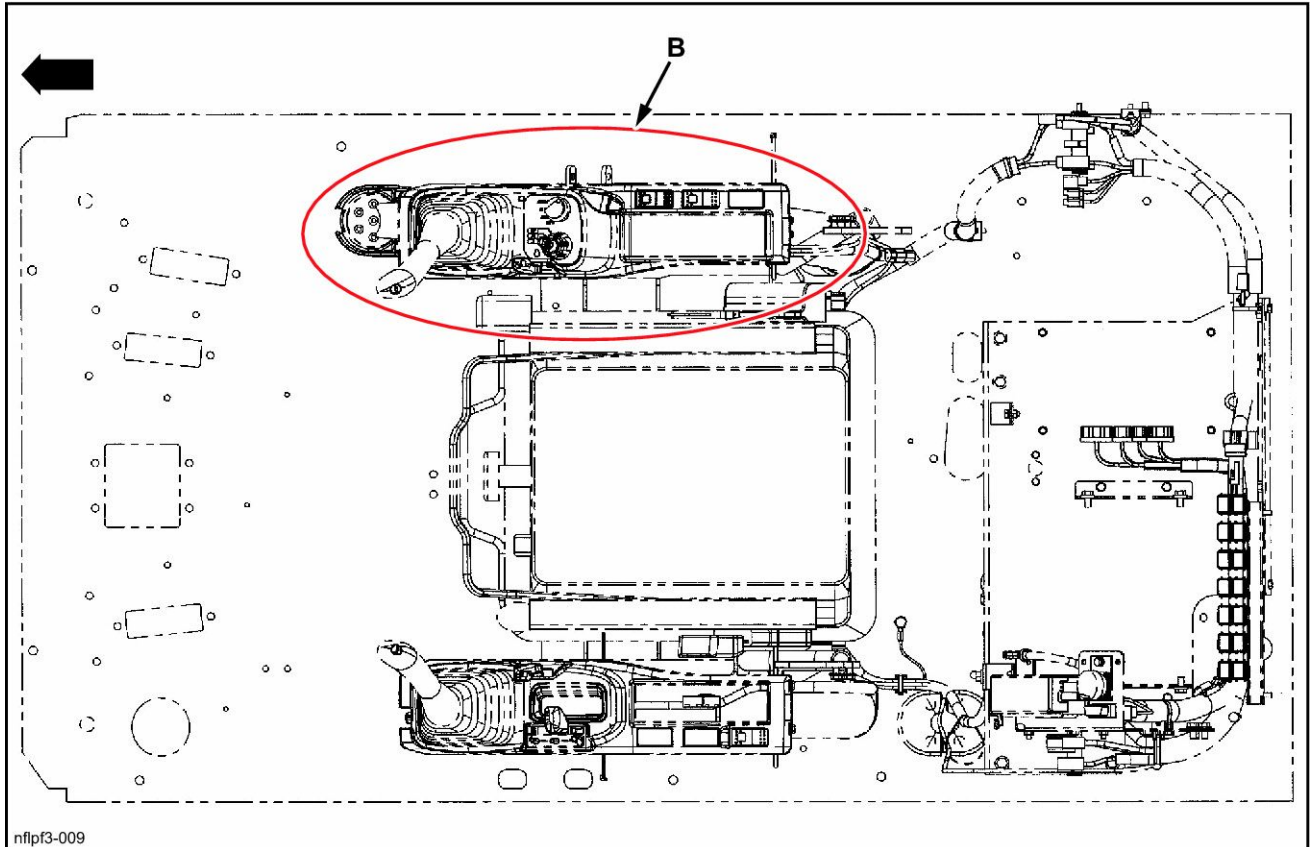
oy3hcr-009

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(151) Assembly hose
 (151)a Hose part number
 (151)b Line name

(150) Line assemblies (HBCV)
 (*1) Arm holding valve

- Electrical parts in Cab

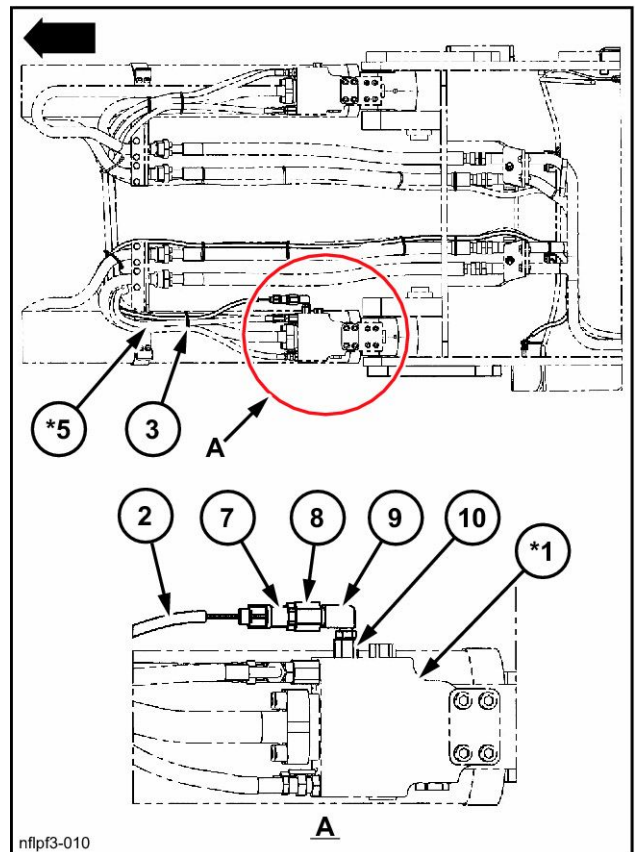


NFLPF3-009 2

- Install the pressure sensor (7) on the stud (8).

 - Tightening torque:
82 - 98 N·m (725.8 - 867.4 lb in)

Remove the plug from the holding valve (*1), and then install the stud (10).
 Install the elbow (9) on the stud (10).
 Install the stud (8) with the installed pressure sensor (7) on the elbow (9).
 Install the overload warning wire harness (2) on the pressure sensor (7), and then fasten with the 1 wire band (3).
 - Tighten the overload warning wire harness (2) together with the hydraulic hose (*5).



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Vérin de flèche gauche (voir)

Code	Référence	Désignation	Qté	Remarques
1	162659A1	Bouchon (BRJ0174)	1	
2	KSV16210	Conduite équipée (HBCV gauche)	1	
3	862-12035	Boulon à tête creuse hexagonale (108R012Y035R)	4	M12x35
4	153591A1	Loctite (KRC5007)	1	262
5	155211A1	Joint torique (LBQ6219)	3	
6	KSV17130	Collecteur	1	
8	KSV17260	Clapet de maintien	1	
9	862-12070	Boulon à tête creuse hexagonale (108R012Y070R)	4	M12x70
10	862-10070	Boulon à tête creuse hexagonale (108R010Y070R)	4	M10x70

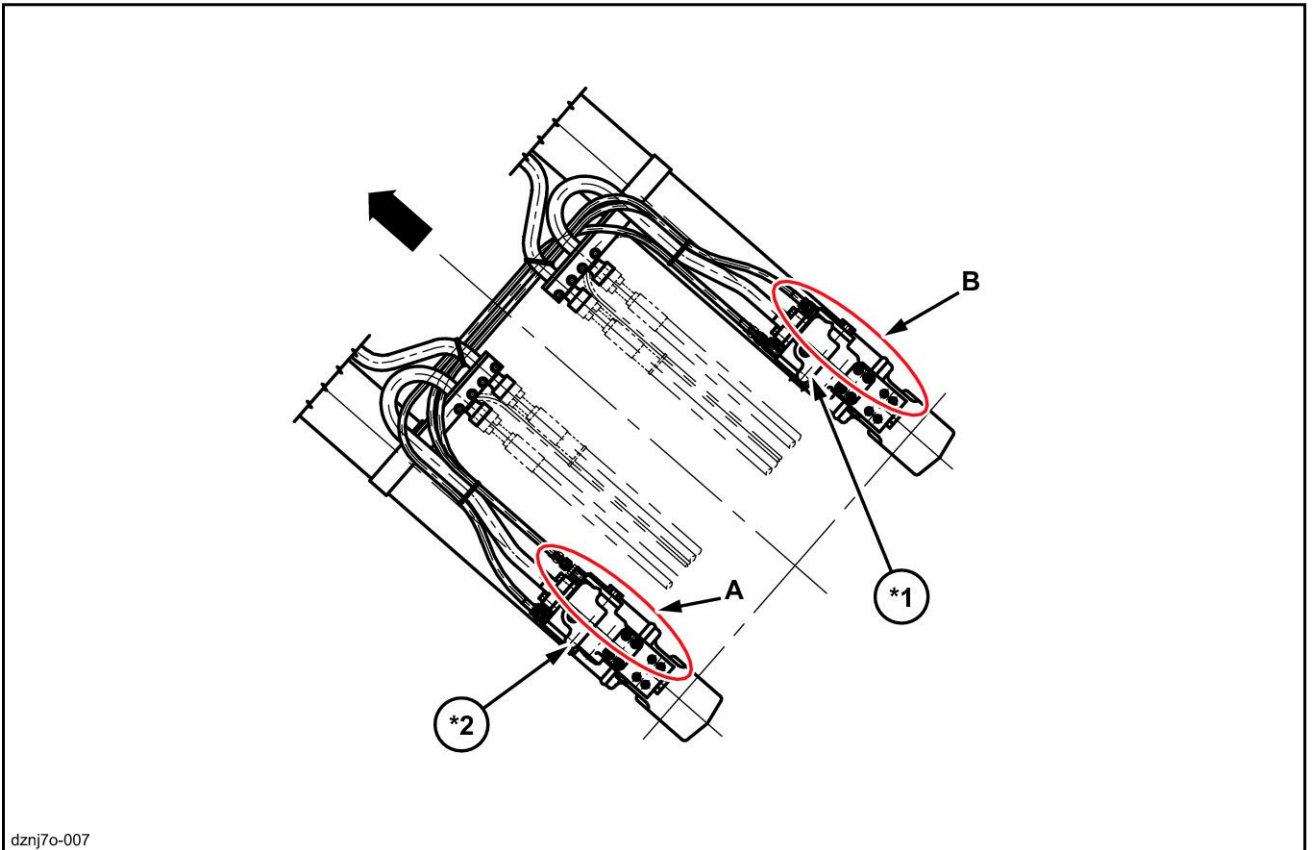
Vérin de flèche droit (voir)

Code	Référence	Désignation	Qté	Remarques
1	162659A1	Bouchon (BRJ0174)	1	
2	KSV16200	Conduite équipée (HBCV droit)	1	
3	862-12035	Boulon à tête creuse hexagonale (108R012Y035R)	4	M12x35
4	153591A1	Loctite (KRC5007)	1	262
5	155211A1	Joint torique (LBQ6219)	3	
6	KSV17130	Collecteur	1	
8	KSV17260	Clapet de maintien	1	
9	862-12070	Boulon à tête creuse hexagonale (108R012Y070R)	4	M12x70
10	862-10070	Boulon à tête creuse hexagonale (108R010Y070R)	4	M10x70

Vérin de balancier (voir)

Code	Référence	Désignation	Qté	Remarques
1	KAV1443	Collier pour tuyau	2	
2	627-12045	Boulon haute résistance (102R012Y045R)	2	M12x45
3	KSV16060	Collier spécial	1	
4	167183A1	Boulon Sems (105R012Y060R)	1	M12x60
5	153731A1	Collier pour tuyau (KRJ2422)	1	
6	KSV11580	Collier spécial	1	
7	827-10040	Boulon haute résistance (102R010Y040R)	2	M10x40
8	150409A1	Rondelle haute résistance (KEH0114)	2	M10
9	166373A1	Boulon Sems (105R016Y040R)	2	M16x40
10	KSV16080	Plaque	1	
12	KSV16190	Collecteur	1	
13	862-12070	Boulon à tête creuse hexagonale (108R012Y070R)	4	M12x70
14	153591A1	Loctite (KRC5007)	1	262
15	KRV11120	Clapet de maintien	1	
16	152747A1	Adaptateur de flexible (KNJ1106)	1	G1/4xG1/2
17	155211A1	Joint torique (LBQ6219)	3	
18	152128A1	Adaptateur de flexible (KNJ0759)	1	
19	862-12035	Boulon à tête creuse hexagonale (108R012Y035R)	4	M12x35
20	KSV16050	Conduite équipée (balancier)	1	
21	KSV16041	Conduite équipée (HBCV DR)	1	
22	KSV16031	Conduite équipée (HBCV PL)	1	
24	162659A1	Bouchon (BRJ0174)	1	

Conduite de vérin de flèche

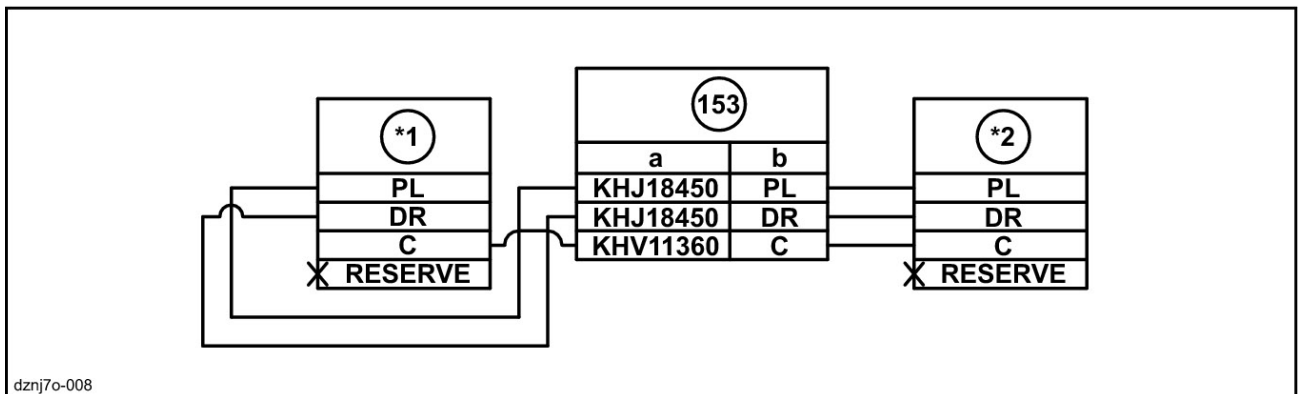


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Pose de la conduite de vérin de flèche

- Schéma de raccordement des flexibles



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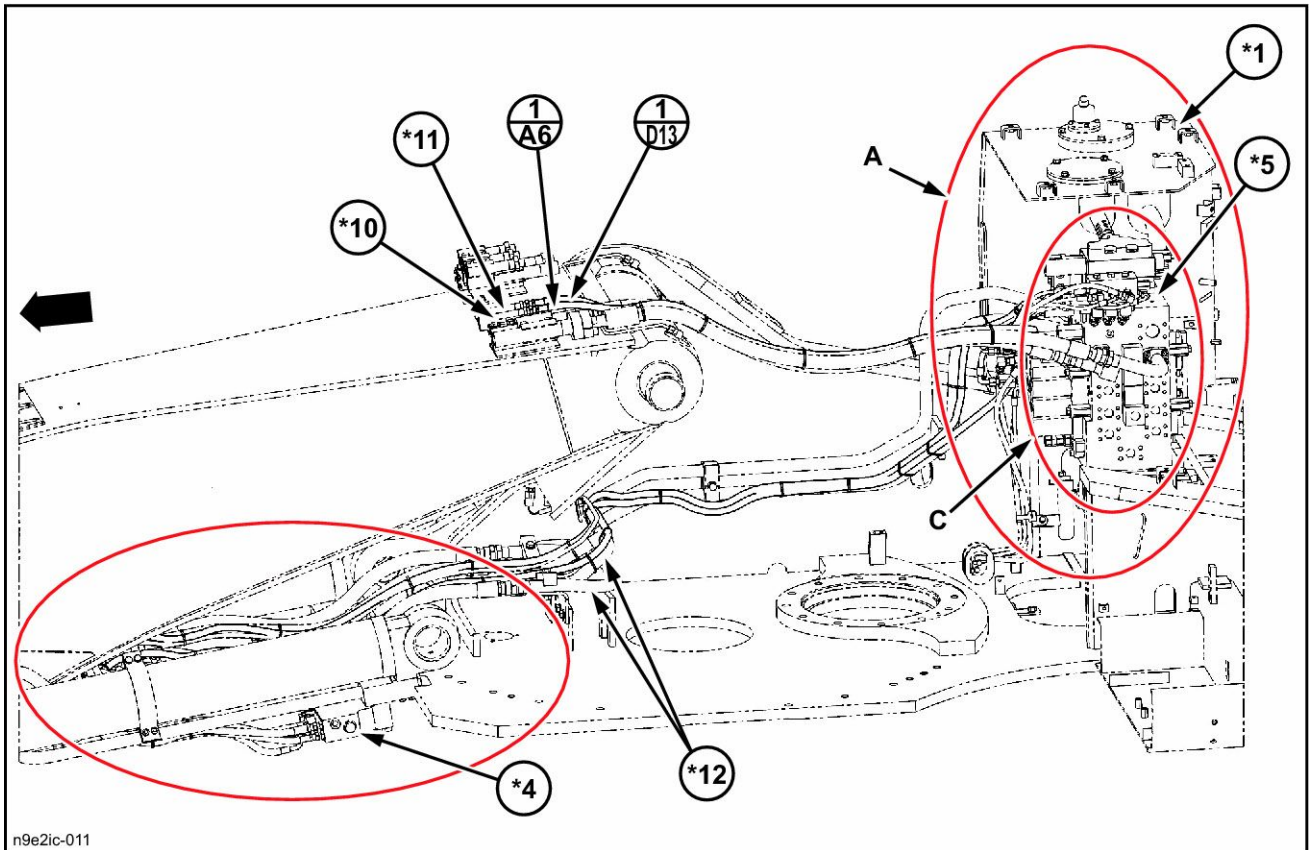
DZNU70-008 8

(153) Flexible d'assemblage
(153)a Référence du flexible
(153)b Désignation de la conduite

(*1) Clapet de maintien côté gauche
(*2) Clapet de maintien côté droit

Conduite hydraulique - Pose (HBCV de conduite de pilotage)

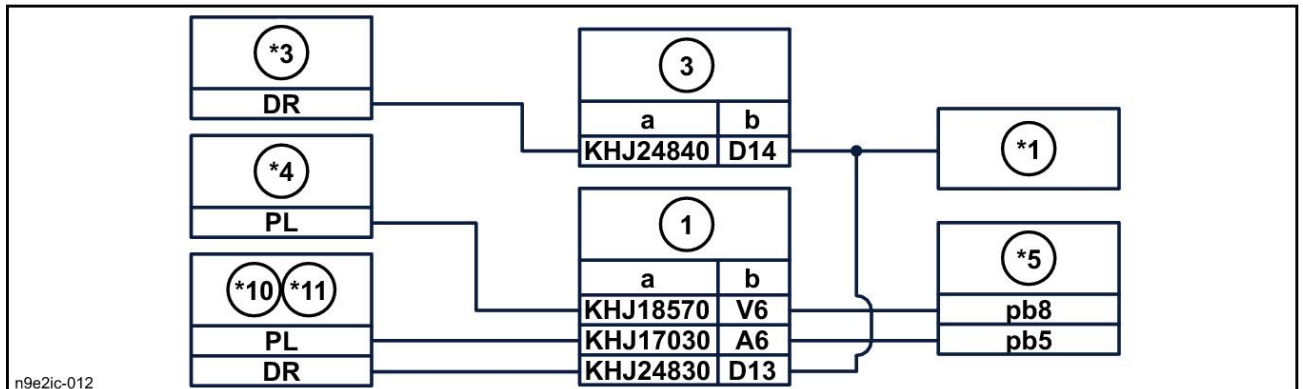
CX350C WE, CX370C



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Mise en place de la conduite de pilotage

- Schéma de raccordement des flexibles



n9e2ic-012

N9E2IC-012 2

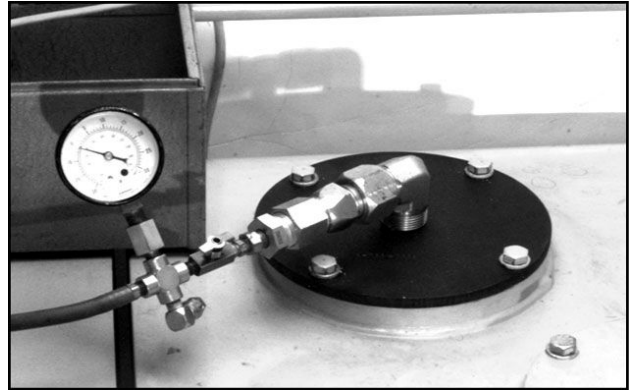
- | | | | |
|-------|-------------------------------|------|----------------------------|
| (*1) | Réservoir d'huile hydraulique | (3) | Flexible d'assemblage |
| (*5) | Distributeur | (3)a | Référence du flexible |
| (*3) | Clapet de maintien | (3)b | Désignation de la conduite |
| (*4) | Clapet de maintien | (1) | Flexible d'assemblage |
| (*10) | Conduite HBCV (PL) | (1)a | Référence du flexible |
| (*11) | Conduite HBCV (DR) | (1)b | Désignation de la conduite |

Orienter les raccords de flexible de manière à ce que les flexibles hydrauliques ne forment pas de coude.

Réservoir - Création d'une dépression (Dépose)

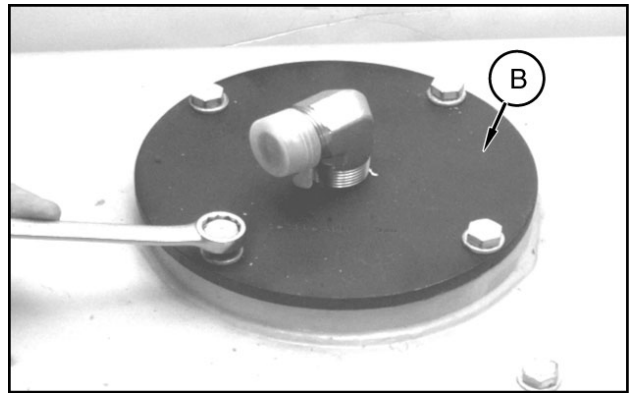
CX350C WE, CX370C

1. Débrancher le faisceau de la pompe à vide des batteries.



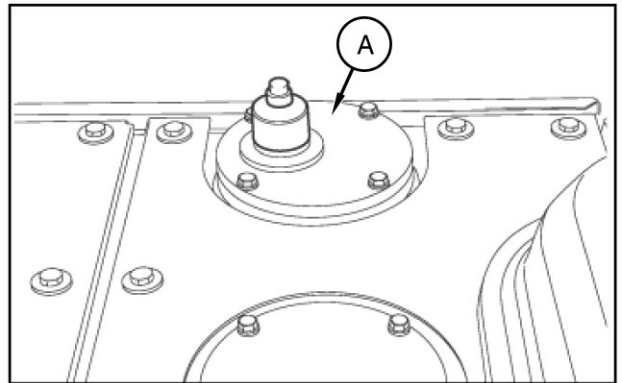
LPIL009L003A01 1

2. Débrancher la pompe à vide du raccord coudé de la plaque d'adaptation **(B)**.



LPIL009L002A01 2

3. Déposer la plaque d'adaptation **(B)** du réservoir hydraulique et mettre au rebut le joint torique.
4. Placer un joint torique neuf sur le réservoir hydraulique et mettre en place la plaque **(A)**.



LPIL009L001A01 3

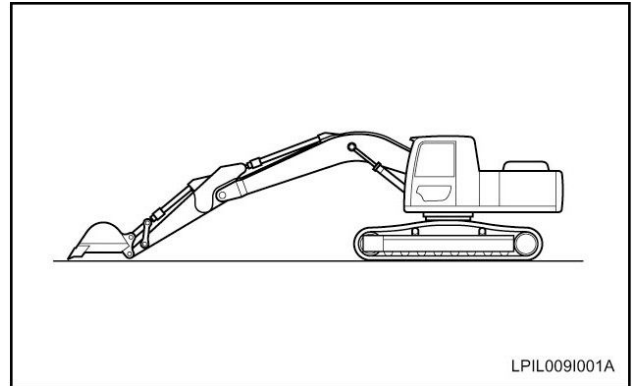
3 - MONTAGE

HBCV-SATZ MIT SCHLAUCHRISS-RÜCKSCHLAGVENTILEN

Hydraulikleitung - Druckminderung

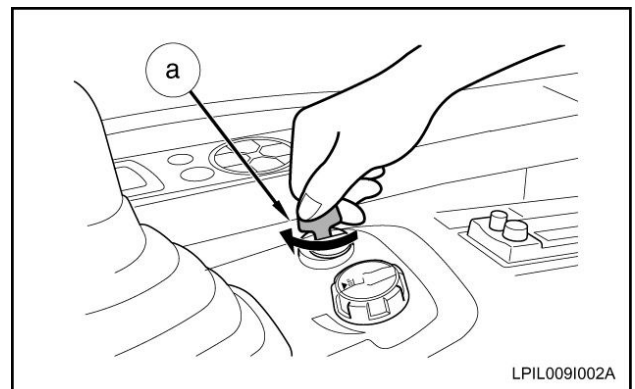
CX350C WE, CX370C

1. Die Haupteinheit auf einem festen und flachen Untergrund abstellen, den Löffelzylinder bis zum Anschlag ausfahren, den Pendelarmzylinder bis zum Anschlag ausfahren, den Ausleger senken und mit dem Pendelarmoberteil den Boden berühren.



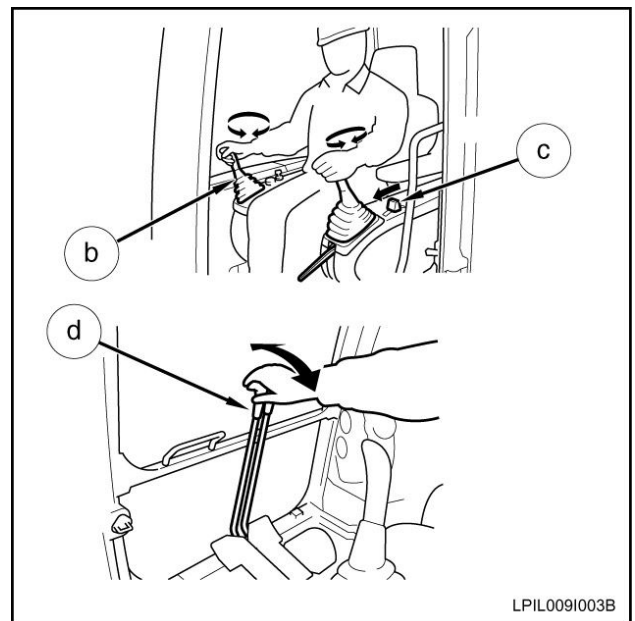
LPIL0091001A01 1

2. Den Zündschlüssel (a) OFF stellen, sicherstellen, dass der Motor gestoppt ist, dann den Zündschlüssel wieder ON stellen. Den Motor nicht starten.



LPIL0091002A 2

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



LPIL0091003B 3

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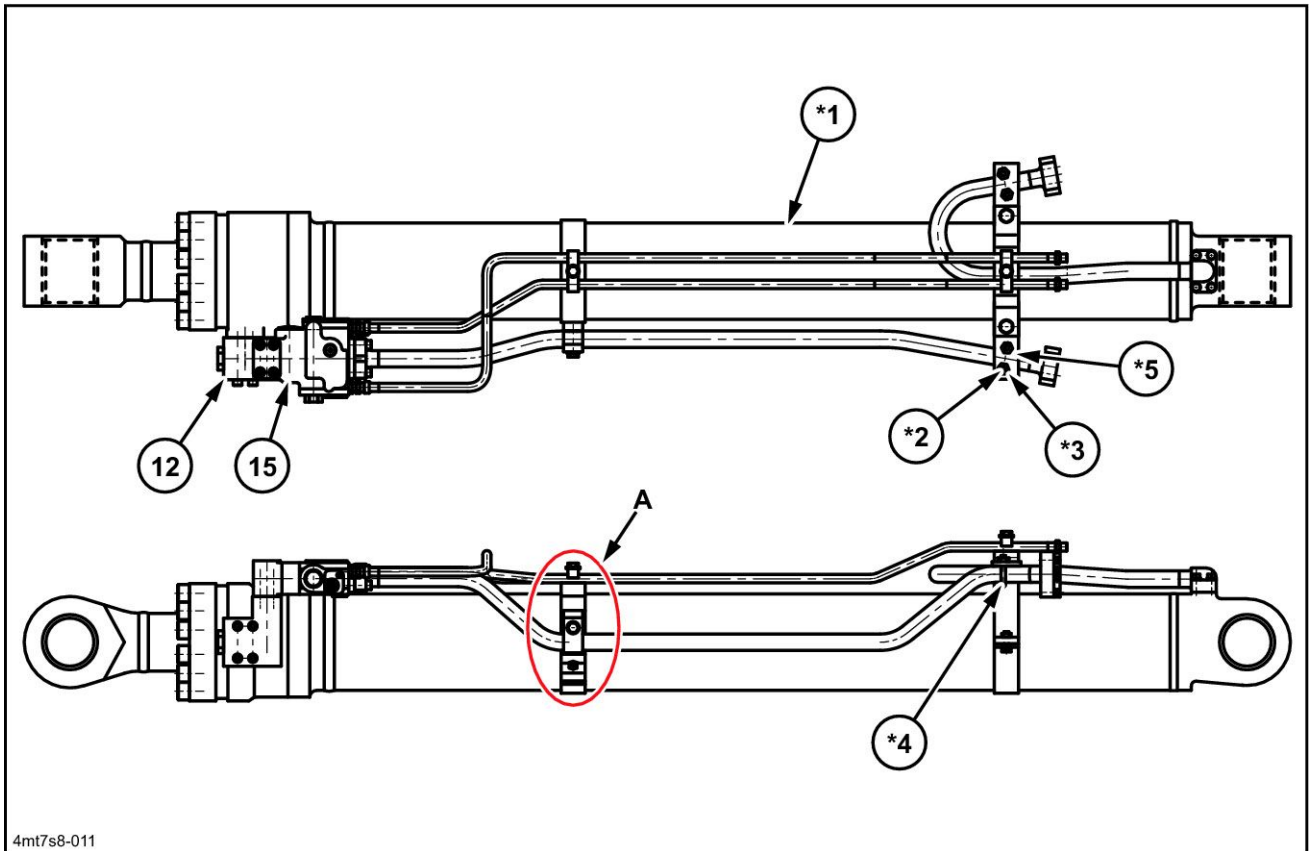


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Hydraulikleitung - Montieren (Pendelarmzylinder Schlauchrisrückschlagventil)

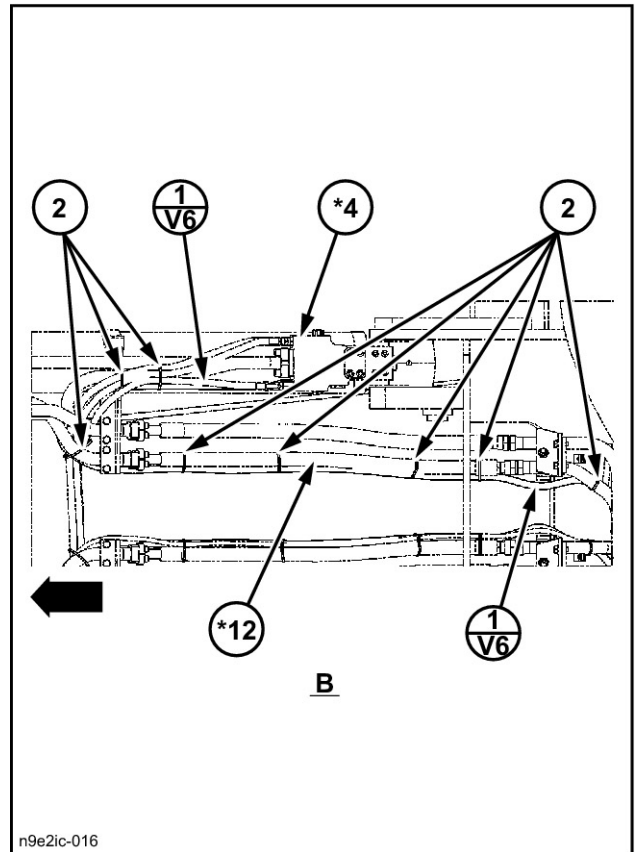
CX350C WE, CX370C



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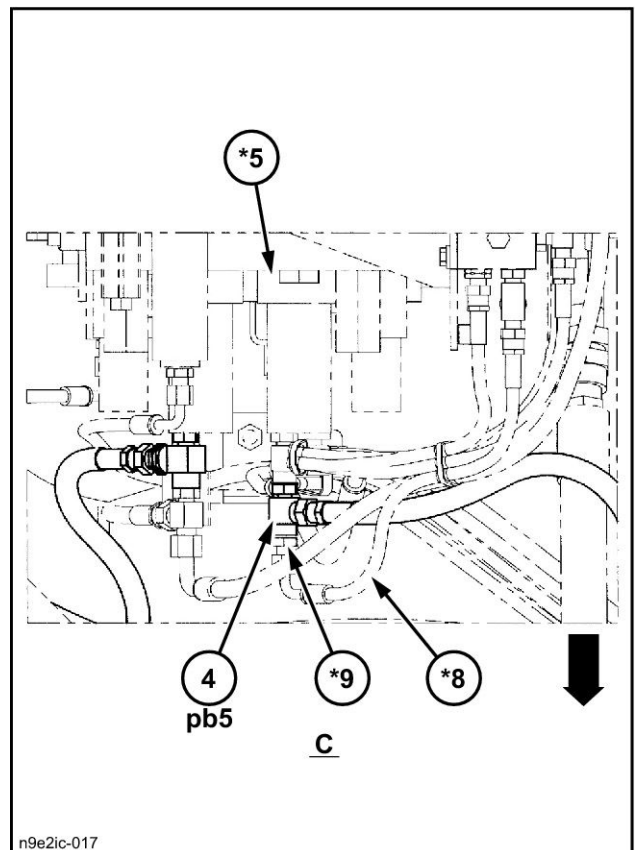
4. Den Anschluss pb8 des Steuerventils (*5) und Anschluss PL des Halteventils (*4) mit dem Verbindungsschlauch (1)/ (V6) verbinden.
Den Verbindungsschlauch (1)/ (V6) mit 8 Kabelbindern (2) befestigen
• Den Verbindungsschlauch (1)/ (V6) und die Auslegerleitung (*12) miteinander verbinden.
• Den Verbindungsschlauch (1)/ (V6) so anbringen, dass er nicht an die Löffelleitung stößt.



n9e2ic-016

N9E2IC-016 6

5. Die Steuerleitung A2 (*8) und den Schlauchadapter (*9) von Anschluss pb5 des Steuerventils (*5) entfernen und dann das T-Stück (4) anbringen.



n9e2ic-017

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INSTRUCCIONES DE INSTALACIÓN

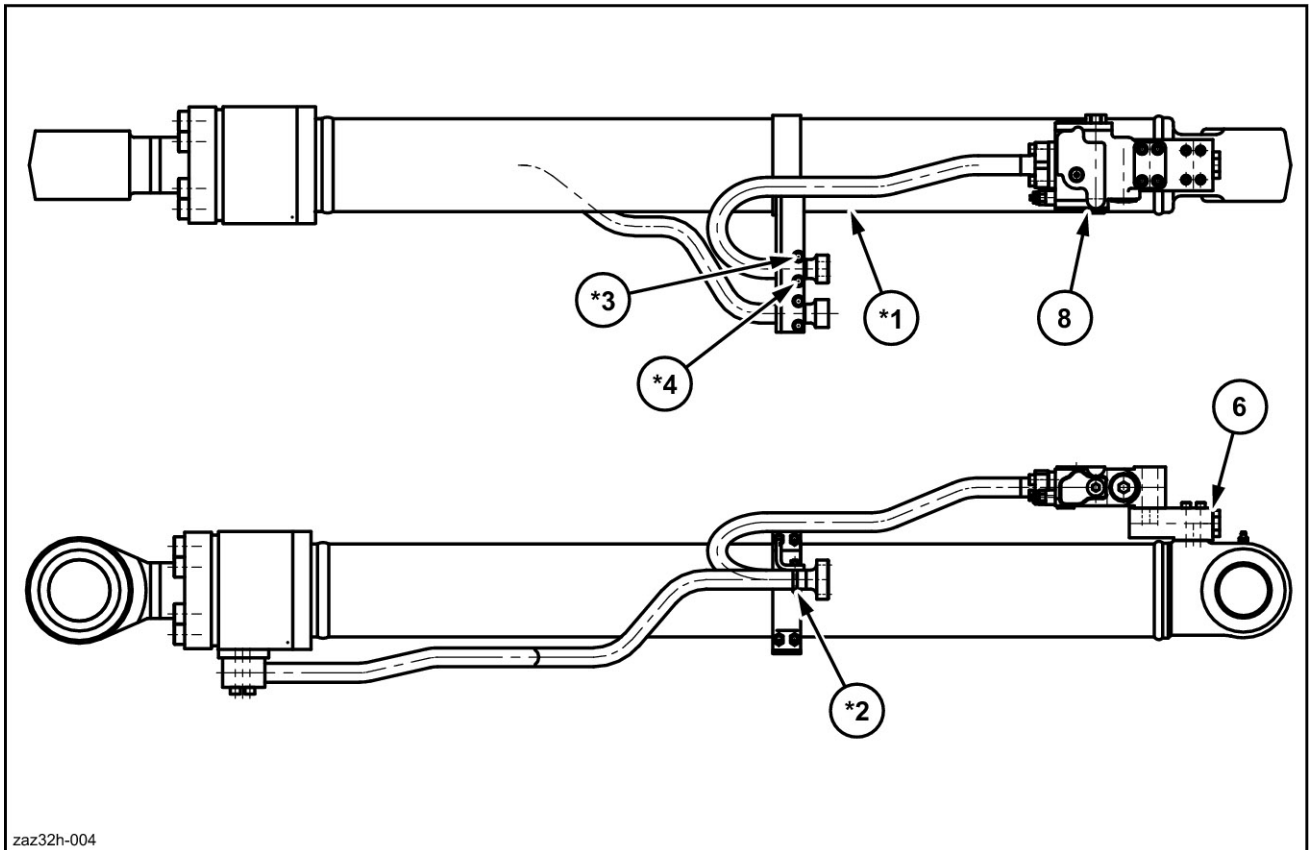
KG0SP789-00
KIT DE VÁLVULAS DE COMPROBACIÓN DE EXPLOSIONES DE LAS
MANGUERAS

TIEMPO DE INSTALACIÓN APROXIMADO: 8 horas

Válvula de seguridad - Instalar (Cilindro de pluma)

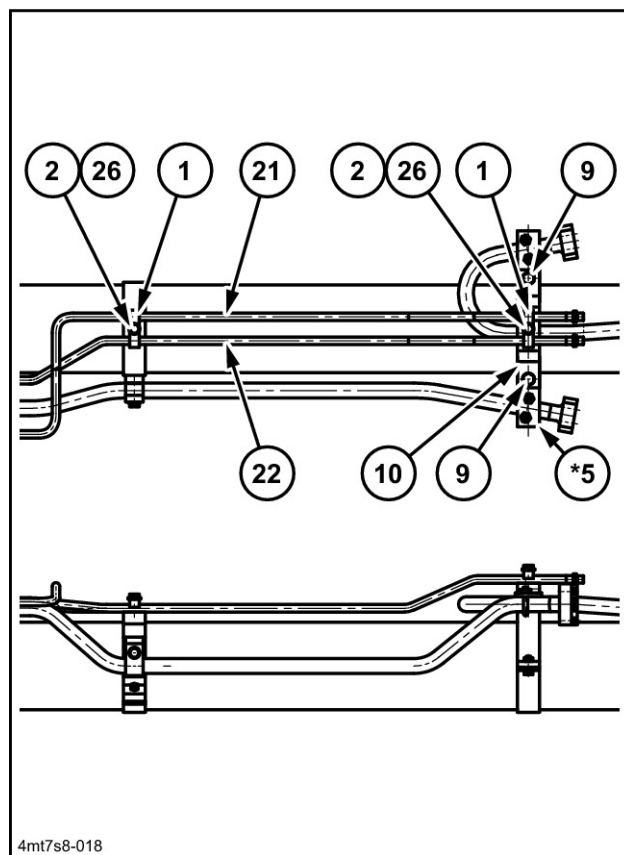
CX350C WE, CX370C

Cilindro de pluma izquierdo



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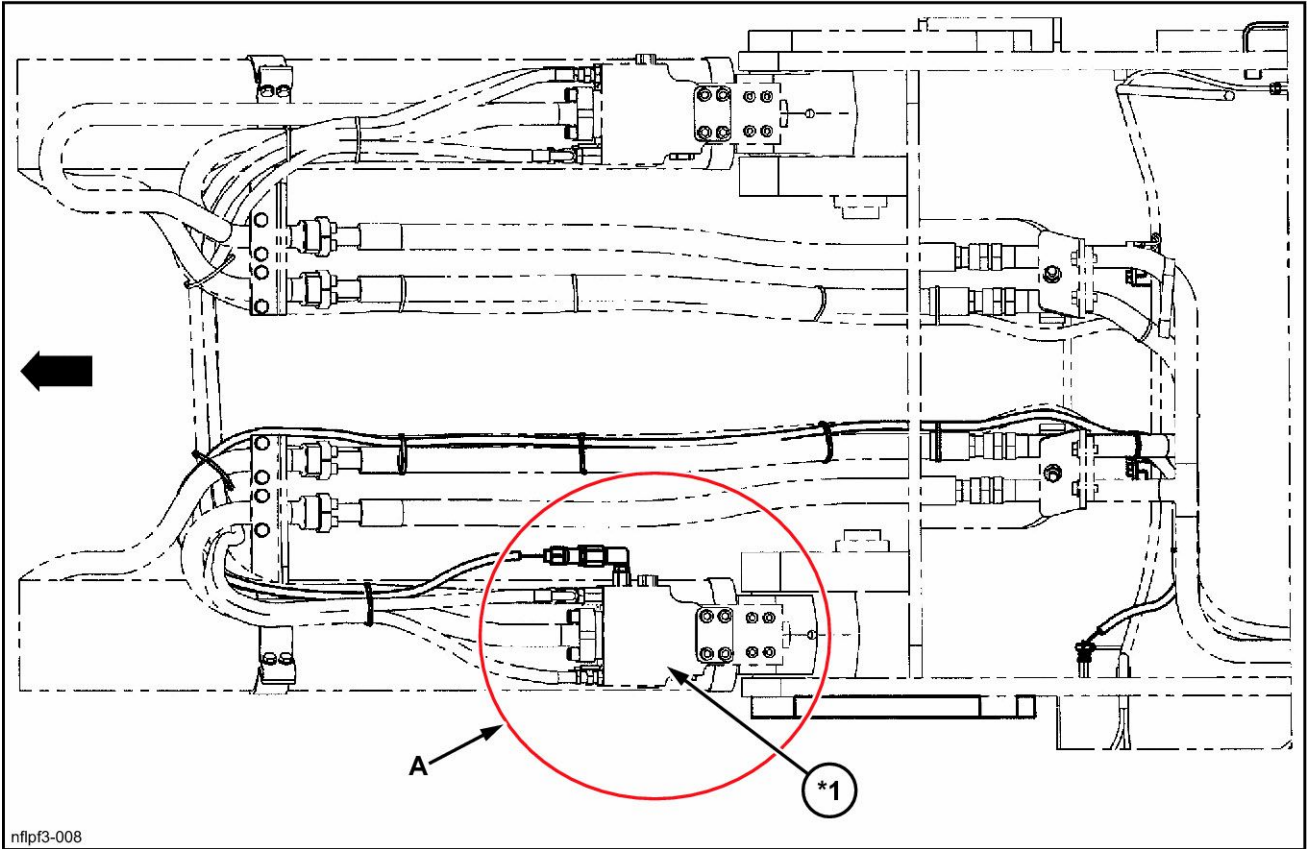
6. Instalar la placa **(10)** en la brida especial **(*5)** con los 2 pernos Sems **(9)**.
Sujetar el conjunto conducto (PL HBCV) **(22)** y el conjunto conducto (DR HBCV) **(21)** en 2 lugares diferentes con las bridas de tubo **(1)**, los pernos de alta resistencia **(2)** y las arandelas de alta resistencia **(26)**.



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Sistema sensor Sensor de presión - Instalar (Piezas eléctricas)

CX350C WE, CX370C



nflpf3-008

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Instalación del haz de conducto

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MONTAGGIO KIT VALVOLE DI RITEGNO SCOPPIO FLESSIBILI (HBCV).

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Valvola di sicurezza - Montaggio (Cilindro braccio) 3-10

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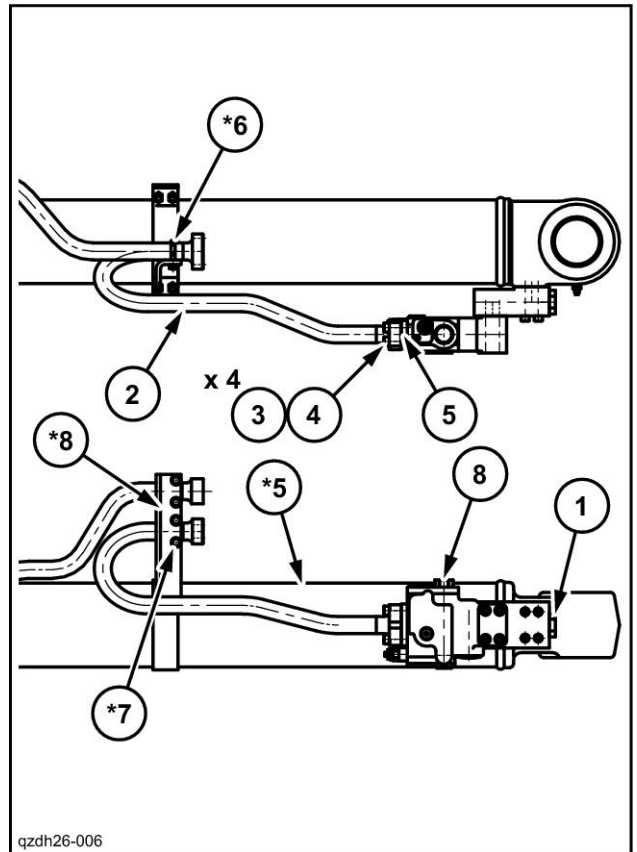
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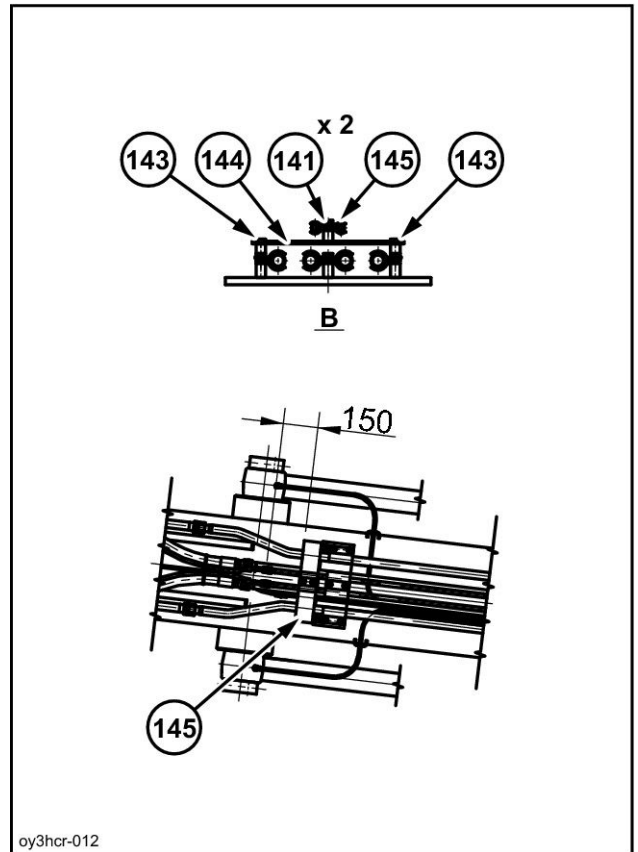
Tubazione idraulica - Spurgo (Cilindri dell'attrezzatura) 3-35

4. Posizionare l'O-ring (5) alla fine del gruppo della linea (valvola di sicurezza destra) (2), e poi montare sulla valvola di mantenimento (8) con le 4 viti a brugola (3).
- Coppia di serraggio:
74.9 - 109.9 N·m (662.8 - 972.7 lb in)
 - Applicare LOCTITE® 262 (4) sulle filettature delle viti a brugola (3).
- Usare il cavallotto (*6) per sistemare il gruppo della linea (valvola di sicurezza destra) (2) sul montante di sostegno (*8), e poi fissare con il dado (*7).

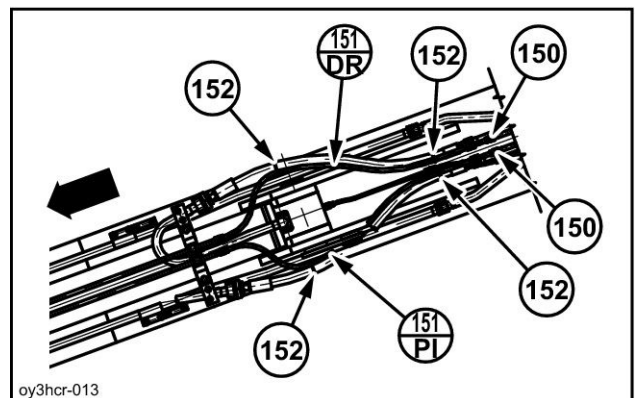


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9. Fissare la posizione (valvola di sicurezza centro braccio) (144) in 2 punti con le 2 viti a rondella prigioniera (143).
 Fissare i 2 gruppi linea (valvola di sicurezza) (150) in 2 punti con 1 fascetta stringitubo (145) ciascuno e le 2 viti a rondella prigioniera (141).
 • Fissare la fascetta stringitubo (145) in modo che la distanza dalla fine del gruppo della linea (valvola di sicurezza) (150) sia 150 mm (5.9 in).



10. Collegare il lato PI del gruppo della linea (valvola di sicurezza) (150) e il foro PL della valvola di mantenimento del carico (*1) con il flessibile (151)/ (PI).
 Collegare il lato DR del gruppo della linea (valvola di sicurezza) (150) e il foro DR della valvola di mantenimento del carico (*1) con il flessibile (151)/ (DR).
 Fissare i flessibili (151)/ (PI) ; (151)/ (DR) con le 2 fascette per i cavi (152).
 Fissare i flessibili (151)/ (PI) ; (151)/ (DR) con le 4 fascette (152).



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