INSTALLATION INSTRUCTIONS

KG0BP951-00

HOSE BURST CHECK VALVES (HBCV) KIT

APPROXIMATE INSTALLATION TIME: 8 hours

Le - 84485693
2506-00EU-610
Issue date May 2011
EN

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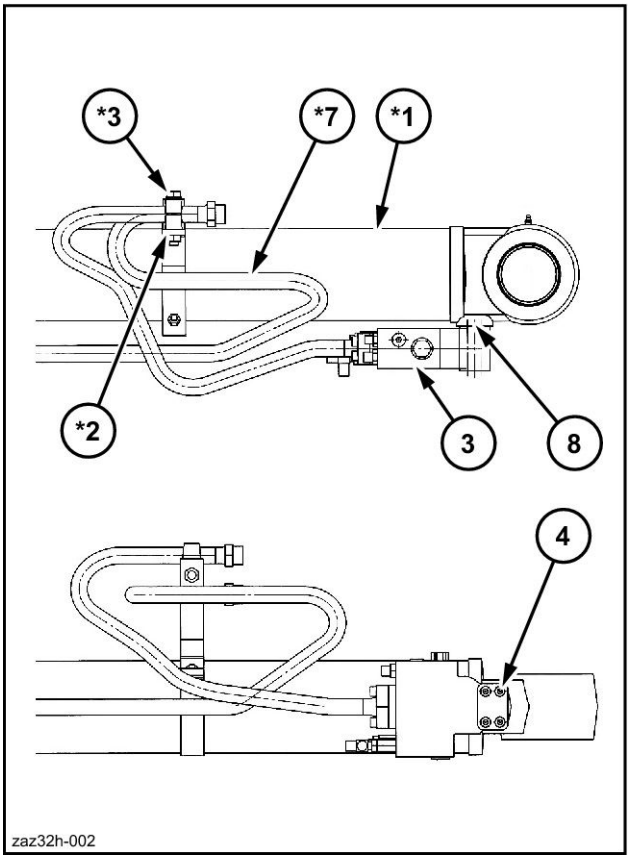
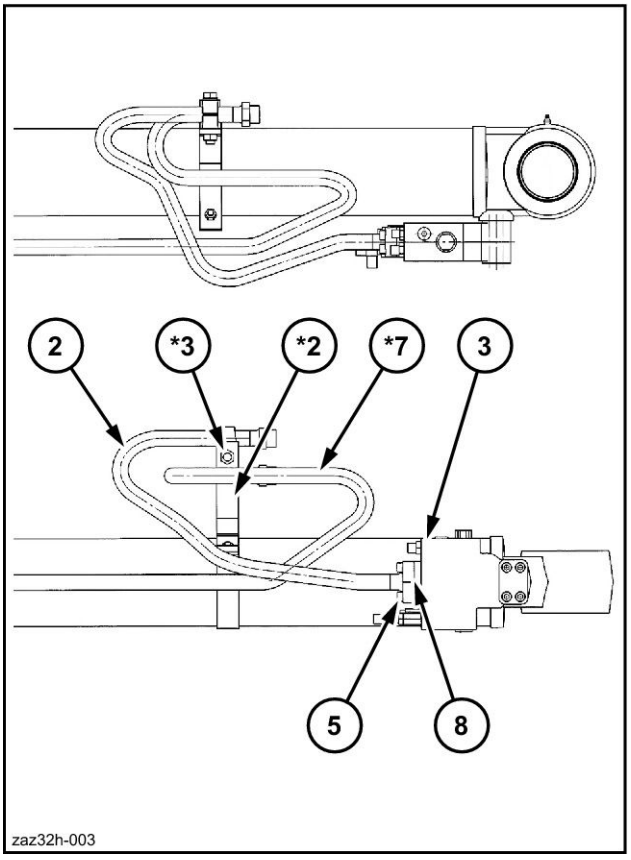
1. Remove the bolt (M14 × 2) **(*3)**, and then remove the clamp **(*2)**.
   Set the O-ring **(8)** on the holding valve **(3)**, and then install on the boom cylinder (left) **(*1)** with the 4 hexagon socket head bolts **(4)**.
   • Tightening torque:
   41.6 - 60.8 N·m (**368.2 - 538.1 lb in**)



ZAZ32H-002 2

2. Set the O-ring **(8)** on the end of the line assembly (left HBCV) **(2)**, and then install on the holding valve **(3)** with the 4 hexagon socket head bolts **(5)**.
   • Tightening torque:
   41.6 - 60.8 N·m (**368.2 - 538.1 lb in**)
   Set the line assembly (left HBCV) **(2)** and line **(*7)** on the clamp **(*2)**, and then fasten with the bolt (M14 × 2) **(*3)**.
   • Tightening torque:
   50.9 - 74.3 N·m (**450.5 - 657.6 lb in**)



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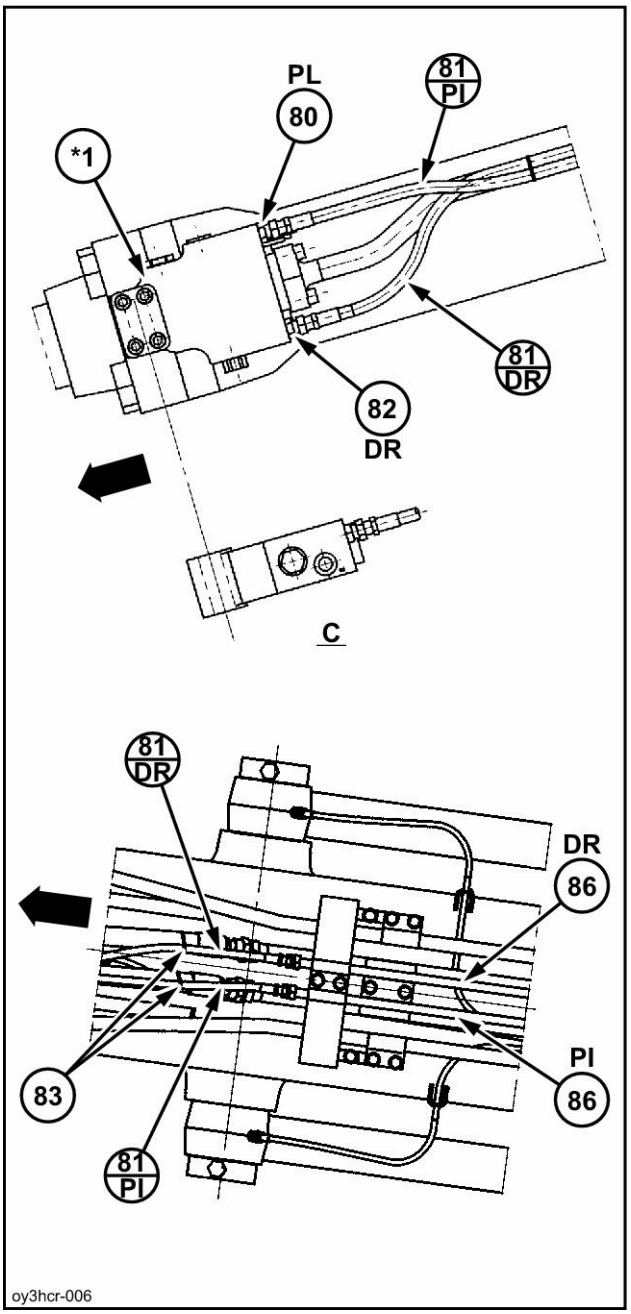
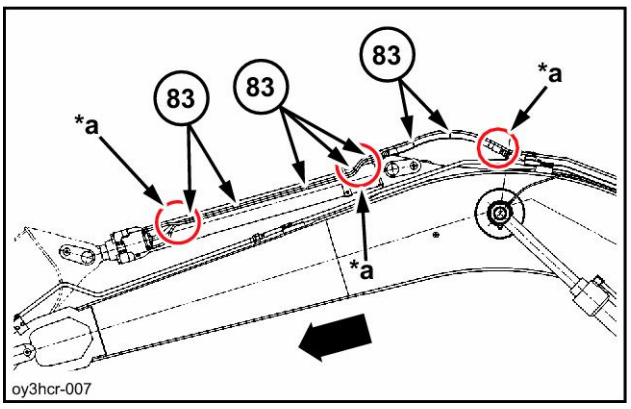
7. Install the hose adapter **(80)** on the holding valve **(*1)** PL port.
Connect the line assembly (HBCV) **(86)** PI side and holding valve **(*1)** PL port with the assembly hose **(81)**/ **(PI)**.
Install the hose adapter **(82)** on the holding valve **(*1)** DR port.
Connect the line assembly (HBCV) **(86)** DR side and holding valve **(*1)** DR port with the assembly hose **(81)**/ **(DR)**.
Fasten the assembly hoses **(81)**/ **(PI)** **(81)**/ **(DR)** with the 2 wire bands **(83)**.



OY3HCR-006 10

8. Fasten the assembly hoses **(81)**/ **(PI)** **(81)**/ **(DR)** with the 7 wire bands **(83)**.
• If there is excess hose, adjust the length at the ***a** positions (3 locations).



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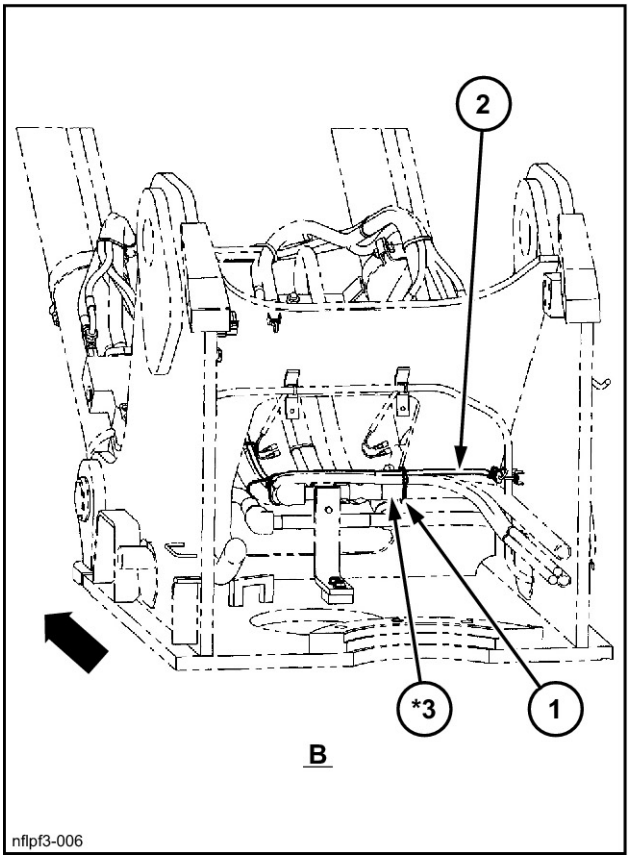
4. Fasten the overload warning wire harness **(2)** with the 1 wire band **(1)**.
   • Tighten the overload warning wire harness **(2)** together with the hydraulic hose **(*3)**.



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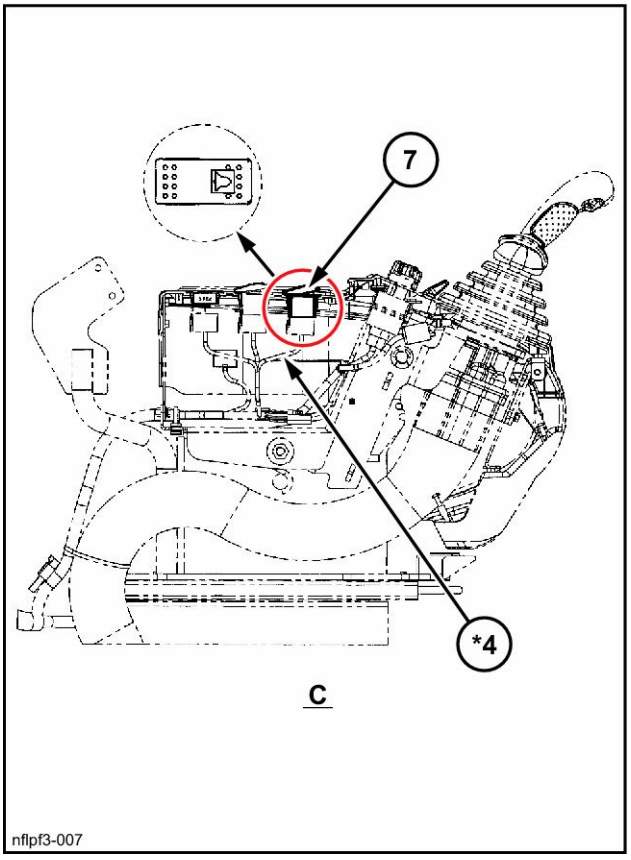
5. Connect the overload warning rocker switch **(7)** to the right console harness **(*4)** CN. B11 (10-pin) (blue tape).



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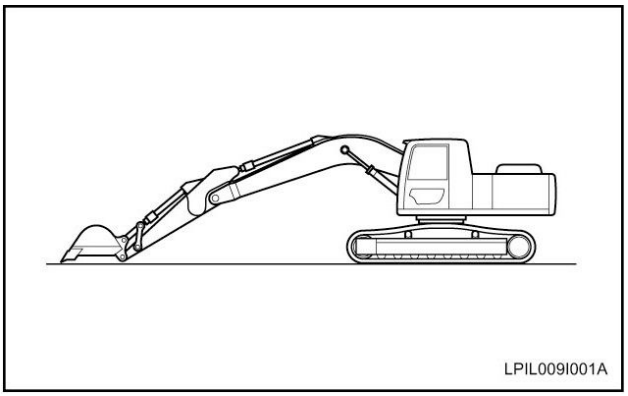
3 - ASSEMBLAGE

MONTAGE DU KIT DE CLAPETS ANTI-RETOUR EN CAS DE RUPTURE DE FLEXIBLE

Conduite hydraulique - Dépressurisation

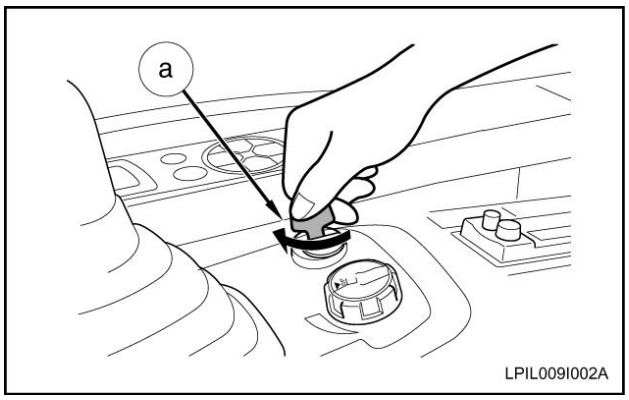
CX250C WE

1. Placer l'unité principale sur un sol ferme et plat, amener le vérin de godet en fin de course d'ouverture, le vérin de balancier en fin de course de sortie, abaisser la flèche et amener l'extrémité du balancier en contact avec le sol.



LPIL009I001A01 1

2. Placer la clé de démarrage **(a)** en position OFF (arrêt), vérifier que le moteur est bien arrêté, puis placer à nouveau la clé de démarrage en position ON (contact).
   Ne pas démarrer le moteur.



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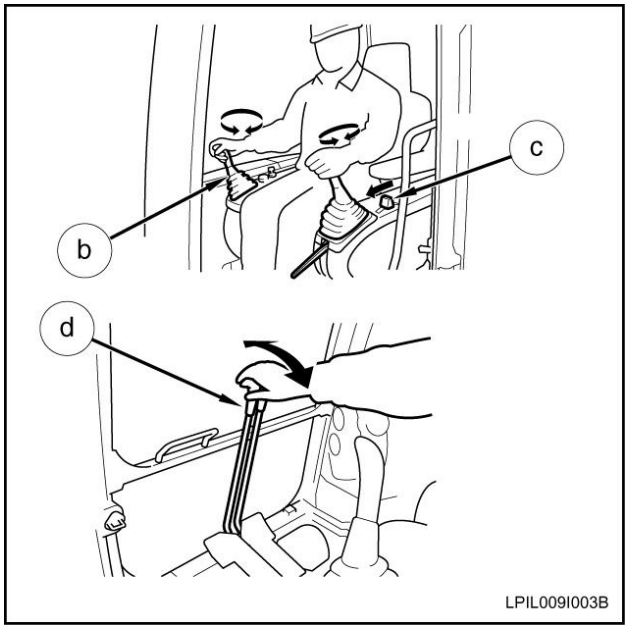
3. Evacuer la pression à l'intérieur du circuit : Basculer le levier **(c)** vers l'avant, puis actionner le levier de commande de la partie supérieure **(b)** en le faisant pivoter une dizaine de fois pour évacuer la pression. Déplacer le levier de translation **(d)** vers l'avant et vers l'arrière environ 5 fois pour évacuer la pression.



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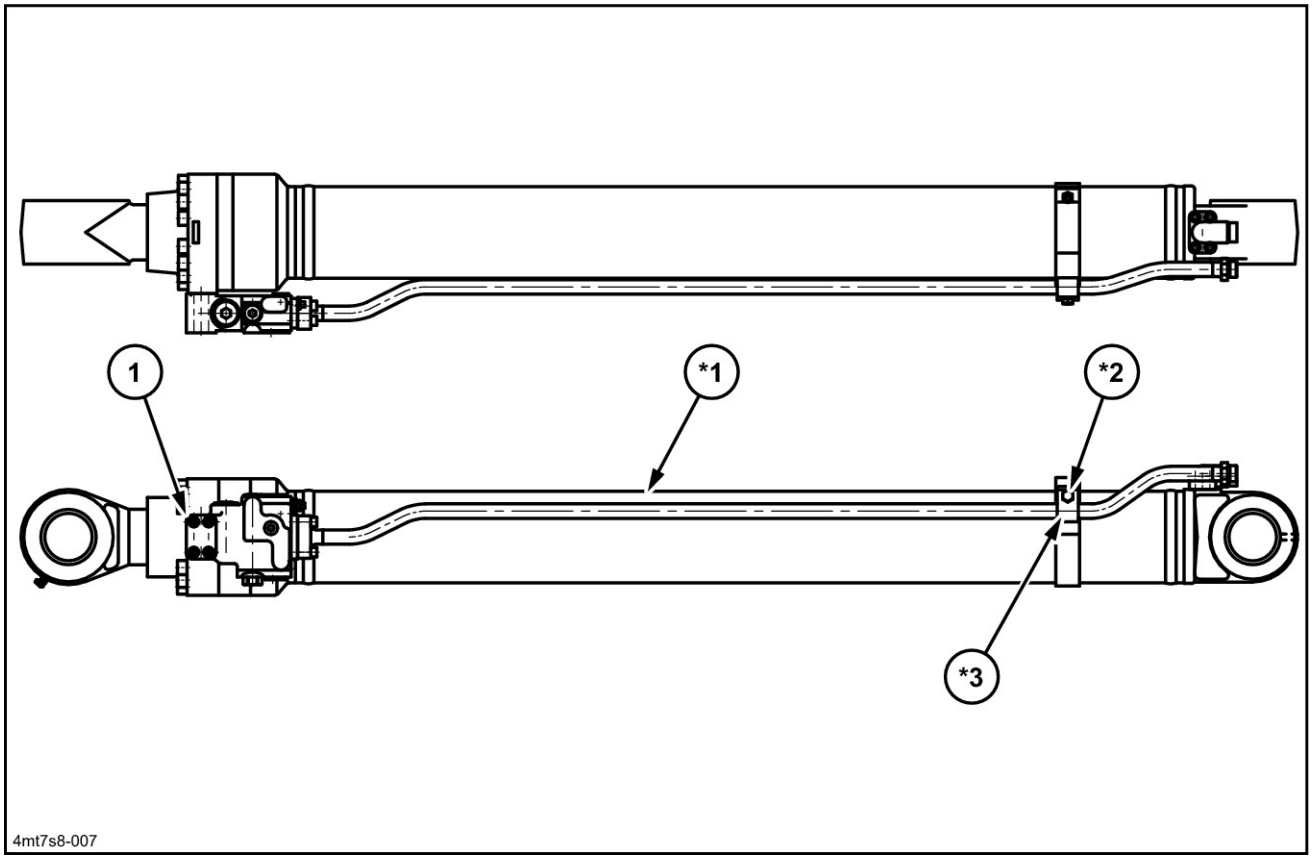
Conduite hydraulique - Pose (HBCV de vérin de balancier)

CX250C WE



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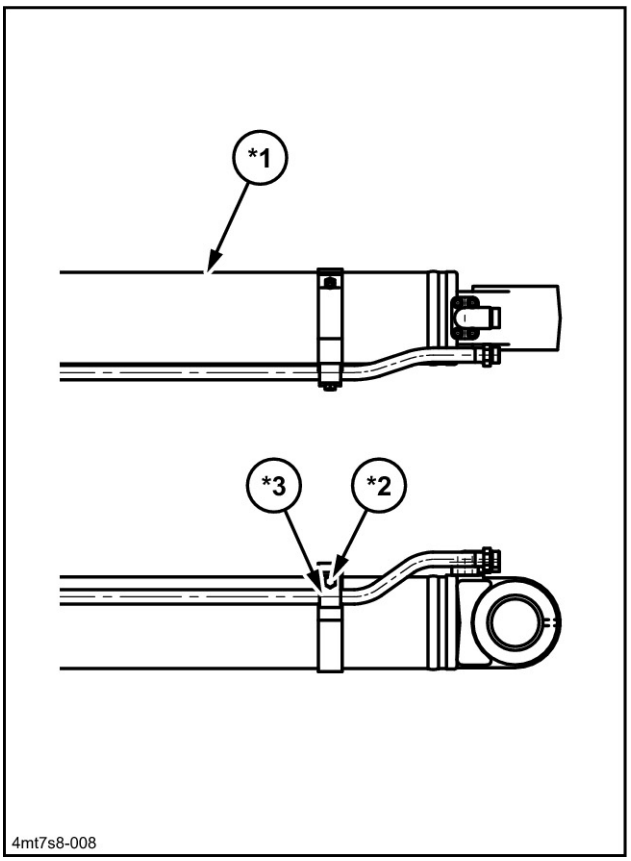
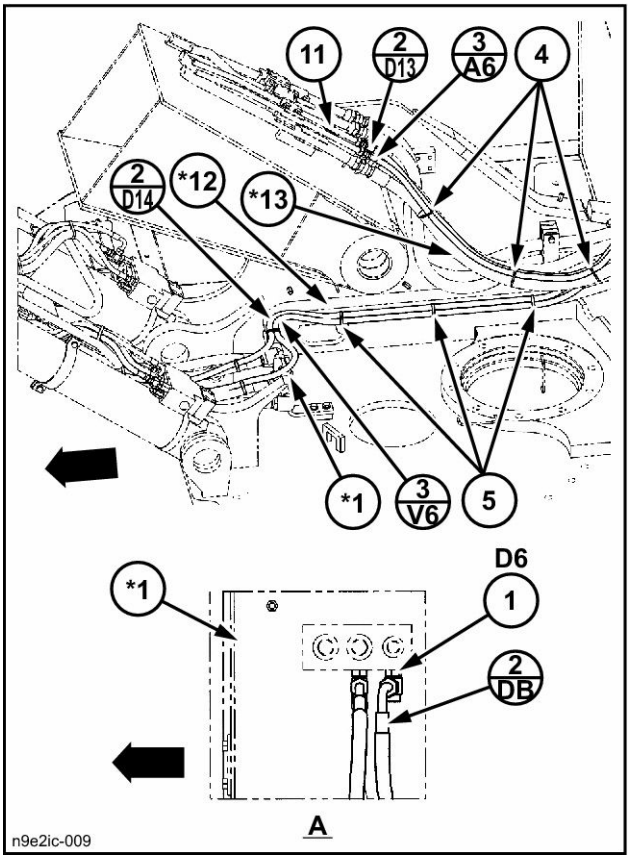
1. Déposer le boulon (M12 × 1.75) **(*2)**, puis déposer le collier **(*3)**.



4MT7S8-008 2

7. Mettre en place le té **(1)** sur l'orifice D6 du réservoir d'huile hydraulique **(*1)**.
• Mettre en place également le flexible de conduites de pilotage P et T déposées.
Raccorder l'orifice D6 du réservoir d'huile hydraulique **(*1)** et la conduite HBCV (DR) **(*11)** à l'aide du flexible d'assemblage **(2)**/ **(D13)**.
Fixer les flexibles d'assemblage **(3)**/ **(A6) (2)**/ **(D13)** à l'aide des 3 bracelets **(4)**.
• Serrer les flexibles d'assemblage **(3)**/ **(A6) (2)**/ **(D13)** conjointement avec la conduite de balancier **(*13)**.
Fixer les flexibles d'assemblage **(3)**/ **(V6) (2)**/ **(D14)** à l'aide des 3 bracelets **(5)**.
• Serrer les flexibles d'assemblage **(3)**/ **(V6) (2)**/ **(D14)** conjointement avec la conduite de flèche **(*12)**.



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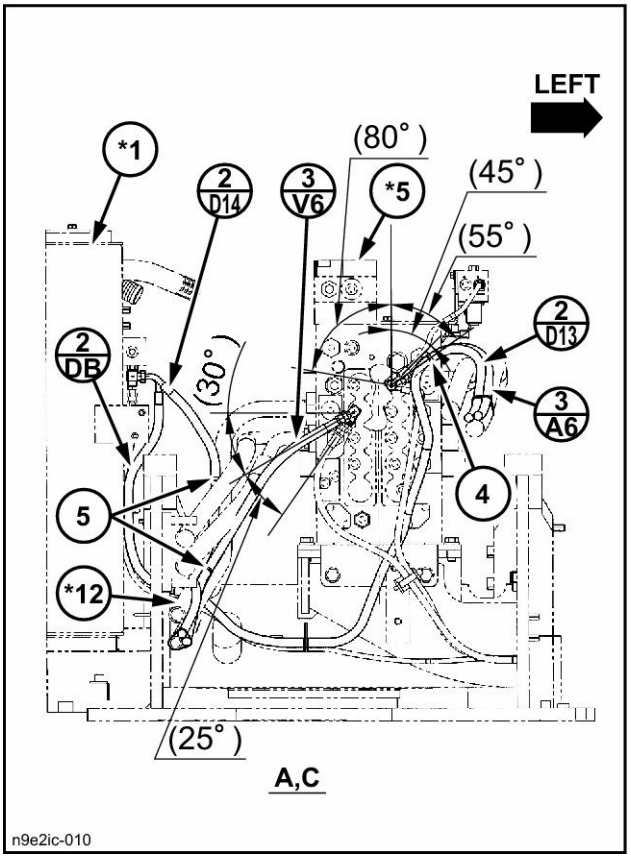
8. Fixer les flexibles d'assemblage **(2)**/ **(D13) (3)**/ **(A6)** à l'aide d'un bracelet **(4)**.
Fixer les flexibles d'assemblage **(2)**/ **(D14) (3)**/ **(V6)** à l'aide des 2 bracelets **(5)**.
• Les serrer conjointement avec la conduite de flèche **(*12)**.



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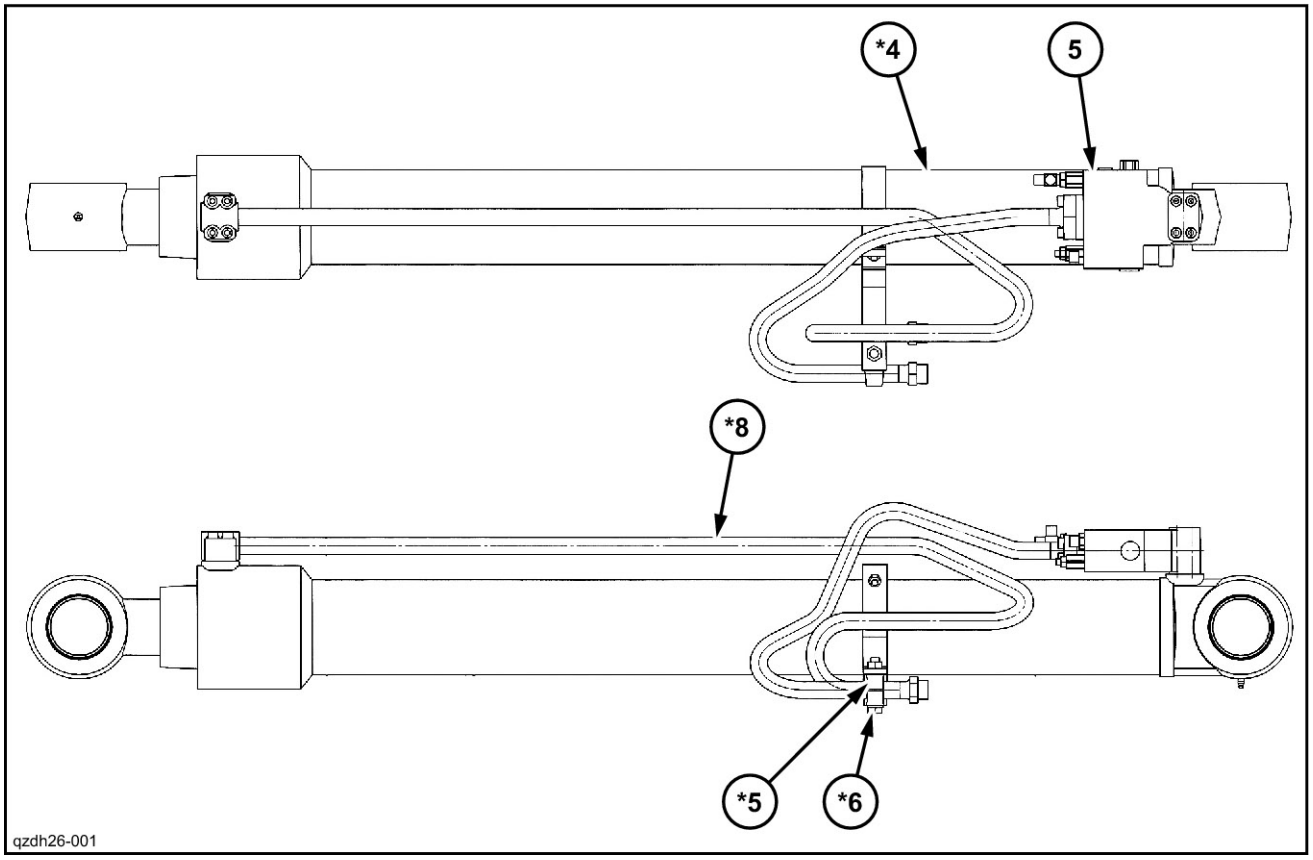
Rechter Auslegerzylinder



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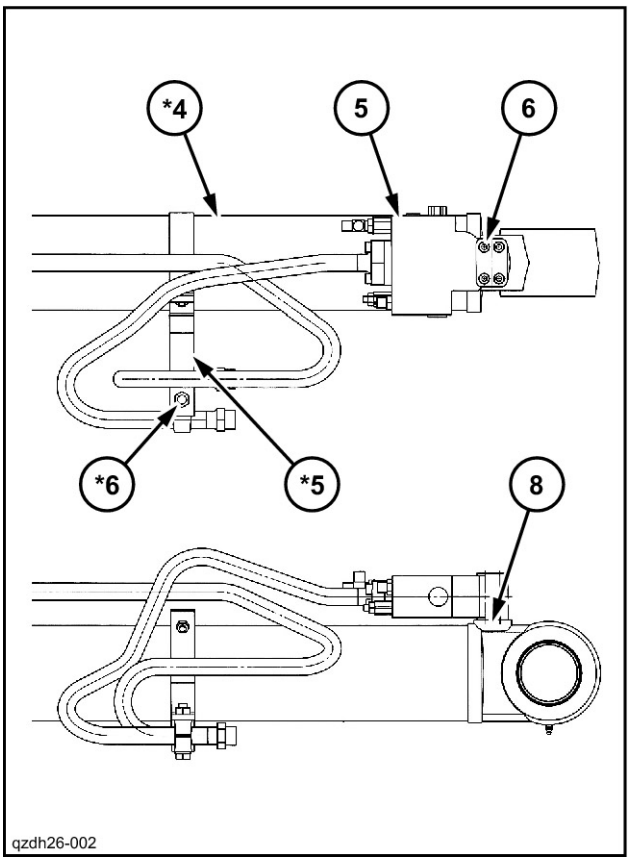
3. Die Schraube (M14 × 2) **(*6)** entfernen und dann die Klemme **(*5)** entfernen.
   Den O-Ring **(8)** am Halteventil **(5)** anbringen und dann am Auslegerzylinder (rechts) **(*4)** mit den 4 Innensechskantschrauben **(6)** anbringen.
   • Anzugsmoment:
   41.6 - 60.8 N·m (**368.2 - 538.1 lb in**)



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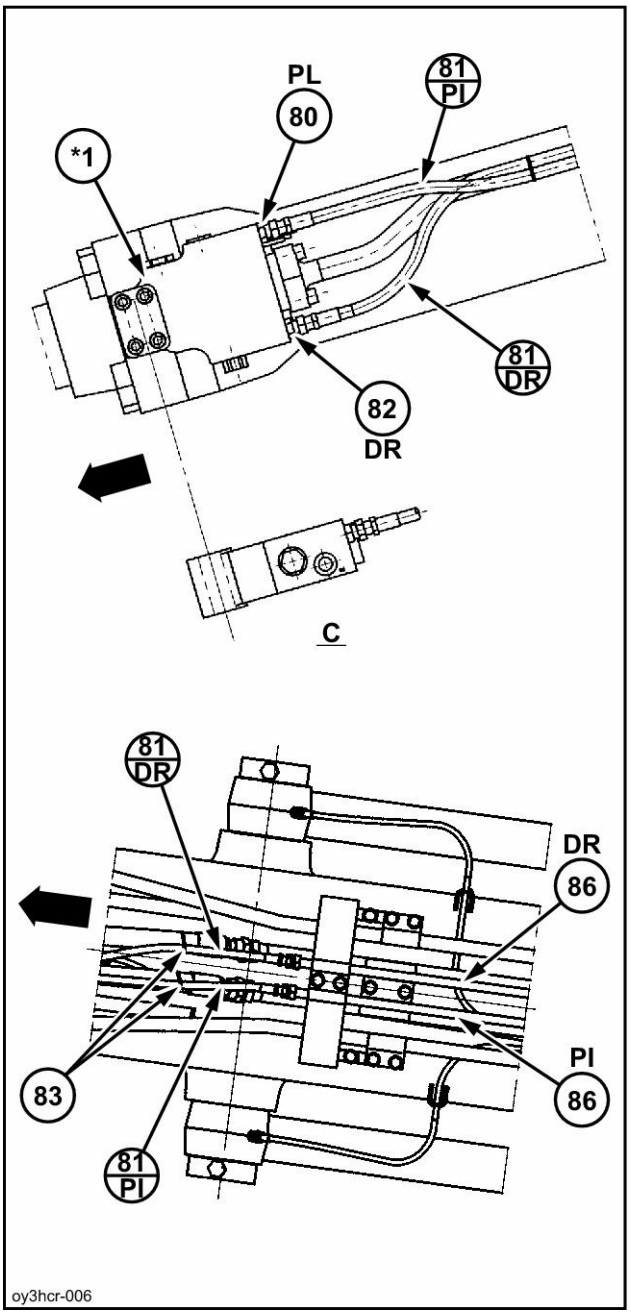
7. Den Schlauchadapter **(80)** an Anschluss PL des Halteventils **(*1)** anbringen.
Die PI-Seite der Leitungsbaugruppe (Schlauchriss-rückschlagventil) **(86)** und Anschluss PL des Halteventils **(*1)** mit dem Verbindungsschlauch **(81)**/ **(PI)** verbinden.
Den Schlauchadapter **(82)** an Anschluss DR des Halteventils **(*1)** anbringen.
Die DR-Seite der Leitungsbaugruppe (Schlauchriss-rückschlagventil) **(86)** und Anschluss DR des Halteventils **(*1)** mit dem Verbindungsschlauch **(81)**/ **(DR)** verbinden.
Die Verbindungsschläuche **(81)**/ **(PI) (81)**/ **(DR)** mit 2 Kabelbindern **(83)** befestigen.



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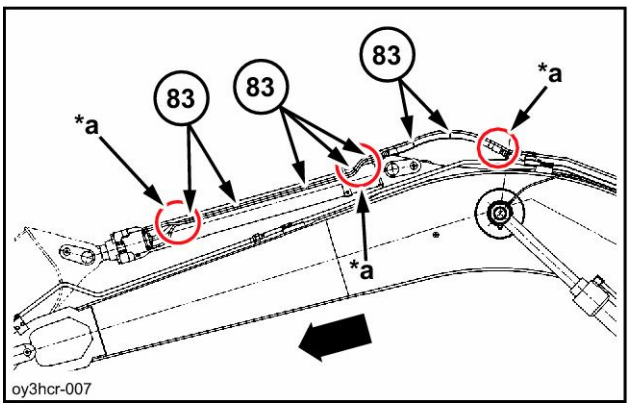
8. Die Verbindungsschläuche **(81)**/ **(PI) (81)**/ **(DR)** mit den 7 Kabelbindern **(83)** befestigen.
• Wenn die Schläuche zu lang sind, die Länge an den Positionen ***a** (3 Stellen) anpassen.



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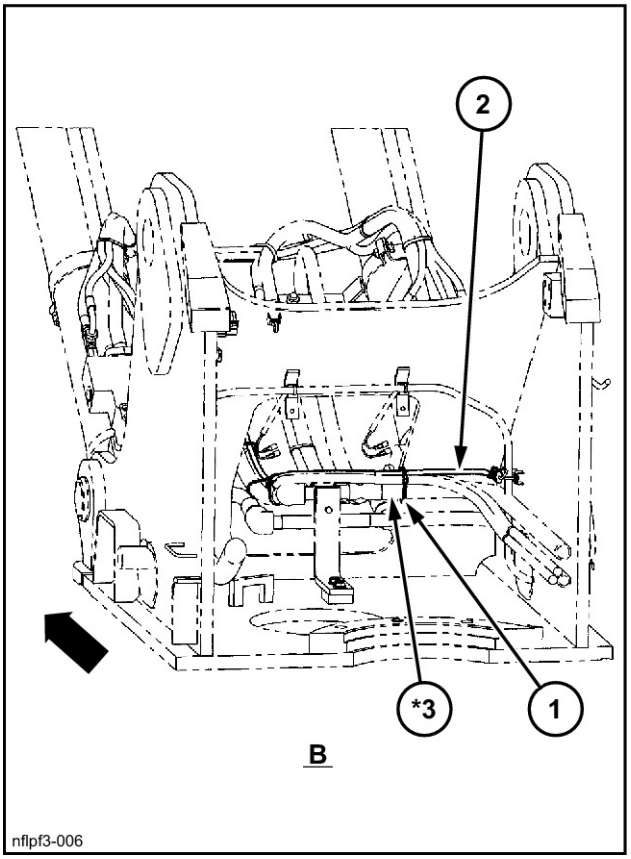
4. Den Überlast-Warnung-Kabelbaum **(2)** mit 1 Kabelbinder **(1)** befestigen.
   • Den Überlast-Warnung-Kabelbaum **(2)** und den Hydraulikschlauch **(*3)** miteinander verbinden.



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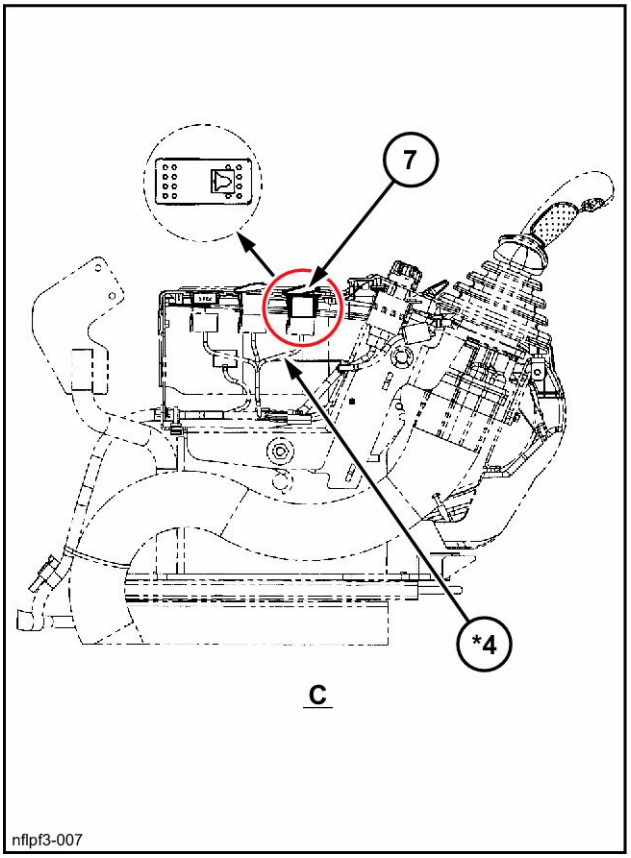
5. Den Überlast-Warnung-Wippschalter **(7)** an den rechten Konsolen-Kabelbaum **(*4)** CN. B11 (10-polig) (blaues Band) anschließen.



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2 - INFORMACIÓN GENERAL

Consejo

CX250C WE

NOTA: *En este documento, un símbolo* ***"*"*** *indica que la pieza está montada en la máquina. (por ejemplo* ***(*n)****).*

Elementos a preparar

- Llaves:
  13 mm (**0.5 in**);
  19 mm (**0.75 in**);
  22 mm (**0.86 in**);
  27 mm (**1.1 in**)
- Llaves tubulares:
  13 mm (**0.5 in**);
  19 mm (**0.75 in**);
  22 mm (**0.86 in**)
- Llaves hexagonales:
  8 mm (**0.3 in**)
  10 mm (**0.4 in**)
- Trapo

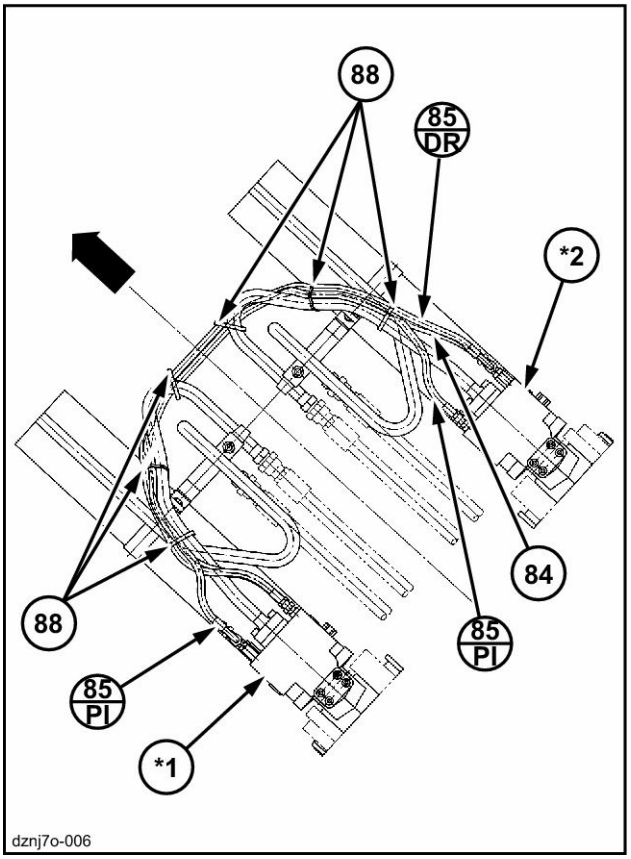
NOTA: *Para las conexiones eléctricas y los tubos flexibles, consultar los esquemas hidráulicos y eléctricos del Manual de mantenimiento.*

NOTA: *Se indican en estas instrucciones los pares específicos.*
Si no se indica ningún par, utilizar los pares estándar del Manual de mantenimiento.

NOTA: *Las dimensiones de las figuras se indican en* ***mm***

NOTA: *Esta flecha (utilizada en las ilustraciones) indica el lado delantero de la máquina.*

8. Sujetar los tubos flexibles (**(85)**/ **(Pl) (85)**/ **(DR)**) y el tubo flexible hidráulico **(84)** con las 6 telas metálicas **(88)**.



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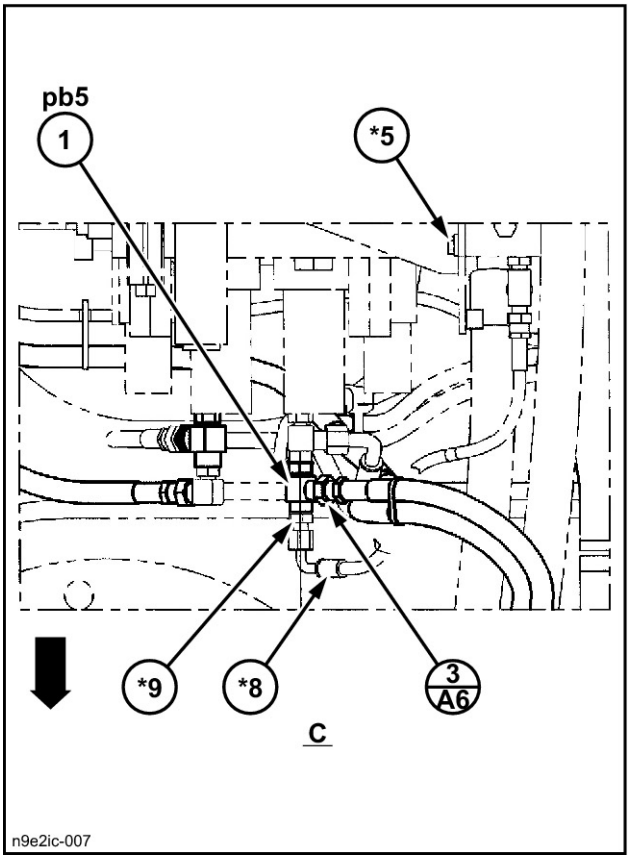
5. Retirar el conducto de pilotaje A2 **(*8)** y el adaptador de tubo flexible **(*9)** del orificio pb5 de la válvula de control **(*5)** y, luego, montar la pieza en T **(1)**.



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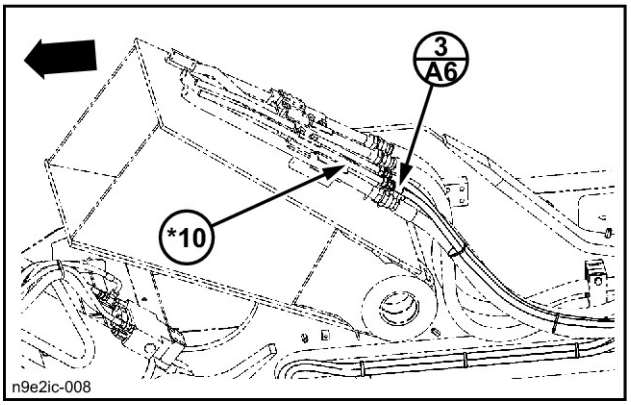
6. Conectar el orificio pb5 de la válvula de control **(*5)** y el conducto HBCV (PL) **(*10)** con los tubos flexibles **(3)**/ **(A6)**.



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ISTRUZIONI DI MONTAGGIO

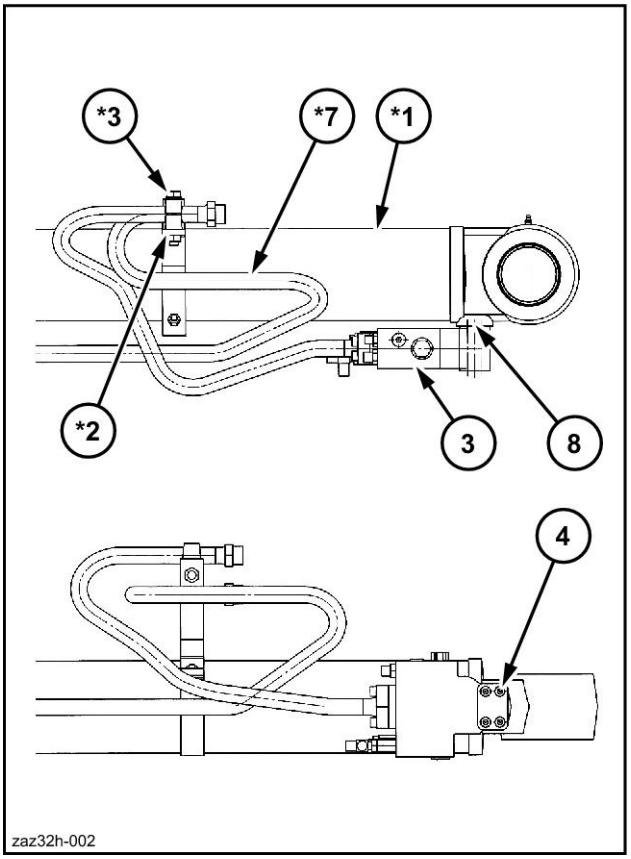
KG0BP951-00

KIT VALVOLE DI RITEGNO SCOPPIO FLESSIBILI (HBCV).

TEMPO DI MONTAGGIO APPROSSIMATIVO: 8 ore

Le - 84485693IT
2506-00EU-610
Data di pubblicazione May 2011
IT

1. Togliere la vite (M14 × 2) **(*3)**, e poi togliere la fascetta **(*2)**.
   Posizionare l'O-ring **(8)** sulla valvola di mantenimento **(3)**, e poi montare sul cilindro del braccio (sinistro) **(*1)** con le 4 viti a brugola **(4)**.
   • Coppia di serraggio:
   41.6 - 60.8 N·m (**368.2 - 538.1 lb in**)



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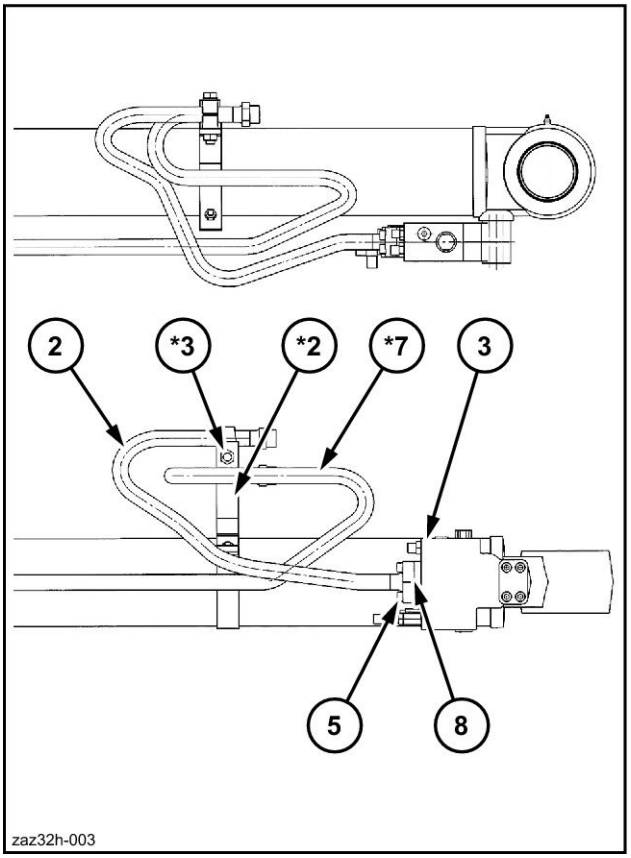
2. Posizionare l'O-ring **(8)** alla fine del gruppo della linea (valvola di sicurezza sinistra) **(2)**, e poi montare sulla valvola di mantenimento **(3)** con le 4 viti a brugola **(5)**.
   • Coppia di serraggio:
   41.6 - 60.8 N·m (**368.2 - 538.1 lb in**)
   Posizionare il gruppo della linea (valvola di sicurezza sinistra) **(2)** e la linea **(*7)** sulla fascetta **(*2)**, e poi fissare con la vite (M14 × 2) **(*3)**.
   • Coppia di serraggio:
   50.9 - 74.3 N·m (**450.5 - 657.6 lb in**)



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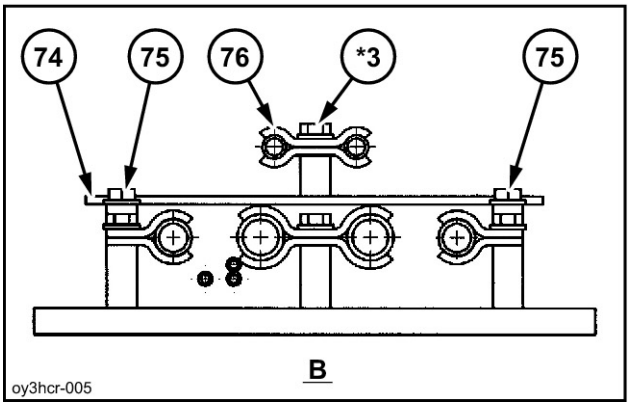
6. Fissare la posizione (valvola di sicurezza parte centrale braccio) **(74)** in 2 posizioni con le 2 viti a rondella prigioniera **(75)**.
Togliere le 2 viti a rondella prigioniera **(*3)** dai 2 punti.
Fissare i 2 gruppi della linea (valvola di sicurezza) **(86)** in 2 punti con la fascetta stringitubo **(76)** e le 2 viti a rondella prigioniera **(*3)**.
• Fissare la fascetta stringitubo **(76)** in una posizione **(*4)** dalla fine del gruppo linea (valvola di sicurezza) **(86)** che sia a **250 mm** (**9.8 in**).



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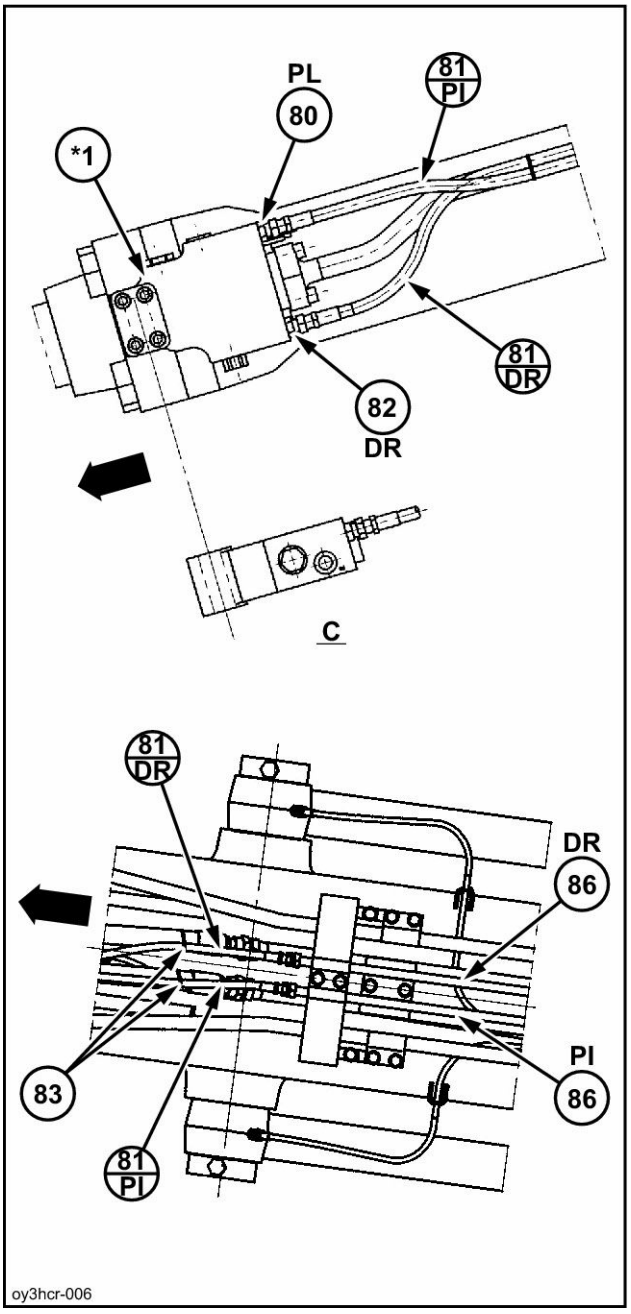
7. Montare l'adattatore del flessibile **(80)** sul foro PL della valvola di mantenimento **(*1)**.
Collegare il lato PI del gruppo della linea (valvola di sicurezza) **(86)** e il foro PL della valvola di mantenimento **(*1)** al flessibile **(81)**/ **(PI)**.
Montare l'adattatore del flessibile **(82)** sul foro DR della valvola di mantenimento **(*1)**.
Collegare il lato DR al gruppo della linea (valvola di sicurezza) **(86)** e il foro DR della valvola di mantenimento **(*1)** con il flessibile **(81)**/ **(DR)**.
Fissare i flessibili **(81)**/ **(PI)** **(81)**/ **(DR)** con le 2 fascette per i cavi **(83)**.



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