

ORIGINAL INSTRUCTIONS - according to Directive 2006/42/EC, Annex I 1.7.4.1

580ST

590ST

695ST

Stage IV

Tractor Loader Backhoe

PIN NZHH02885 and above

OPERATOR'S MANUAL

Part number 51421504

1st edition English

December 2018



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1 - GENERAL INFORMATION

Note to the owner

Read this manual before you start the engine or operate the machine. If you need more information, see your CASE CONSTRUCTION dealer.

This manual contains important information about the safe operation, adjustment, and maintenance of your loader backhoe. This manual is divided into chapters as outlined in the table of contents. Refer to the index at the end of this manual for locating specific items about your machine. The loader backhoe conforms to current safety regulations.

Read this manual carefully, paying particular attention to the instructions concerning safety, operation, and maintenance so as to avoid the risk of injury while operating or servicing the machine. The machine has been designed and manufactured according to the strictest quality standards and complies with the standard **2006/42/EC**. However, the risk of accidents can never be completely excluded. That is why it is essential to observe elementary safety rules and precautions.

DO NOT operate or permit anyone to operate or service this machine until you or the other persons have read and understand the safety, operation, and maintenance instructions in this manual. Use only trained operators who have demonstrated the ability to operate and service this machine correctly and safely.

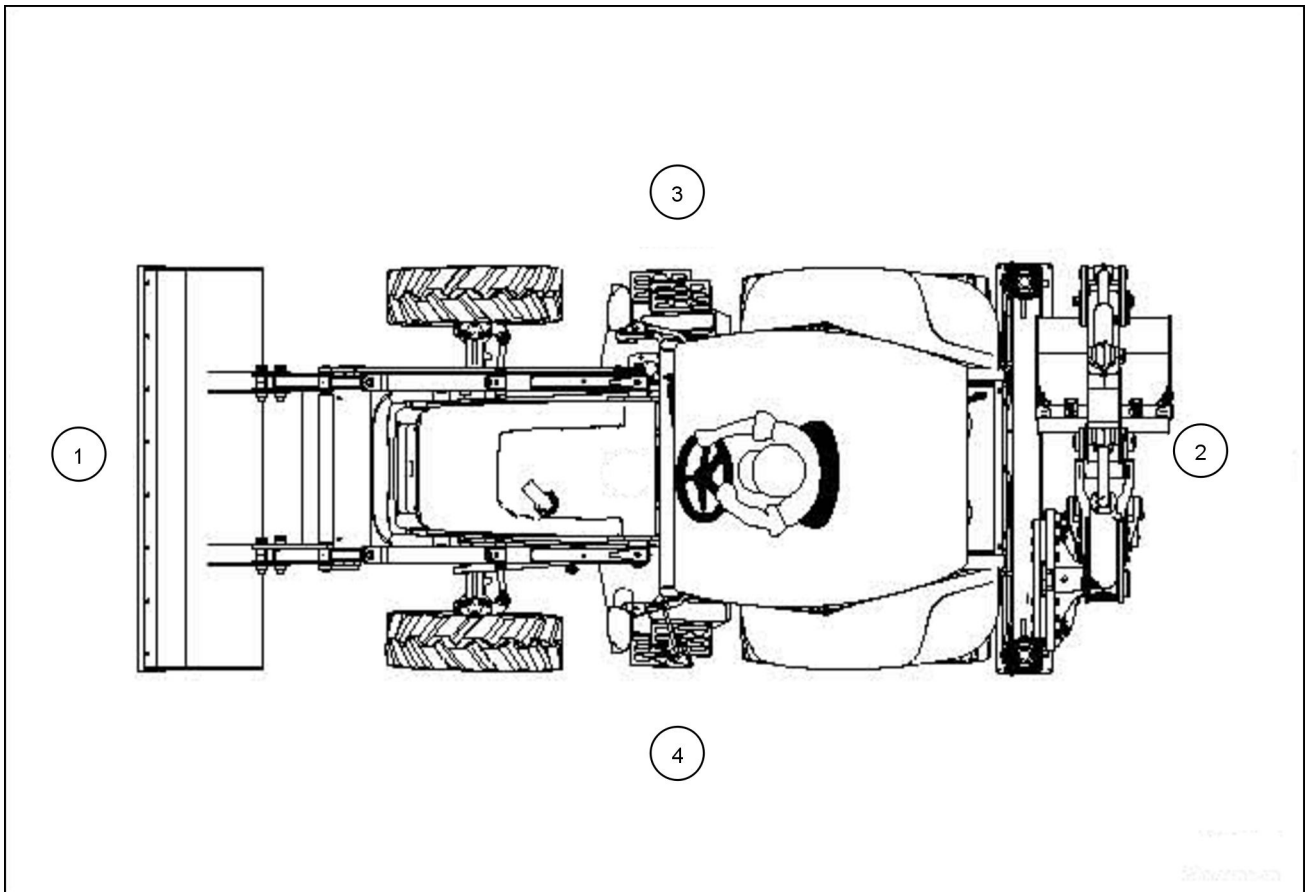
The information in this manual is provided on the basis of information that was available at the time that the manual was written. Settings, procedures, part numbers, software, and other items can change. These changes can affect the service that is given to the machine. Ensure that you have the complete and most current information from your dealer before you start any machine operation.

Store the operator's manual in the manual compartment equipped on this machine. Make sure this manual is complete and in good condition. Consult your dealer to obtain additional manuals or manuals in other languages.

Contact your dealer for any further information or assistance about your machine. Your dealer has CASE CONSTRUCTION approved service parts. Your dealer has technicians with special training that know the best methods of repair and maintenance for your machine.

Machine orientation

The terms right-hand, left-hand, front, and rear are used in this manual to indicate the sides of the machine as they are seen from the operator's seat.



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- | | | | |
|----|------------|----|-----------------|
| 1. | Front side | 3. | Right-hand side |
| 2. | Rear side | 4. | Left-hand side |

1 - GENERAL INFORMATION

(IT) DICHIARAZIONE "CE" DI CONFORMITÀ

Il sottoscritto dichiara che la suddetta macchina è stata progettata e costruita in conformità alle seguenti Direttive Europee, come enunciate, e ai decreti e regolamenti che le implementano nelle leggi nazionali.

- 1.1 Norme europee armonizzate nel cui rispetto la conformità è dichiarata
- 1.2 Principali componenti di sicurezza montati e forniti con la macchina
- 1.2.1 Struttura di protezione con il cuneo di aggancio (F.O.P.S.)
- 1.2.2 Variante per la movimentazione dei carichi sospesi (...)
- 1.2.3 Struttura di protezione in caso di ribaltamento (R.O.P.S.)
- 1.2.4 Protezione frontale
- 1.2.5 Struttura di protezione in caso di rovesciamento laterale (T.O.P.S.)
- 1.2.6 Piattaforma per il sollevamento di persone (H+3m)
- 1.2.6.1 Entro notificato coinvolto
- 1.3 Altezze installate
- 1.4 Nome ed indirizzo della persona autorizzata a costituire il fascicolo tecnico
- 1.5 Procedura di avvertimento delle conformità seguita
- 2.2 Nome e indirizzo dell'Organismo Notificatore coinvolto
- 2.3 Livello di potenza sonora misurato
- 2.4 Livello di potenza sonora garantito
- 2.5 Potenza del motore (come definita nel ...)
- 2.6 Detentore della documentazione tecnica
- 3.1 Norme europee armonizzate nelle cui rispettive conformità è dichiarata
4. Altre Direttive applicabili

(FR) DECLARATION DE CONFORMITE "CE"

Je soussigné déclare que l'équipement ci-dessus a été conçu et construit conformément aux directives européennes suivantes, selon leur amendement, et selon les décrets et règlements le transposant dans les lois nationales.

- 1.1 Normes Européennes harmonisées dans le respect desquelles la conformité est déclarée
- 1.2 Principaux composants de sécurité montés et fournis avec la machine
- 1.2.1 Structure de protection avec le cône d'accrochage (F.O.P.S.)
- 1.2.2 Variante pour la manutention des charges suspendues (...)
- 1.2.3 Structure de protection en cas de capotage (R.O.P.S.)
- 1.2.4 Protection frontale
- 1.2.5 Structure de protection en cas de renversement latéral (T.O.P.S.)
- 1.2.6 Plate-forme pour le soulèvement de personnes (H+3m)
- 1.2.6.1 Organisme notifié impliqué
- 1.3 Organisme notifié impliqué
- 1.4 Nom et adresse de la personne autorisée à remplir le fascicule technique
- 1.5 Procédure d'avertissement de la procédure suivie
- 2.2 Nom et adresse de l'Organisme Notifié impliqué
- 2.3 Niveau de puissance sonore mesuré
- 2.4 Niveau de puissance sonore garanti
- 2.5 Puissance du moteur (selon la définition de ...)
- 2.6 Possesseur de la documentation technique
- 3.1 Normes Européennes harmonisées dans le respect desquelles la conformité est déclarée
4. Autres directives applicables

(ES) CERTIFICADO DE CONFORMIDAD "CE"

En abajo firmante declaro que la máquina arriba indicada ha sido diseñada y fabricada conforme a las siguientes Directivas Europeas, a sus enmiendas y a los decretos y reglamentos que las transforman en leyes nacionales.

- 1.1 Normativa europea armonizada en cuyo cumplimiento se declara
- 1.2 Principales componentes de seguridad montados y suministrados con la máquina
- 1.2.1 Estructura de protección con la casc de objetos (F.O.P.S.)
- 1.2.2 Dotación para mover cargas suspendidas (...)
- 1.2.3 Estructura de protección en caso de volcado lateral (T.O.P.S.)
- 1.2.4 Protección frontal
- 1.2.5 Estructura de protección en caso de vuelco lateral (T.O.P.S.)
- 1.2.6 Plataforma para el levantamiento de personas (H+3m)
- 1.2.6.1 Ente notificado involucrado
- 1.3 Homologaciones instaladas
- 1.4 Nombre y dirección de la persona autorizada para componer el documento técnico
- 1.5 Procedimiento de advertencia de la conformidad escuado
- 2.2 Nombre e dirección del Organismo Notificador responsable
- 2.3 Nivel medio de potencia sonora
- 2.4 Nivel garantizado de potencia sonora
- 2.5 Potencia del motor (como definida en ...)
- 2.6 Proveedor de la documentación técnica
- 3.1 Normativa europea armonizada cuya conformidad se declara
4. Otras Directivas aplicables

(DE) "CE"-KONFORMITÄTSERKLÄRUNG

Der Unterzeichnete erklärt, dass die unten angegebene Maschine entsprechend der veröffentlichten europäischen Normen entworfen, gefertigt und bestmöglicher Beschaffenheit, die die nationalen Gesetze, Verordnungen, Dekrete und Konstruktiv wurden.

- 1.1 Harmonisierte Europäische Normen gemäß denen die Konformität erklärt wird
- 1.2 Hauptbestandteile der Maschine, die die Sicherheit gewährleisten
- 1.2.1 Schutzzaubogen gegen herabfallende Gegenstände (F.O.P.S.)
- 1.2.2 Auszustattung für Hebevorrichtungen (...)
- 1.2.3 Überdachung (R.O.P.S.)
- 1.2.4 Frontschutz
- 1.2.5 Schutz gegen seitlicheskippen (T.O.P.S.)
- 1.2.6 Plattform für das Heben von Personen (H+3m)
- 1.2.6.1 Erklärte Notifizierungsstelle
- 1.3 Genehmigte Höhen
- 1.4 Name und Adresse des/der Verantwortlichen für die Zusammenstellung der technischen Akte
- 1.5 Anzuwendende Konformitätsverfahren
- 2.2 Name und Anschrift der beteiligten benannten Stelle
- 2.3 Gemessener Schalldruckpegel
- 2.4 Garantiertes Schalldruckniveau
- 2.5 Motorleistung (gemäß Definition nach ...)
- 2.6 Inhaber der technischen Dokumentation
- 3.1 Harmonisierte Europäische Normen gemäß denen die Konformität erklärt wird
4. Weitere anwendbare Richtlinien

(PT) DECLARAÇÃO "CE" DE CONFORMIDADE

O abaixo assinado declara que a máquina acima indicada foi projetada e construída em conformidade às seguintes Diretivas Europeas, como emendadas e aos decretos e regulamentos que as transpõem nas leis nacionais.

- 1.1 Normas europeas harmonizadas sob as quais a conformidade é declarada
- 1.2 Principais componentes de segurança instalados e fornecidos com a máquina
- 1.2.1 Estrutura de proteção contra a queda de objetos (F.O.P.S.)
- 1.2.2 Variante para a movimentação de cargas suspensas (...)
- 1.2.3 Estrutura de proteção em caso de viragem (R.O.P.S.)
- 1.2.4 Proteção frontal
- 1.2.5 Estrutura de proteção em caso de viragem lateral (T.O.P.S.)
- 1.2.6 Plataforma para o levantamento de pessoas (H+3m)
- 1.2.6.1 Entidade notificada envolvida
- 1.3 Apreciações instaladas
- 1.4 Nome e endereço da pessoa autorizada a cumprir o ficheiro técnico
- 1.5 Procedimento de avaliação da conformidade seguido
- 2.2 Nome e endereço do Organismo Notificado envolvido
- 2.3 Nível de potência sonora medida
- 2.4 Nível de potência sonora garantido
- 2.5 Potência do motor (como definida pela ...)
- 2.6 Detentor da documentação técnica
- 3.1 Normas europeas harmonizadas sob as quais a conformidade é declarada
4. Outras Diretivas aplicáveis

(FI) YHDENMUKAISUUTUSTUS

Allekirjoittaneen vakuutan, että alla oleva kone on suunniteltu ja valmistettu seuraavassa luetellujen eurooppalaisten Euroopan yhteisön direktiivien sekä kansallisten lakien ja määräysten mukaisesti.

- 1.1 Yhdessä Euroopan yhteisössä sovellettavissa yhdenmukaisuusvakuutuksissa
- 1.2 Tärkeimmät turvallisuuskomponentit ja niiden mukana toimitettavat turvavälineet
- 1.2.1 Putkurakenteinen suojauslaitteisto (F.O.P.S.)
- 1.2.2 Turvallisuuslaitteisto nostokäyttöön (...)
- 1.2.3 Kattorakenteinen suojauslaitteisto (R.O.P.S.)
- 1.2.4 Etusuoja
- 1.2.5 Sivun kaatumisen suojauslaitteisto (T.O.P.S.)
- 1.2.6 Alustan nostaminen henkilöille (H+3m)
- 1.2.6.1 Kattorakenteinen ilmoitus
- 1.3 Asennettujen korkeuksien
- 1.4 Tekijän nimi ja osoite, henkilö, joka on valtuutettu täyttämään tekniset tiedot
- 1.5 Suoritetun yhdenmukaisuusvakuutuksen arvioinnin menetelmä
- 2.2 Toimittajan vastuullinen ilmoitus ja osoite
- 2.3 Mittauslaitteiston tyyppi
- 2.4 Mittauslaitteiston tyyppi
- 2.5 Moottorin tyyppi (... mukaisesti)
- 2.6 Tietojen dokumentointi
- 3.1 Yhdessä Euroopan yhteisössä sovellettavissa yhdenmukaisuusvakuutuksissa
4. Muut sovellettavat direktiivit

(NO) "EU" KONFORMITÄTSDOKUMENTASJON

Den underskrevne erklærer at maskinen som er beskrevet nedenfor, er prosjektert og konstruert i henhold til følgende europeiske direktiver, slik de er endret og i henhold til direktiver og regler som omsettes i de nasjonale lover.

- 1.1 Konformiteten er deklareret i henhold til de europeiske Harmoniserte Normene
- 1.2 Hovedsakelige sikkerhetskomponenter som blir montert og levert med maskinen
- 1.2.1 Struktur for beskyttelse mot et fallende gjenstand (F.O.P.S.)
- 1.2.2 Variant for transport av opplyst last (...)
- 1.2.3 Vernetstruktur i tilfelle veit (R.O.P.S.)
- 1.2.4 Frontbeskyttelse
- 1.2.5 Vernetstruktur i tilfelle sideveit (T.O.P.S.)
- 1.2.6 Plattform for heving av personer (H+3m)
- 1.2.6.1 Installasjon som har medtalt i godkjenningen
- 1.3 Installert høyde
- 1.4 Navn og adresse til personen som er autorisert til å opprette den tekniske mappen
- 1.5 Prosedyre for vurdering av konformitet som er fulgt
- 2.2 Navn og adresse av den involverte Notifikerte Organisasjonen
- 2.3 Det målte lydnivået
- 2.4 Det garanterte lydnivået
- 2.5 Motor effekt (ifølge ...)
- 2.6 Innehaver av teknisk dokumentasjon
- 3.1 Europeiske harmoniserte normer som er overholdt ved konformitets-tilklæring
4. Andre anvendelige direktiver

(SV) "CE" INTYG OM ÖVERENSSTÄMMELSE

Undertecknad intygar att den nedan angivna maskinen har framtagits och tillverats i överensstämmelse med följande europeiska direktiv, såsom ändrade, och med i nationella lagar överenssedda dekret och författningar.

- 1.1 Europeiska harmoniserade normer under vilka överensstämmelsen har deklarerats
- 1.2 Huvudsakliga säkerhetskomponenter som monterats och levererats med maskinen
- 1.2.1 Skydd mot fallande föremål (F.O.P.S.)
- 1.2.2 Skyddssystem för svävande material (...)
- 1.2.3 Skyddsstruktur i händelse av tilläppning (R.O.P.S.)
- 1.2.4 Skydd från
- 1.2.5 Skyddsstruktur i händelse av kantning (T.O.P.S.)
- 1.2.6 Plattform för uppbyggnad av personer (H+3m)
- 1.2.6.1 Undersökning medtillstånd
- 1.3 Installerade utrustningar
- 1.4 Namn och adress för personen som är ansvarig för att uppfylla de tekniska dokumenten
- 1.5 Förfarande för bedömning av den tillräckliga överensstämmelsen
- 2.2 Namn och adress för gällande tillämpningsorgan
- 2.3 Uppmått lydnivå
- 2.4 Garanterat lydnivå
- 2.5 Motor effekt (såsom definierad av ...)
- 2.6 Innehavare av den tekniska dokumentationen
- 3.1 Europeiska harmoniserade normer under vilka överensstämmelse är deklarerad
4. Andra tillämpliga direktiv

(DA) "CE" ERKLÆRING OM OVERENSSTEMMELSE

Undertegnede erklærer, at nedenstående maskine er designet og konstrueret i overensstemmelse med følgende EU direktiver, som ændret, og de dekret og reglementer, der omfatter dem til nationale love i den europæiske harmoniserede normer under hvilke man har erklæret overensstemmelsen.

- 1.1 Hovedsikkerhedskomponenter monteret og leveret med maskinen
- 1.2 Beskyttelse mod faldende genstande (F.O.P.S.)
- 1.2.1 Variant til bevægelse af svævende laster (...)
- 1.2.2 Beskyttelse mod faldende genstande (R.O.P.S.)
- 1.2.3 Frontbeskyttelse
- 1.2.4 Beskyttelse mod kant og i tilfælde af side-tilfald (T.O.P.S.)
- 1.2.5 Platform til løftning af personer (H+3m)
- 1.2.6 Den notificerede installation, som er indregnet
- 1.3 Installerede udstyr
- 1.4 Navn og adresse på den person, der er autoriseret til at komplettere den tekniske fil
- 1.5 Metode for vurdering af den tilstrækkelige overensstemmelse
- 2.2 Navn og adresse på det involverede Notifikations Organ
- 2.3 Målte lydstyrke-niveau
- 2.4 Garanteret lydstyrke-niveau
- 2.5 Motor effekt (som defineret af det ...)
- 2.6 Ansvar for den tekniske dokumentation
- 3.1 Europeiske harmoniserede normer under hvilke man har erklæret overensstemmelsen
4. Andre anvendelige direktiv

(EL) ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΙΑΣ "CE"

Εγώ δηλώνω με παρόντος ότι η προπάντων που αναφέρεται παραπάνω έχει σχεδιαστεί και κατασκευαστεί σύμφωνα με τις απαιτήσεις που ορίζονται στους παρακάτω Ευρωπαϊκούς κανόνες, όπως τροποποιήθηκαν και με τους εθνικούς κανόνες που μετατρέπουν τους Ευρωπαϊκούς κανόνες σε εθνικούς νόμους.

- 1.1 Ευρωπαϊκοί αρμονισμένοι κανόνες υπό τους οποίους δηλώνεται η συμμόρφωση
- 1.2 Κύρια ασφαλιστικά στοιχεία που είναι απαραίτητα για την ασφάλεια του μηχανήματος
- 1.2.1 Οργανισμός πιστοποίησης ασφαλείας (F.O.P.S.)
- 1.2.2 Διατάξεις για την κίνηση φορτίων (...)
- 1.2.3 Προστασία από την πτώση αντικείμενων (R.O.P.S.)
- 1.2.4 Προστασία από την κρούση
- 1.2.5 Προστασία από την κρούση από το πλάι (T.O.P.S.)
- 1.2.6 Πλατφόρμα για ανύψωση ατόμων (H+3m)
- 1.2.6.1 Εγκρίσιμη εγκατάσταση
- 1.3 Εγκαταστάσεις ασφαλείας
- 1.4 Ονόματι και διεύθυνση της φυσικής ή νομικής οντότητας που είναι υπεύθυνη για την έκδοση της παρούσας δήλωσης
- 1.5 Ονόματι και διεύθυνση του αρμόδιου οργανισμού πιστοποίησης ασφαλείας
- 2.2 Ονόματι και διεύθυνση του αρμόδιου οργανισμού πιστοποίησης ασφαλείας
- 2.3 Μέτρηση του μέσου επιπέδου ήχου
- 2.4 Ονομαστική ισχύς του κινητήρα
- 2.5 Η ισχύς του κινητήρα όπως καθορίζεται από την ...
- 2.6 Η ισχύς του κινητήρα όπως καθορίζεται από την ...
- 2.7 Διαθέσιμη τεχνική τεκμηρίωση
- 3.1 Ευρωπαϊκοί αρμονισμένοι κανόνες υπό τους οποίους δηλώνεται η συμμόρφωση
4. Άλλες εφαρμοζόμενες οδηγίες

(NL) "CE" CONFORMITEITSVERKLARING

Ondergette verklaart dat de hieronder beschreven machine ontworpen en gebouwd werd met inachtneming van de volgende Europese richtlijnen en wetgeving en met de verklaring en reglementen die deze richtlijnen en wetgeving in nationale wetten omzetten.

- 1.1 Europese geharmoniseerde normen aan welke de conformiteit wordt verklaard
- 1.2 Hoofddeelende veiligheidscomponenten gemonteerd en geleverd met de machine
- 1.2.1 Bescherming tegen valende voorwerpen (F.O.P.S.)
- 1.2.2 Bescherming tegen valende voorwerpen (...)
- 1.2.3 Beschermingsstructuur in geval van omkanten (R.O.P.S.)
- 1.2.4 Voorbescherming
- 1.2.5 Beschermingsstructuur in geval van zijdelingse omkanten (T.O.P.S.)
- 1.2.6 Personenliftplatform (H+3m)
- 1.2.6.1 Technische documentatie
- 1.3 Geïnstalleerde uitrustingen
- 1.4 Naam en adres van degene die gemachtigd is om het technische dossier samen te stellen
- 1.5 Naam en adres van het bevestigde Finke Organisme
- 2.2 Naam en adres van het bevestigde Finke Organisme
- 2.3 Gemeten geluidsniveau
- 2.4 Gemiddeld geluidsniveau
- 2.5 Motoreniveau (zoals bepaald door de ...)
- 2.6 Houder van de technische documentatie
- 3.1 Europese geharmoniseerde normen aan welke de conformiteit wordt verklaard
4. Andere richtlijnen en wetgeving

(CS) OSVOJENÍ ŠHODY

Níže podpisyvaný výrobce prohlašuje, že dle uvedené střeji zažby byly navrženy a vyrobeny v souladu s ustanoveními následujících Evropských směrnic, pokud již existují žádné změny, a v souladu s národními předpisy, jejichž prostřednictvím jsou tyto normy převyvedeny do národních zákonů.

- 1.1 Harmonizované evropské normy, na něž se odkazuje prohlášením o shodě
- 1.2 Hlavní bezpečnostní komponenty montované a dodávané spolu se strojem
- 1.2.1 Ochrana konstrukce chránící proti předání předmětů (F.O.P.S.)
- 1.2.2 Vezce pro přepravu zavěšených nákladů (...)
- 1.2.3 Ochranná konstrukce chránící při převážení (R.O.P.S.)
- 1.2.4 Čelní ochranná konstrukce
- 1.2.5 Ochranná konstrukce chránící při převážení na bok (T.O.P.S.)
- 1.2.6 Platforma pro zvedání lidí (H+3m)
- 1.2.6.1 Autoremovaný orgán
- 1.3 Instalované zařízení
- 1.4 Jméno a adresa osoby pověřené zpracováním technické dokumentace
- 1.5 Použití notifikovaného orgánu
- 2.2 Název a adresa autorizovaného orgánu, který provedl posouzení shody
- 2.3 Naměřená hladina akustického výkonu
- 2.4 Garantovaná hladina akustického výkonu
- 2.5 Výkon motoru (stanovený čísla ...)
- 2.6 Dátové technické dokumentace
- 3.1 Harmonizované evropské normy, na něž se odkazuje prohlášením o shodě
4. Jiné použitelné směrnice

(ET) "CE" VASTAVUSAVALDUS

Allkirjoitaja väitab, et allpool kirjeldatud seade on konstrueeritud ja valmistatud järgivatest Euroopa direktiividest, mis on muudetud ja muudetud, ning riiklikest seadustest, mis muudavad Euroopa direktiivid riiklikeks seadusteks.

- 1.1 Kriteeriumid vastavalt Euroopa ühistule standarditele
- 1.2 Seadmesse on installitud ja seadega on varustatud peamised ohutusseadised
- 1.2.1 Kaitse konstruktsioonid, mis kaitsevad inimesi (F.O.P.S.)
- 1.2.2 Kaitse rippuvast laste vastu (...)
- 1.2.3 Ohutusstruktuur puhul kaitses turvaliselt (R.O.P.S.)
- 1.2.4 Etusuoja
- 1.2.5 Kaitsestruktuur puhul kaitses turvaliselt (T.O.P.S.)
- 1.2.6 Tööplatvorm inimeste jaoks (H+3m)
- 1.2.6.1 Tuvastatud teatavusorgan
- 1.3 Installeeritud seadised
- 1.4 Isik, kelle nimi ja aadress, kellel on luba kirjutada tehnilisi dokumente
- 1.5 Vastavalt teatavusorganile tehtud
- 2.2 Teatavust teatavusorganile teinud isik ja aadress
- 2.3 Mõeldud heli taseme
- 2.4 Heli taseme taseme
- 2.5 Motor võimsus (vastavalt ...)
- 2.6 Tehnilise dokumentatsiooni hoidja
- 3.1 Harmoniseeritud Euroopa ühistule standardite
4. Muud kohaldatavad direktiivid

(LV) "CE" ATBILSTĪBAS DEKLARĀCIJA

Apekā parakļūstas deklarēt, ka šeit zemāk norādītās mehānisms ir paredzēts un izgatavots atbilstoši tālāk uzskaitītajiem Eiropas direktīvu, kā arī dekrētiem un noteikumiem, kas šajās valstīs nacionālajai likumdošanai ir pieņemti.

- 1.1 Saskaņotās Eiropas standartu, sastāvā ar kurām tiek deklarēta atbilstība
- 1.2 Galvenie drošības komponenti, kas uzstādīti un nodoti lietošanai kopā ar mehānismu
- 1.2.1 Drošības konstrukcija, kas nodrošina aizsardzību pret kritieniem (F.O.P.S.)
- 1.2.2 Variants pakaramā slodžu pārvietošanai (...)
- 1.2.3 Strukturā aizsardzība pret apvēršanos (R.O.P.S.)
- 1.2.4 Aizsardzība priekš
- 1.2.5 Strukturā aizsardzība pret sāpīgas (T.O.P.S.)
- 1.2.6 Platforma personāla pacelšanai (H+3m)
- 1.2.6.1 Ieskaistā informācija instalācijā
- 1.3 Uzstādītā iekārtā
- 1.4 Tehniskās dokumentācijas sastādītāja pilnvarotās personas vārds un adrese
- 1.5 Ieskaistā informācija norādītajās procedūras un adresē
- 2.2 Ieskaistā informācija organizācijas nosaukums un adrese
- 2.3 Izmērītās skaņas līmeņa līmenis
- 2.4 Garantētā skaņas līmeņa līmenis
- 2.5 Dzinēja jauda (definēta ...)
- 2.6 Tehniskās dokumentācijas turētājs
- 3.1 Saskaņotās Eiropas standartu, saskaņā ar kurām tiek deklarēta atbilstība
4. Citas piemērojamas direktīvas

(LT) "EB" ATITIKTIES DEKLARACIJA

Zemiau pasirašijęs patvirtina, kad žemiau išvardintą aparatūrą sukurė ir gamino pagal Europos Sąjungos direktyvas, kurios išduotos ir patvirtintos, ir nacionalinius įstatymus, kuriuos šios direktyvos ir patvirtintos.

- 1.1 Daromų Europos standartu, kuriuos remiantis deklaruojama atitikimas
- 1.2 Pagrindiniai saugos komponentai, sumontuoti ir pristatomi su mašina
- 1.2.1 Apsauginė konstrukcija, kuri apsaugo nuo kritimų (F.O.P.S.)
- 1.2.2 Variantas pakabinamų krovinių kroviniui (...)
- 1.2.3 Vėdinimo apsaugos konstrukcija (R.O.P.S.)
- 1.2.4 Frontinė apsauga
- 1.2.5 Apsauginė apsaugos konstrukcija (T.O.P.S.)
- 1.2.6 Liftinė platforma (aukštis+3m)
- 1.2.6.1 Dėl patvirtintų reikiavimų įstatymai
- 1.3 Sumontuota įranga
- 1.4 Asmenys, įskaitus kompiliuoti šią techninę dokumentaciją, asmenvardis ir adresas
- 1.5 Atitikties vertinimo procedūra atlikta
- 2.2 Dėlvyraujančios notifikuojamos įstaigos pavadinimas ir adresas
- 2.3 Garsio lygio matavimai
- 2.4 Garantuojamas garsio lygis
- 2.5 Vardinio galios
- 2.6 Techninės dokumentacijos turėtojas
- 3.1 Europos Sąjungos standartu, kuriuos remiantis deklaruojama atitikimas
4. Kitos taikytinos direktyvos

(HU) BIZONYÍTÁNY "CE" IRÁNYELVEK AKALMAZÁSÁRA

Az alulírott bizonyítom, hogy az alább felsorolt gép a következő Európai irányelvek és ezek módosításainak, valamint a nemzeti szabványokkal egyetemesen előírt törvényrendelések és szabályok szerint van tervezve és gyártva.

- 1.1 Irányított szerzői szabályok, melyek megfelelésre vonatkozik a bizonyítás
- 1.2 Gép főbiztonsági és védelemi egységei szerelvények (F.O.P.S.)
- 1.2.1 Kivétel variáns a felügyszorított tárgyak mozgására (...)
- 1.2.2 Védőszekrény a gép felborulása esetére (R.O.P.S.)
- 1.2.3 Kétféleképpen szerelvény a gép felborulása esetére (R.O.P.S.)
- 1.2.4 Védőszekrény a gép oldalra borulása esetére (T.O.P.S.)
- 1.2.5 Védőszekrény a gép oldalra borulása esetére (T.O.P.S.)
- 1.2.6 Személyemelő emelőplatform (H+3m)
- 1.2.6.1 A gép működését szabályozó intézkedések
- 1.3 Biztosított személyek
- 1.4 A technika által igazoltított személyek adatai, azonosítási és címtől
- 1.5 A megjelölt szerzőre vonatkozó információk
- 2.2 Az érkező megjelölt intézkedések neve és címe
- 2.3 A hangzavar mértéke
- 2.4 Hangzavar garantált értéke
- 2.5 Motor teljesítmény (meghatározva ...)
- 2.6 A műszaki bizonyítás anyagát előző személy
- 3.1 Harmonikus európai normák, melyek alkalmazásának vonatkozik a bizonyítás
4. Egyéb alkalmazható irányelvek

(PL) OŚWIADCZENIE O ZHODZISCI

Ja niżej podpisywany oświadczam, że poniżej wskazana maszyna została zaprojektowana i zbudowana zgodnie z postanowieniami Europejskich dyrektyw, zgodnie z poprawkami i, w krajowym i regulacjami wprowadzającymi je do przepisów narodowych.

- 1.1 Podane normy Europejskich dyrektyw, których wykonanie jest gwarantowane
- 1.2 Podstawowe komponenty bezpieczeństwa zamontowane i dostarczone wraz z maszyną
- 1.2.1 Struktura ochrony przed spadającymi przedmiotami (F.O.P.S.)
- 1.2.2 Wariant do przenoszenia ładunków zawieszonych (...)
- 1.2.3 Struktura ochronna w przypadku przewrócenia (R.O.P.S.)
- 1.2.4 Ochrona frontowa
- 1.2.5 Struktura ochronna w przypadku bocznej przewrócenia (T.O.P.S.)
- 1.2.6 Platforma do podnoszenia osób (H+3m)
- 1.2.6.1 Komplementarny Urząd zarejestrowany
- 1.3 Aparatura zamontowana
- 1.4 Dane techniczne i adres osoby odpowiedzialnej za sporządzenie dokumentacji technicznej
- 2.1 Procedura oceny zgodności według
- 2.2 Nazwa i adres Komplementarnego Urzędu Zarejestrowanego
- 2.3 Ciężar gwarantowany
- 2.4 Owarantowany poziom mocy dźwiękowej
- 2.5 Moc silnika (jak określono w ...)
- 2.6 Posiadacz dokumentacji technicznej
- 3.1 Ustawodawcze Normy Europejskie, według których zgodność zadeklarowana
4. Inne Dyrektywy zastosowane

(SK) "ES" VYHLÁSENIE O ZHODE

Dolupodpísaný výrobca ošhlasuje, že nižšie uvedené stroje zažby boli navrženy a vyrobené v súlade s ustanoveniami následujících Evropských směrnic, pokud již existují žádné změny, a v souladu s národními předpisy, jejichž prostřednictvím jsou tyto normy převyvedeny do národních zákonů.

- 1.1 Zosúlšené normy EÚ, s ktorými je preukázaná zhoda
- 1.2 Podstatné bezpečnostné komponenty montované a dodávané spolu so strojom
- 1.2.1 Ochranná štruktúra chrániaca pri prevážaní (F.O.P.S.)
- 1.2.2 Výšky pri pohybovaní zavazeneých predmetov (...)
- 1.2.3 Ochranná štruktúra v prípade bočného prevrátenia (R.O.P.S.)
- 1.2.4 Čelná ochrana
- 1.2.5 Ochranná štruktúra v prípade bočného prevrátenia (T.O.P.S.)
- 1.2.6 Platforma na zdvíhanie ľudí (H+3m)
- 1.2.6.1 Zariadenie notifikovaný orgán
- 1.3 Nainštalované príslušenstvo
- 1.4 Meno a adresa príslušného autorizovaného certifikačného orgánu
- 1.5 Meno a adresa notifikovaného orgánu
- 2.2 Meno a adresa príslušného autorizovaného certifikačného orgánu
- 2.3 Měřená hladina akustického výkonu
- 2.4 Záručená hladina akustického výkonu
- 2.5 Výkon motoru (jak określono v ...)
- 2.6 Ustávateľ technické dokumentácie
- 3.1 Zosúlšené Normy Europejské, według których zgodność zadeklarowana
4. Inne aplikované smernice

(SL) IZJAVA EU SKLADNOSTI

Spodpisani proizvajalci, da je opredeljena naprava ustrezno izdelana in izdelane v skladu z sledečimi evropskimi direktivami, ki so spremenjene in dopolnjene, in v skladu s nacionalnimi predpisi, ki jih sprejemajo v skladu z evropskimi direktivami.

- 1.1 Harmonizirane evropske pravilnice, na katere se pohtuje skladnost
- 1.2 Glavne varnostne komponente, ki so vgrajene in nudimo z napravo
- 1.2.1 Zaščita strukture pred padajočimi predmeti (F.O.P.S.)
- 1.2.2 Varianti za prenos visokih predmetov (...)
- 1.2.3 Zaščita strukture v primeru prevrnitve (R.O.P.S.)
- 1.2.4 Frontna zaščita
- 1.2.5 Zaščita strukture v primeru bočnega prevrnitve (T.O.P.S.)
- 1.2.6 Platforma za dvig ljudi (H+3m)
- 1.2.6.1 Upravičen, kateremu so dani vsi potrebni podatki in je vpletel
- 1.3 Infrastruktura oroja
- 1.4 Ime in naslov osebe, ki je pooblaščen za oblikovanje tehnične dokumentacije
- 1.5 Ime in naslov vpletenega organizma
- 2.1 Ime in naslov vpletenega organizma
- 2.2 Odmerna moč hrupa
- 2.3 Zaručena moč hrupa
- 2.4 Moč motorja (kot je definirana po ...)
- 2.5 Lastnik tehnične dokumentacije
- 3.1 Harmonizirane evropske pravilnice, za katere so pohtuje skladnost
4. Ostale direktive, ki se splošujejo

(RO) DECLARAȚIE DE CONFORMITATE "CE"

Deținătorul prezintă următoarele informații tehnice și de siguranță în conformitate cu următoarele Directive UE, cu amendamentele și cu legislațiile care le transpun în legislația națională.

- 1.1 Standardele europene armonizate față de care se declară conformitatea
- 1.2 Componentele principale de siguranță montate și furnizate cu mașina
- 1.2.1 Structura de protecție împotriva obiectelor care cad (F.O.P.S.)
- 1.2.2 Variante de aplicare la manipularea sarcinilor (...)
- 1.2.3 Structura de protecție la răsturnare (R.O.P.S.)
- 1.2.4 Protecția frontală
- 1.2.5 Structura de protecție la răsturnare laterală (T.O.P.S.)
- 1.2.6 Platforma de ridicare a persoanelor (H+3m)
- 1.2.6.1 Autoritatea notificată implicată în proces
- 1.3 Informații tehnice
- 1.4 Numele și adresa persoanei autorizate să completeze dosarul tehnic
- 1.5 Procedura de evaluare a conformității urmate
- 2.1 Procedura după care s-a efectuat evaluarea conformității
- 2.2 Denumirea și adresa organismului implicat notificat
- 2.3 Nivelul măsurat al zgomotului
- 2.4 Nivelul garantat al zgomotului
- 2.5 Puterea motorului (definită de ...)
- 2.6 Deținătorul documentației tehnice
- 3.1 Standardele europene armonizate față de care se declară conformitatea
4. Alte directive aplicabile

695ST "EC" Declaration of Conformity (EC Doc)

⚠ General battery safety ⚠

Always wear eye protection when you work with batteries.

Do not create sparks or have open flame near a battery.

Ventilate the area when you charge a battery or use a battery in an enclosed area.

Disconnect the negative (-) terminal first and reconnect the negative (-) terminal last.

When you weld on the machine, disconnect both terminals of the battery.

Do not weld, grind, or smoke near a battery.

When you use auxiliary batteries or connect jumper cables to start the engine, use the procedure shown in the operator's manual. Do not short across terminals.

Follow the manufacturer's instructions when you store and handle batteries.

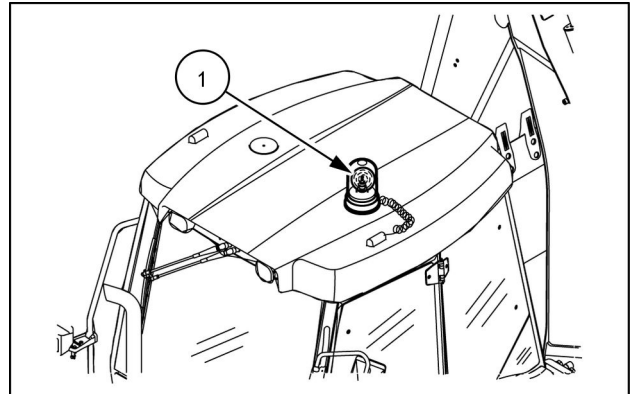
Battery post, terminals, and related accessories contain lead and lead compounds. Wash hands after handling. This is a California Proposition 65 warning.

Battery acid causes burns. Batteries contain sulfuric acid. Avoid contact with skin, eyes, or clothing. Antidote (external): Flush with water. Antidote (eyes): flush with water for 15 minutes and seek medical attention immediately. Antidote (internal): Drink large quantities of water or milk. Do not induce vomiting. Seek medical attention immediately.

Keep out of reach of children and other unauthorized persons.

⚠ Reflectors and warning lights ⚠

You must use flashing amber warning lights when you operate equipment on public roads.



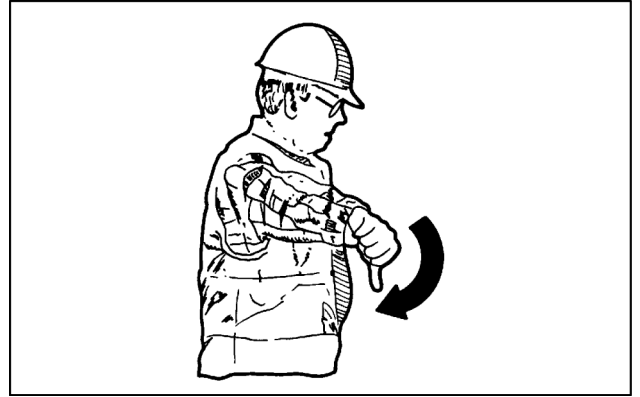
MOL112LBB0152AB 1

Safety rules - Specific precautions to this machine



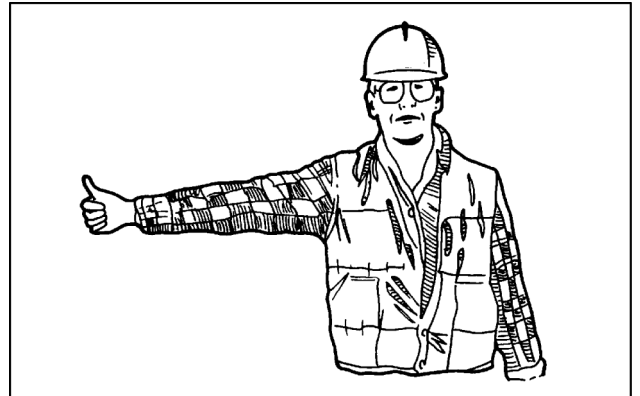
- From the operator's platform, install the backhoe swing lock pin when the backhoe is not in use and before all other operation.
 - When traveling on the road or working with the front loader keep the backhoe in the stowed position.
 - Keep operator's platform clean. Never transport items in the operator's platform.
 - Keep the load or tool as low as possible while moving the machine around the work site.
 - Adjust the rear window before actuating the backhoe hydraulics. The rear window could come into contact with the control lever.
 - Pilot control machines are equipped with two backhoe control patterns. You must know which pattern the machine is in, before operating the machine (actuating the hydraulics).
 - Release all hydraulic pressure before servicing the machine.
 - You must know which circuits have accumulators and how to release pressure properly.
 - Always use the lift arm support strut when servicing the machine with lift arms up.
- When using the backhoe:
- Position the stabilizer pads for maximum stability.
 - Install a guard rail and warning signs to keep other persons away from the machine if operating in an area with reduced visibility, such as a building.
 - Place the direction control lever and the transmission in neutral and apply the parking brake before turning the operator's seat around to the backhoe position.
 - Ensure the seat is locked into position.
 - Know which control pattern is engaged before actuating the hydraulics (pilot control machines only).
 - Use caution when swinging the backhoe completely to the side to prevent contact with the stabilizers.

Dump loader bucket



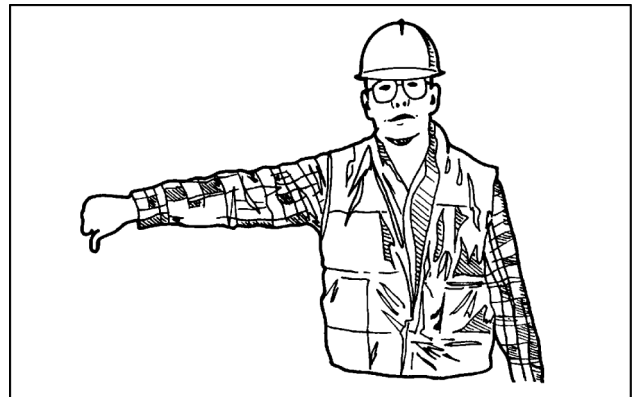
MOL112LBB0084AA 16

Raise backhoe boom



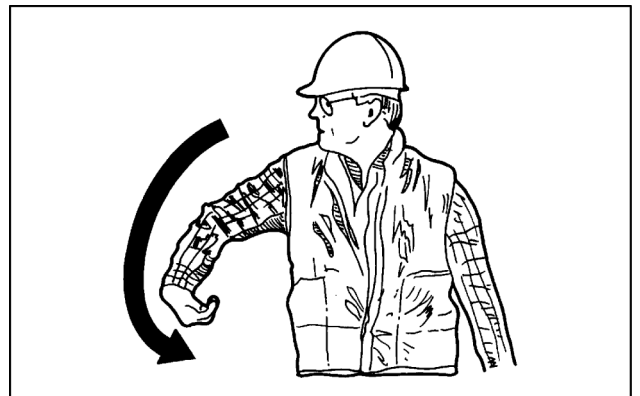
MOL112LBB0085AA 17

Lower backhoe boom




MOL112LBB0086AA 18

Backhoe dipper in

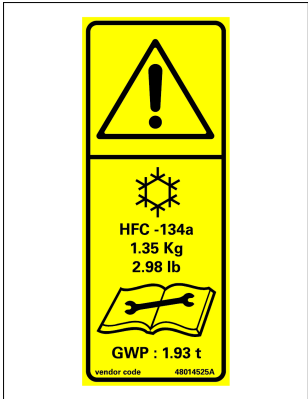


MOL112LBB0087AA 19

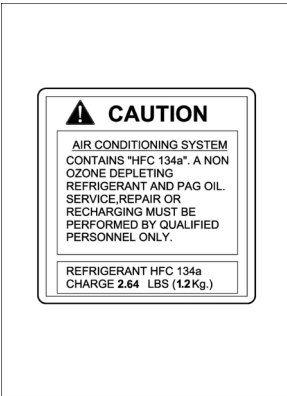
(9) Warning – Do not use Ether

<p>WARNING! Explosion hazard. Do not use ether. Failure to comply could result in death or serious injury.</p>	 <p style="text-align: right;">8603095_E 17</p>
<p>Quantity: 1 Location: On the fixed hood. Part number: 8603095</p>	

(10) Warning – Air-conditioning (A/C) – (optional)

<p>WARNING! Refrigerant HFC R134A under pressure. Recommended refrigerant charge: 1.35 kg (2.98 lb) Global Warming Potential (GWP): 1.93 ton Service, repair, or recharging must be performed only by trained service technician. Always contact your local authorized dealer. Failure to comply could result in death or serious injury.</p>	 <p style="text-align: right;">48014525A 18</p>
<p>Quantity: 1 Location: Open the engine hood and the sign is on the left-hand side of the cooling package. Part number: 48014525</p>	

(11) Caution – Air-conditioning (A/C) – (optional)

<p>WARNING! Air-conditioning system Contains HFC R134A. A non ozone depleting refrigerant and PAG oil. Service, repair or recharging must be performed by qualified personnel only. Refrigerant HFC R134A charge 1.2 kg (2.64 lb). Failure to comply could result in death or serious injury.</p>	 <p style="text-align: right;">87324469C 19</p>
<p>Quantity: 1 Location: Open the engine hood and the sign is on the left-hand side of the cooling package. Part number: 87324469</p>	

Rear window

Opening the rear window

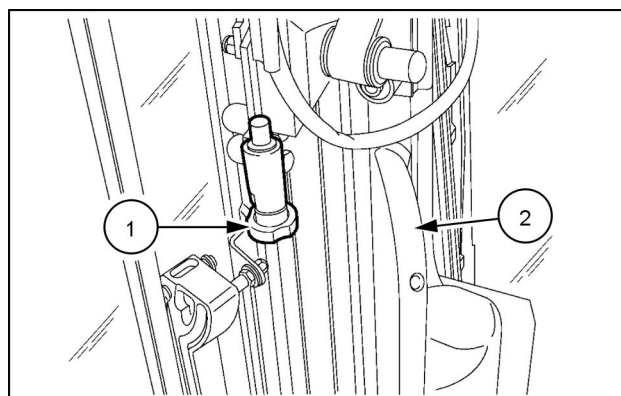
1. Release the rear window pin locks **(1)**. One on each side.
2. Swing the bottom of the window outwards with both handles **(2)**.
3. Bring the window into horizontal position and lock the window in position with the latches **(3)**.

NOTICE: Make sure that the window is in a completely locked position.

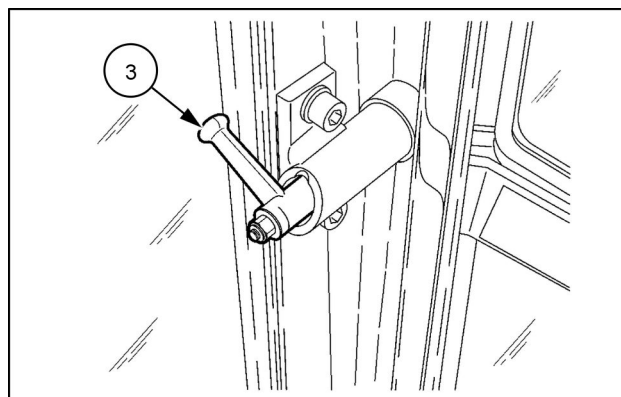
Closing the rear window

1. Release the latches **(3)**.
2. Slowly tilt and lower the window with both handles **(2)**.
3. Lock the rear window in the closed position with the window pin locks **(1)**.

NOTICE: Make sure that the window is in a completely locked position.



MOL112LBB0136AB 6



MOL112LBB0137AB 7

(10) Hazard light switch



This switch has two positions button switch:

1. Press the emblem to turn ON the hazard lights(control lamp off). Turn signal lights will continuously flash ON and OFF.
2. Press the emblem again to turn OFF the hazard lights (control lamp off).

Powershift transmission

On powershift transmissions the gear selection control is on the direction control lever on the left-hand side of the steering wheel.

Direction control lever

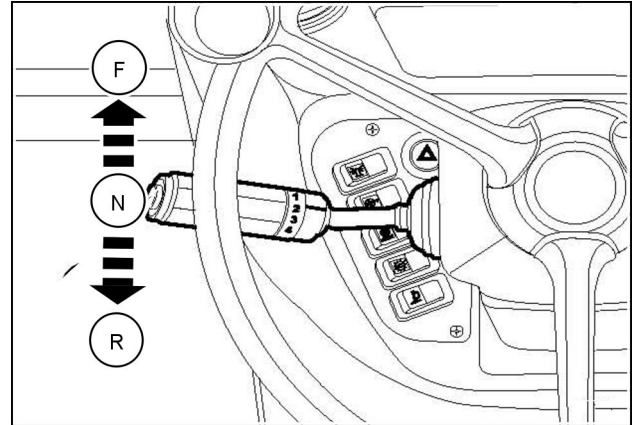
NOTE: Stop the machine from moving before switching between FORWARD and REVERSE travel.

The direction control lever is on the left-hand side of the steering column and controls the direction of travel for the machine.

- The top position (**F**) is FORWARD. To travel forward, lift the lever and push completely forward.
- The center position (**N**) is NEUTRAL. Make sure that the direction control lever is in NEUTRAL before you start the engine or before you operate the backhoe.
- The bottom position (**R**) is REVERSE. To travel in reverse, lift the lever and pull completely rearward. An audible alarm will sound when in reverse.

NOTE: The engine will not start with the direction control lever in the FORWARD or REVERSE positions.

NOTE: The direction control lever is equipped with a neutral lock to prevent an accidental engagement of the transmission. With this design, the direction control lever moves through a "T" slot to the forward or reverse positions.



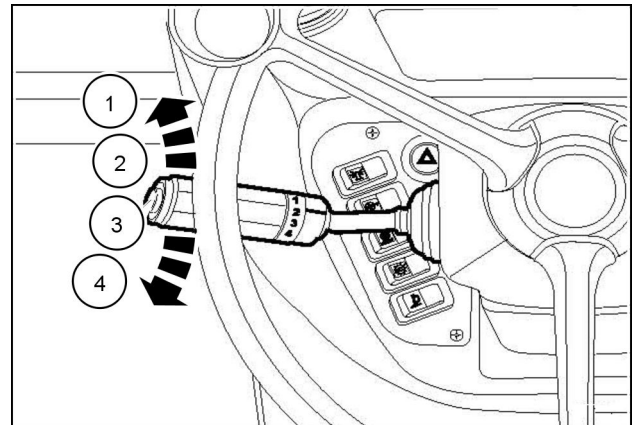
LEEN11T0048AA 7

Gear selection

To select a gear, rotate the hand grip to align the number with the indicator mark on the control lever. The machine remains in the gear selection until the operator changes the selection. The operator may select gears without stopping the machine.

- **(1)** First gear: Forward or reverse
- **(2)** Second gear: Forward or reverse
- **(3)** Third gear: Forward or reverse
- **(4)** Fourth gear: Forward only

Engage the auto shift button on the left-hand side of the front console to allow the Powershift transmission to shift automatically. You must select third gear or fourth gear for auto shift to operate, see **4-19** for more details. Disengage auto shift mode to manually shift between gears.

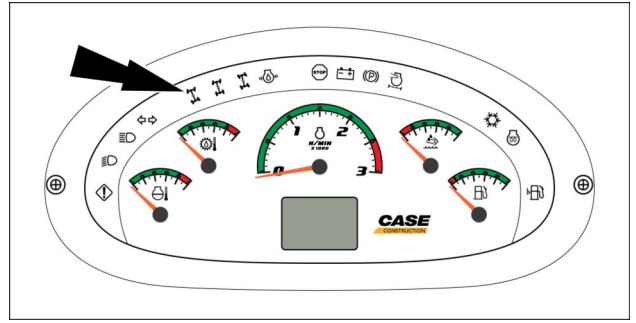


LEEN11T0048AA 8

Four-Wheel Steer (4WS)



Indicator lamp.
This lamp turns on when Four-Wheel Steer (4WS) mode is ON.

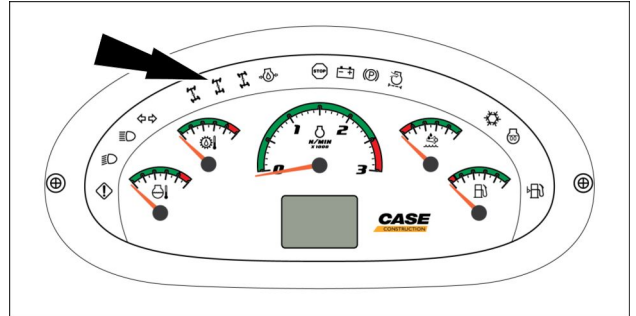


RAIL14TLB0474AA 5

Road steer (Two-Wheel Steer (2WS))



Indicator lamp.
This lamp turns on when Tow-Wheel Steer (2WS) mode is ON.

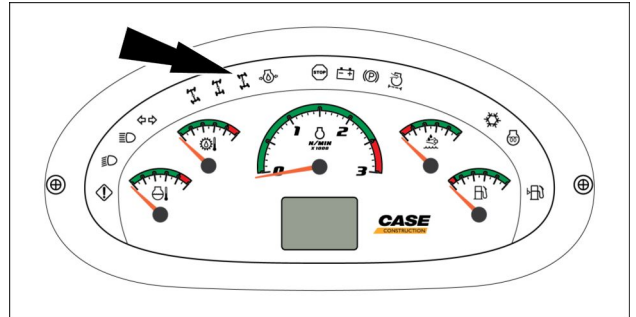


RAIL14TLB0474AA 6

Crab steer



Indicator lamp.
This lamp turns on when crab steer mode is ON.

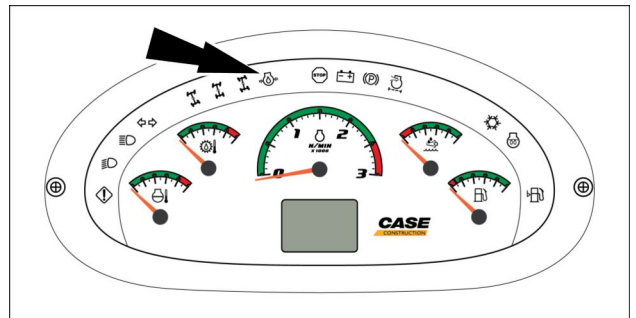


RAIL14TLB0474AA 7

Low engine oil pressure

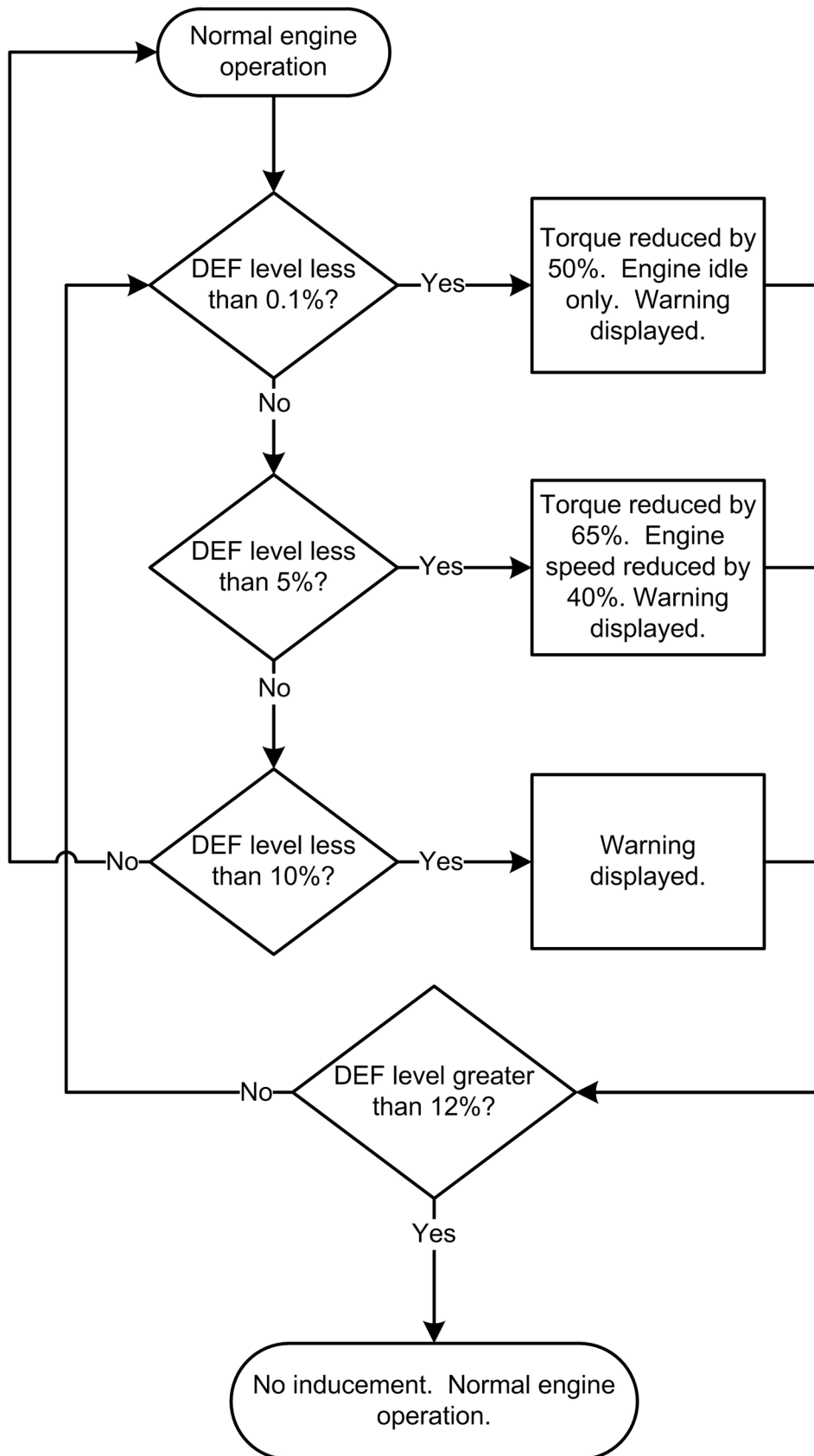


Warning lamp. Illuminates when, with the engine running, there is no or low oil pressure in the engine. Do not run the engine when this lamp illuminates. A continuous audible alarm will sound when this condition exists.



RAIL14TLB0474AA 8

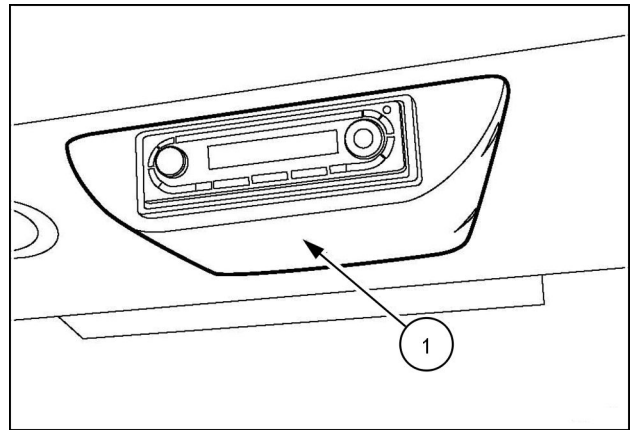
DEF/AdBlue® level faults, failures, and engine power loss levels



NHPH14ENG0567HA 2

Radio compartment (Optional)

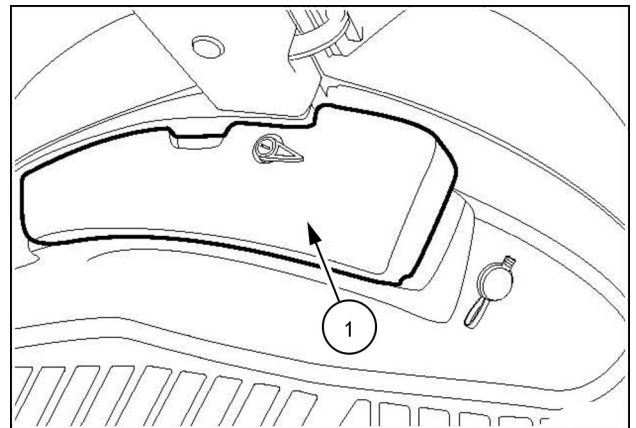
On the cab roof there is a compartment (1) where the radio is installed; the radio is provided on demand.



LEEN11T0068AA 6

Object storage box

Located on the left-hand side of the cab. This compartment (1) is intended for storing objects of various types.



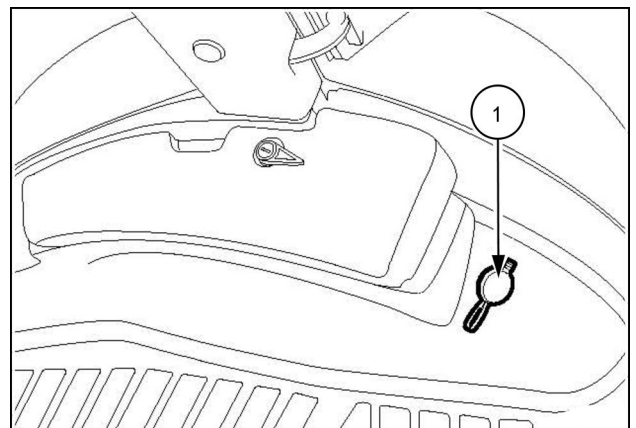
LEEN11T0070AA 7

Front and rear windshield washer reservoir

This reservoir (1) is located on the left-hand side of the cab and has two electric pumps controlled by a switch or by the lever for the direction indicators, main beams, front windshield wiper and washer.

NOTE: In cold weather, use a windshield washer with low temperature capability.

NOTICE: Never operate the windshield washer when the reservoir is empty, since this may damage the electric pumps.



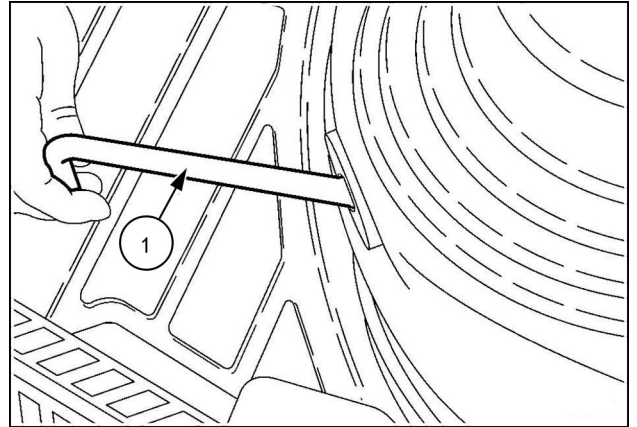
LEEN11T0069AA 8

Locking the loader attachment controls (Specific to certain countries)

This pin (1), located next to the control lever, is used to lock the attachment controls.

To lock the controls, remove the pin from its housing and install it in the specially provided hole in the console.

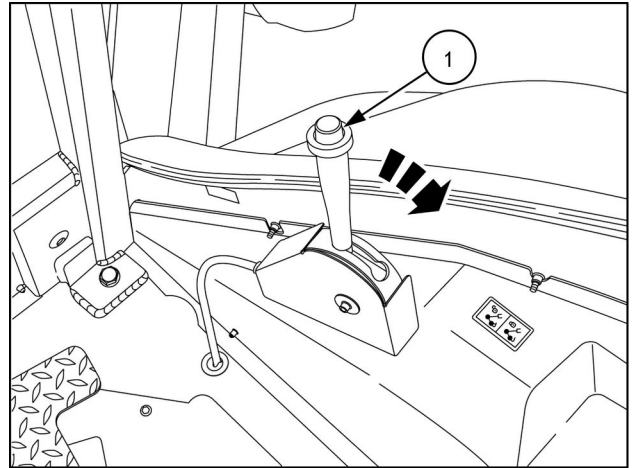
NOTICE: Before leaving the operator's compartment, undertaking any road travel or working with the backhoe attachment, place the pin in locking position.



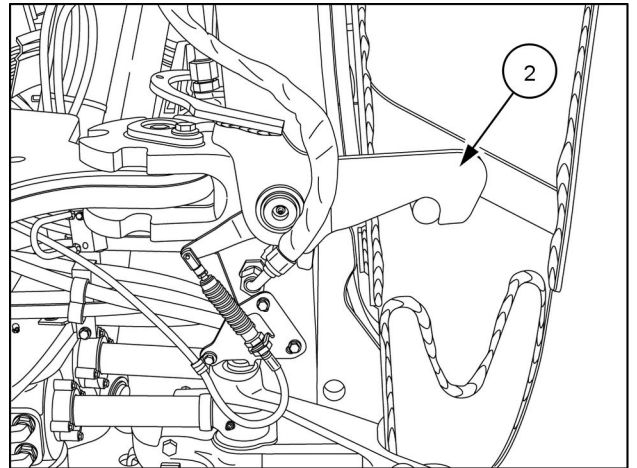
LEEN11T0180AA 1

3 - CONTROLS AND INSTRUMENTS

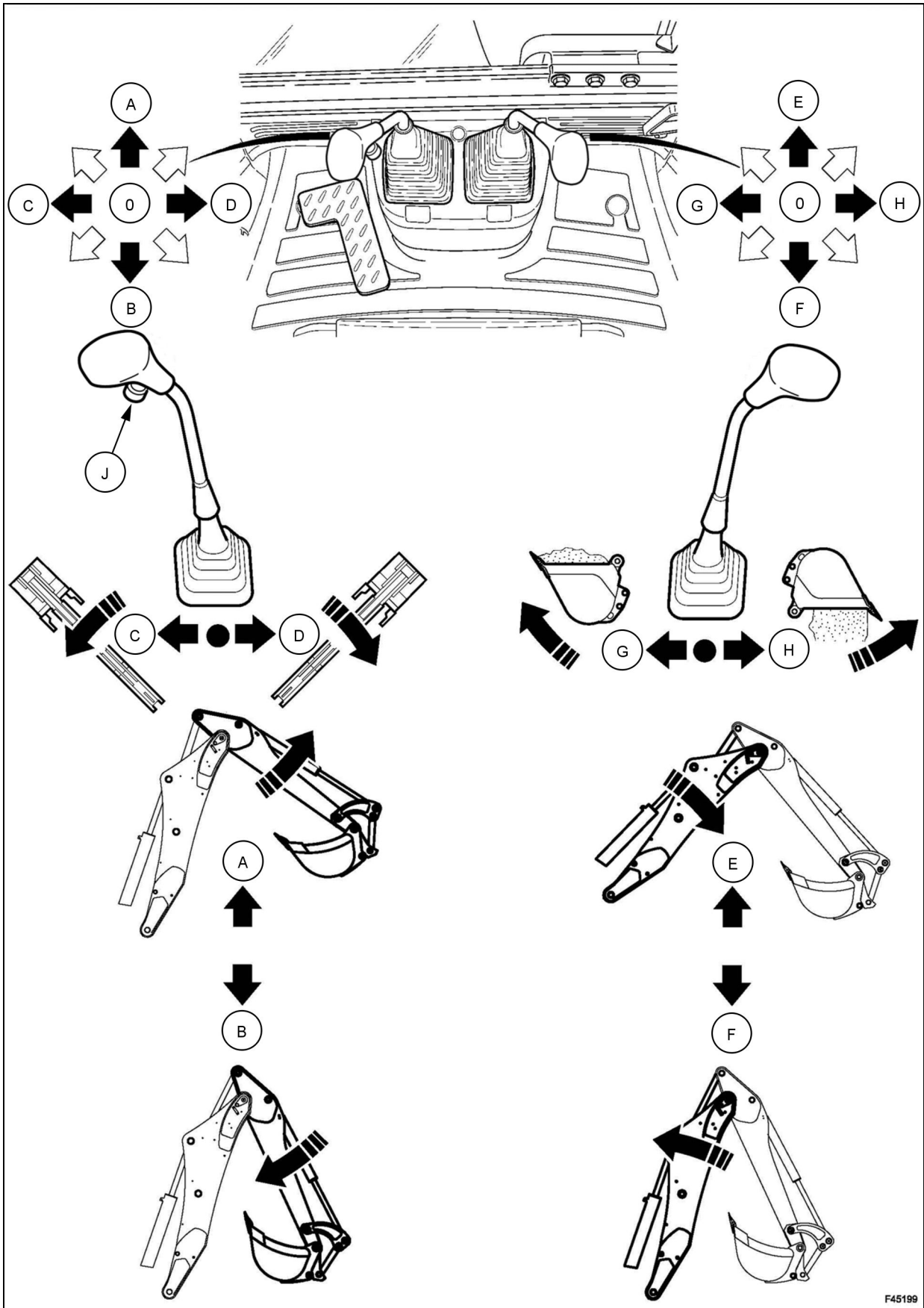
9. Retract the boom arm until the boom lock **(2)** engages.
10. Press the button on the boom lock control lever **(1)** and move it backward to secure the boom lock **(2)**.



RAIL15TLB0052AA 3



RAIL15TLB0048AA 4



RAIL18TLB0112HA 4

F45199

NOTE: The functions of the controls are the same for both the overlapping cylinder boom and the in-line cylinder boom.

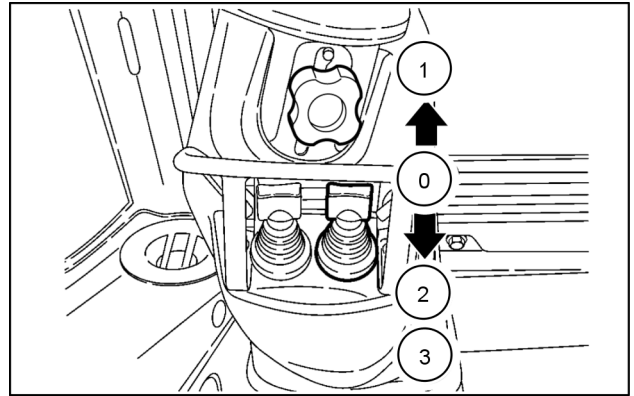
Auto-up feature (Center pivot version) (Optional)

Position 3 when the levers are momentarily pulled back to this position and then released, they return to the neutral position and the stabilizers automatically rise to road travel position, thereby leaving your hand free for other duties. To stop the automatic rise at any time, push or pull the levers; the rise of the stabilizers stops.

NOTE: the machines not provided with the optional auto-up feature still have the relevant detent position, but this does not affect the stabilizer operation in any way.

NOTICE: Before machine travel or before using the loader attachment, make sure the stabilizers are completely raised.

NOTICE: During road travel, the stabilizers must be completely raised and immobilized by means of the pins provided for that purpose.



MOL112LBB0185AB 12

Telescopic dipper controls (If fitted)

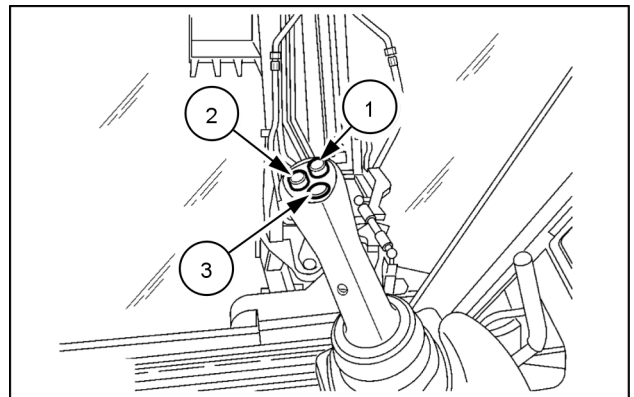
Press and hold down the right-hand button (1) to extend the telescopic dipper. As soon as the button is released the dipper stops and remains in the position it occupied when the button was released.

Press and hold down the left-hand button (2) to retract the telescopic dipper. As soon as the button is released the dipper stops and remains in the position it occupied when the button was released.

By pressing button (3), it is possible to set the engine rpm to idle run disabling accelerator handle and accelerator pedal. By pressing again button (3) the engine rpm are restored and the accelerator handle and accelerator pedal as well.

Before using these controls, make sure the telescopic dipper is mechanically unlocked.

NOTE: Operating the backhoe attachment control levers and these controls simultaneously will enable numerous possibilities of progressive functioning.



MOL112LBB0186AB 13

4 - OPERATING INSTRUCTIONS

Holes, obstacles, debris and other hazards in the working area can cause serious physical injury. Always walk around and identify all possible hazards before operating the machine in a new working area.

Make sure you know the location of underground pipes or cables before beginning work.

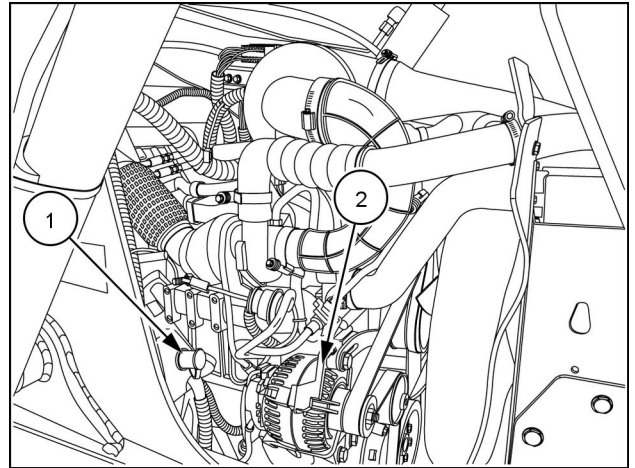
Electrical cables, gas pipes, water pipes or other underground installations can cause serious physical injury.

Do not work close to live overhead electric lines without first making sure that the minimum distances are observed: **5 m**.

Assisted starting connections

Two persons are required for this procedure. Make sure the person making the connection is wearing hand and face protection.

1. Switch off all electrical accessories in receiving machine and turn key switch to "0".
2. Switch off all accessories in supplying machine (booster battery) and shut off engine.
3. Open the engine hood.
4. Remove the red cap from the jump post **(1)** on the right-hand side of the engine.
5. Connect the red jumper cable to the jump post **(1)** on the right-hand of the machine with the discharged battery.
6. Connect the other end of the red jumper cable to the positive terminal on the booster battery.
7. Connect the black jumper cable to the negative terminal on the booster battery.
8. Connect the other end of the black jumper cable to the alternator frame **(2)** on the machine with the discharged battery.
9. Start the engine of the supplying machine.
10. Increase RPM.
11. Start the engine of the receiving machine.
12. If the engine does not start up after **30 s**, wait one minute before restarting.
13. After the machine with the discharged battery starts, activate some of the accessories with high current absorption, such as complete lighting and air-conditioning.
14. This prevents voltage peaks, which might damage electronic modules, from occurring when the jumper cables are disconnected.
15. Remove the black jumper cable from the alternator frame.
16. Remove the other end of the black jumper cable from the booster battery.
17. Remove the red jumper cable from the jump post **(1)**.
18. Remove the other end of the red jumper cable from the booster battery.
19. Run the engine at moderate speed for about half an hour. The batteries recharge partially.
20. Have the electrical system of the machine checked, to determine why the batteries were dead.



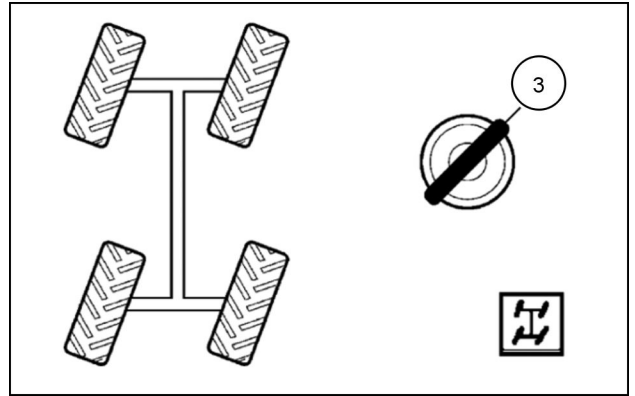
RAIL16TLB0368BA 1

Crab steer

(The 4 wheels all steer in the same direction).

Switch in position **(3)**.

Turn the switch to the right. The machine will travel to the right or the left, in a straight line and at an angle of up to 15 degrees to the right or left of the straight ahead direction.



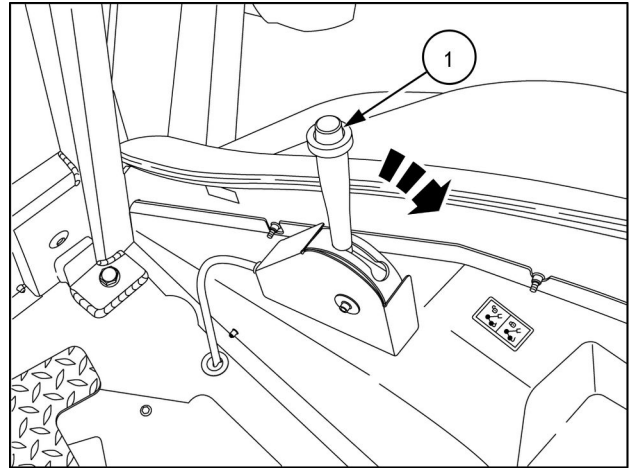
LEEN11T0117AA 4

Mechanical transport lock

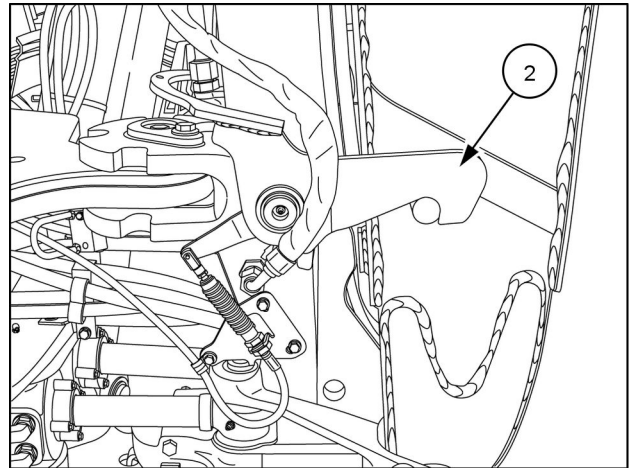
14. Lock the backhoe attachment:

- A. Press the button on the backhoe transport lock lever (1) and move it backward to engage the boom lock
- B. Retract the boom arm until the transport lock (2) engages.

NOTICE: Do not attempt to use the backhoe attachment with the boom in the transport position, as this could damage the locking system.



RAIL15TLB0052AA 4



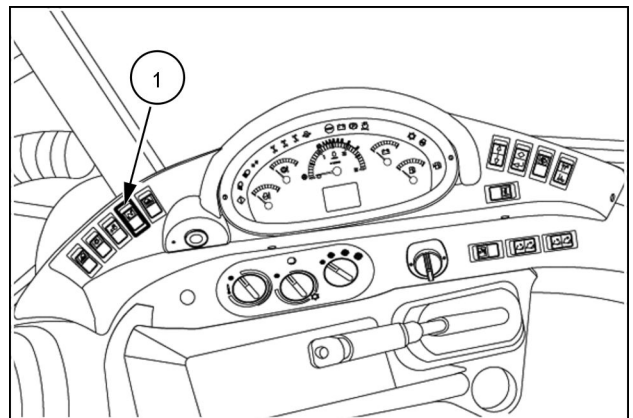
RAIL15TLB0048AA 5

Hydraulic transport lock

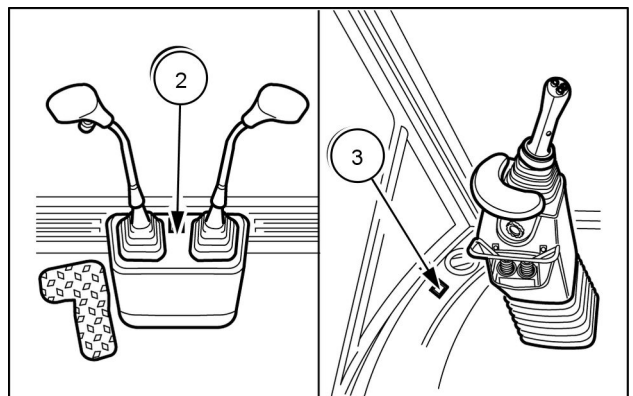
15. Lock the backhoe attachment:

- A. Place the switch (1) in the ON position. The indicator lamp (2) (mechanical backhoe control models) or the indicator lamp (3) (pilot backhoe models) turns on.
- B. Retract the boom arm until the transport lock engages.

NOTICE: Do not attempt to use the backhoe attachment with the boom in the transport position, as this could damage the locking system.



LEEN11T0146AA 6



MOL112LBB0249AB 7

6 - WORKING OPERATIONS

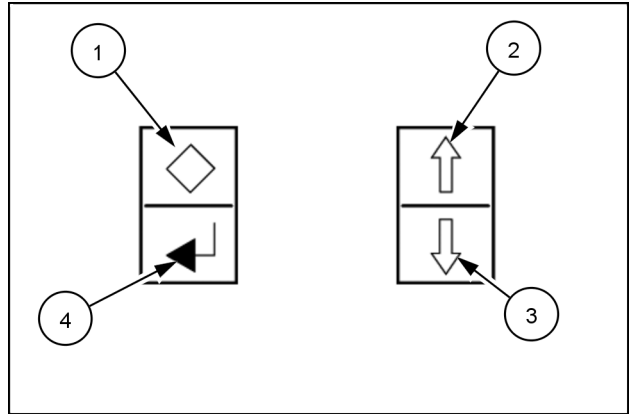
GENERAL INFORMATION

Forward-Neutral-Reverse (F-N-R) shift sensitivity

NOTE: Machines with the optional Powershift transmissions only.

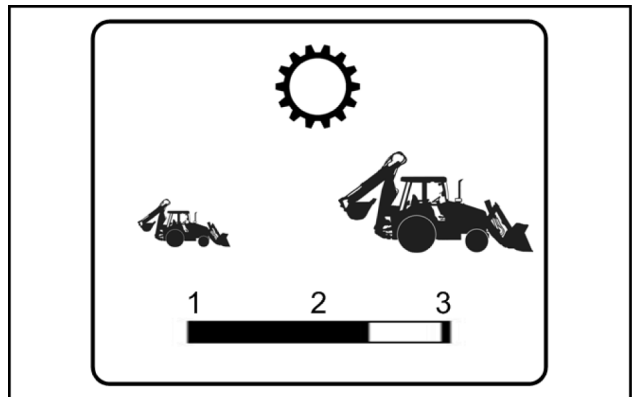
Change F-N-R shift sensitivity:

1. Press Enter (**4**) to access the menu screens.
2. Press the up arrow (**2**) or the down arrow (**3**) to navigate through the menu screens.



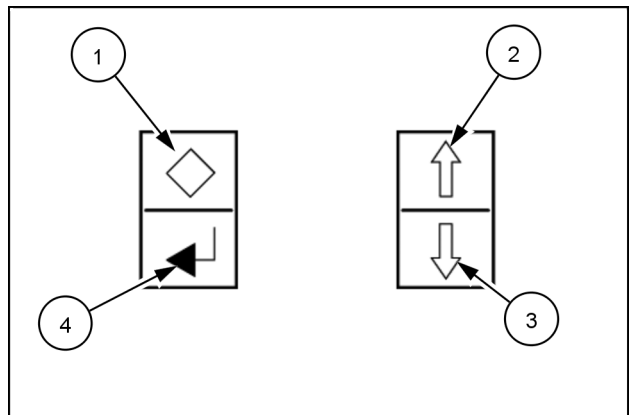
LEEN12T0526FA_4 1

3. When the F-N-R shift sensitivity screen displays, press Enter. The setting bar flashes.
4. Press the up arrow or the down arrow to adjust the setting, where 1 is least aggressive and 3 is most aggressive.
5. Press Enter to save the selection.



RCIL10TLB035AAF 2

6. Use the arrows to navigate to a different menu screen or press Escape (**1**) until you return the main screen (engine hourmeter).

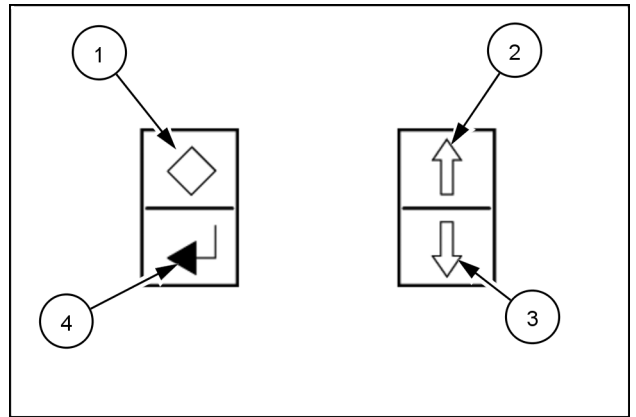


LEEN12T0526FA_4 3

Auto-Ride Control™ (ARC) speed thresholds

Change the **Auto-Ride Control™ (ARC)** speed threshold:

1. Press Enter (**4**) to access the menu screens.
2. Press the up arrow (**2**) or the down arrow (**3**) to navigate through the menu screens.



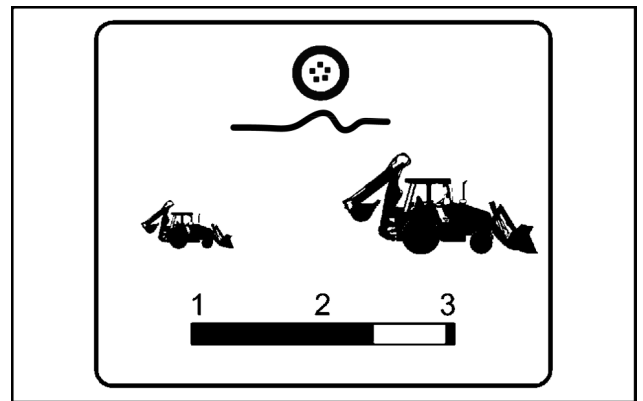
LEEN12T0526FA_4 1

3. When the ARC speed threshold screen displays, press Enter. The setting bar flashes.

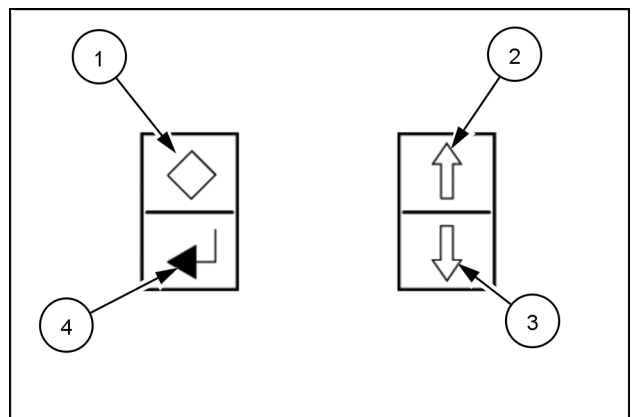
Setting level	ARC activates (speeds faster)	ARC deactivates (speeds slower)
1	9.2 km/h (5.7 mph)	7.6 km/h (4.7 mph)
2 (default)	9.5 km/h (5.9 mph)	7.9 km/h (4.9 mph)
3	9.9 km/h (6.2 mph)	8.4 km/h (5.2 mph)

NOTE: Speeds are approximate depending on tire size, model, and transmission type.

4. Press the up arrow or the down arrow to adjust the speed threshold setting.
5. Press Enter to save the selection.
6. Use the arrows to navigate to a different menu screen or press Escape (**1**) until you return the main screen (engine hour meter).

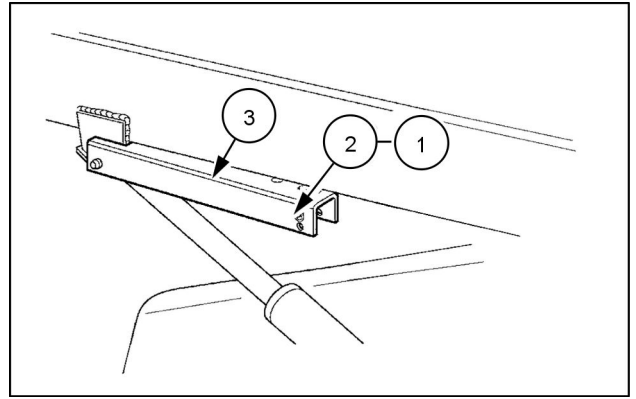


RCPH11TLB001AAD 2



LEEN12T0526FA_4 3

4. Remove the strut **(3)** from the attachment and install the pin **(1)** and the split pin **(2)** back into the holes in the strut.
5. Start the engine and lower the loader attachment.

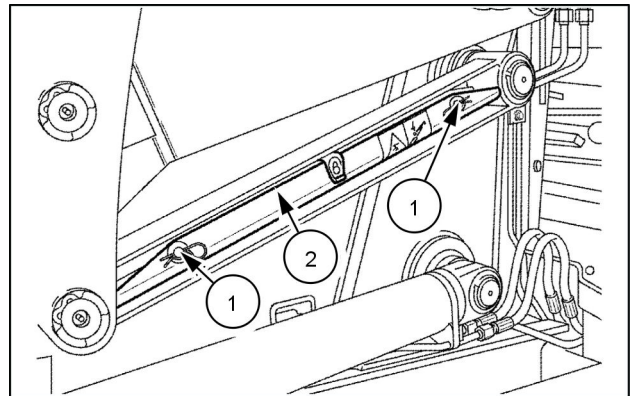


MOL112LBB0263AB 4

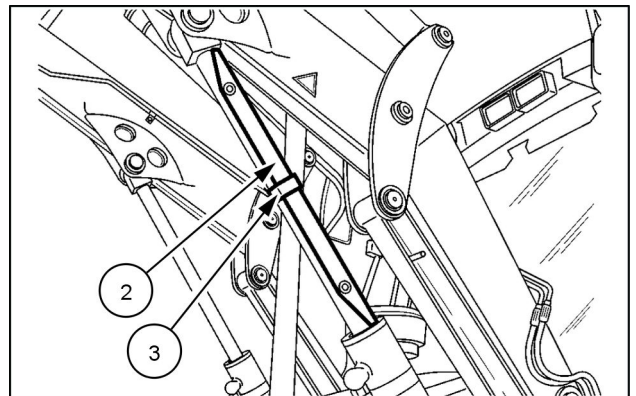
Four-Wheel Steer (4WS) machines (695ST)

Engage the loader arm support strut:

1. Empty the loader bucket.
2. Raise the loader lift arms to the maximum height.
3. Stop the engine and remove the starter switch key.
4. Remove the split pins **(1)** and the safety strut **(2)** from the storage position on the loader arm. Put the split pins back in place.
5. Place the strut **(2)** on the cylinder rod and fasten it by means of the fastening flip **(3)**.
6. Lower the loader attachment until the safety strut is firmly against the cylinder.



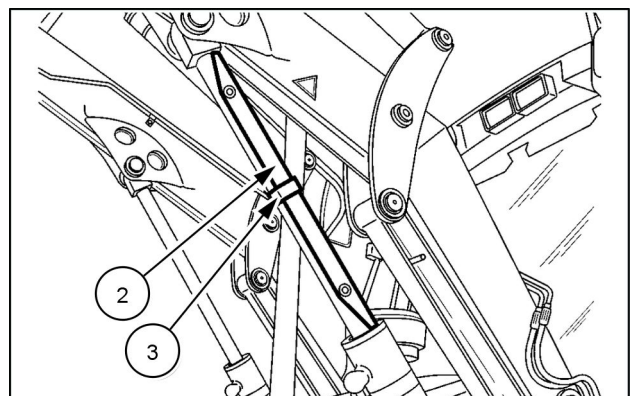
MOL112LBB0264AB 5



MOL112LBB0265AB 6

Disengage the loader arm support strut:

1. Raise the loader lift arms to the maximum height.
2. Stop the engine and remove the starter switch key.
3. Remove the flip **(3)** and the strut **(2)** from the cylinder rod.



MOL112LBB0265AB 7

Backhoe danger area

⚠ WARNING

Crushing hazard!

Never place loose items in the operator's platform. Never walk into the danger area to place loose items in the operator's platform. You could inadvertently actuate a control.

Failure to comply could result in death or serious injury.

W1450A

⚠ WARNING

Hazard to bystanders!

Always know the location of all workers in your area. Warn them before you start operating the machine. Always keep all unauthorized bystanders clear of the work area.

Failure to comply could result in death or serious injury.

W0206A

⚠ WARNING

Hazard to bystanders!

When working in an area with reduced visibility, such as next to a building, always install a guardrail and post warning signs to keep bystanders away from the machine.

Failure to comply could result in death or serious injury.

W0200A

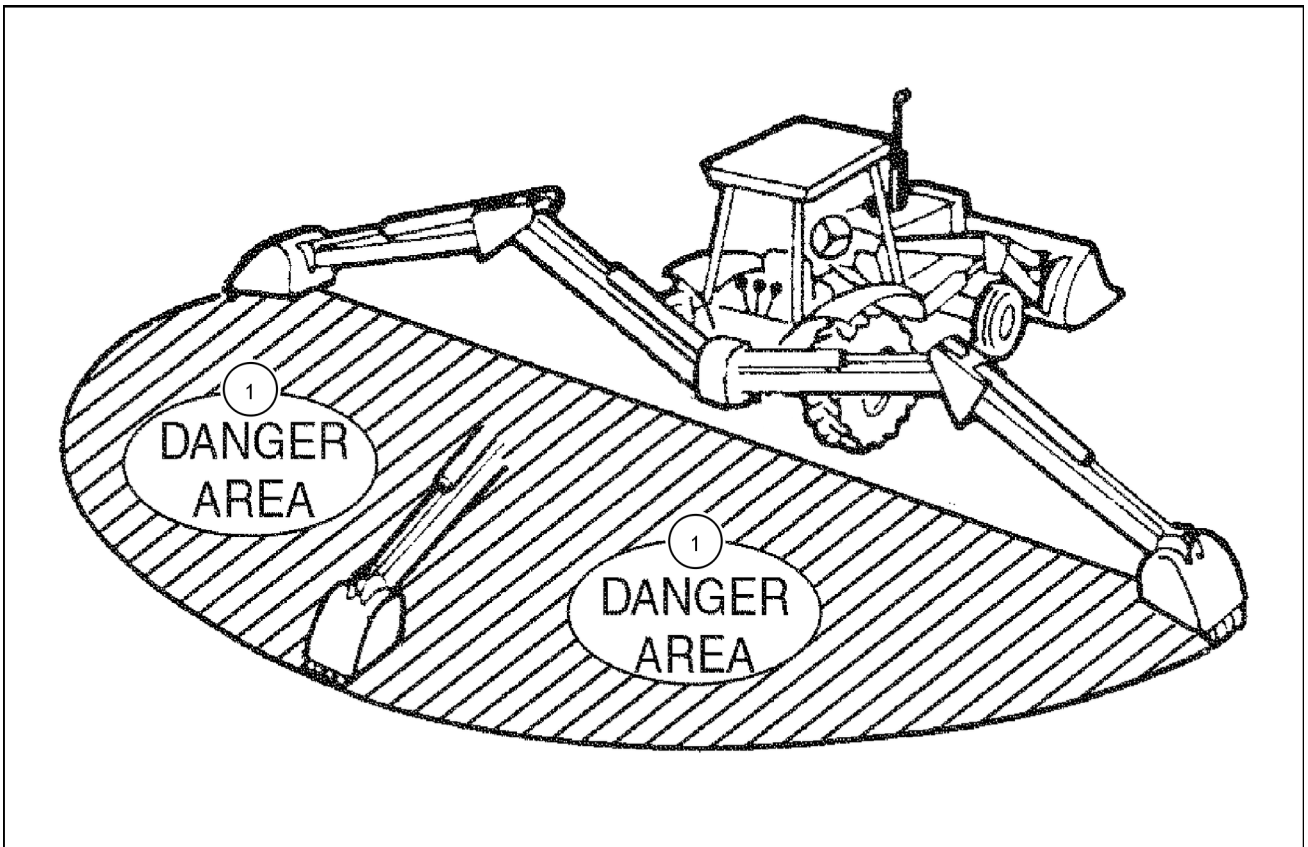
⚠ WARNING

Tip-over hazard!

Do not dig the ground under the backhoe stabilizers. The machine can fall into the excavation site if the embankment collapses.

Failure to comply could result in death or serious injury.

W0198A



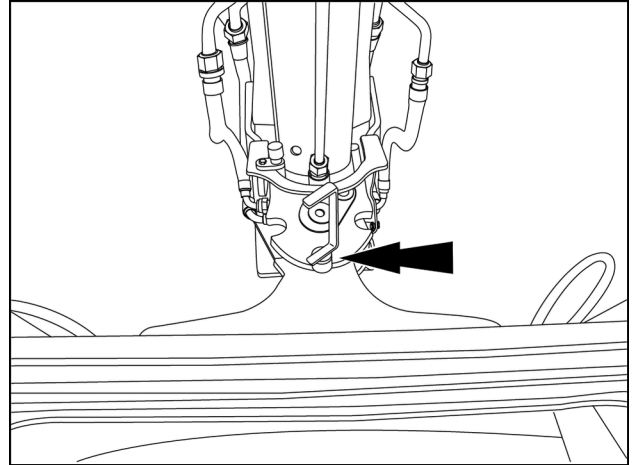
RAIL16TLB1341FA 1

Backhoe danger area (1)

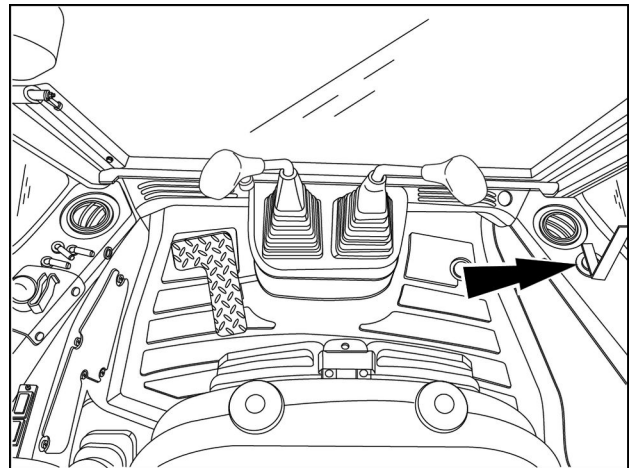
Center pivot machines

Removing the backhoe from the stowed position (mechanical)

1. Start the machine.
2. Place the direction control lever in NEUTRAL position.
3. If applicable, place gearshift control lever in the NEUTRAL position.
4. Turn the seat into the backhoe operation position.
5. If applicable, open the rear window.
6. From the operator's seat, remove the swing lock pin and place it in the storage position.



RAIL16TLB1340BA 15



RAIL18TLB0404BA 16

7. Lower the stabilizers to the ground so that the rear tires are just off the ground.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below

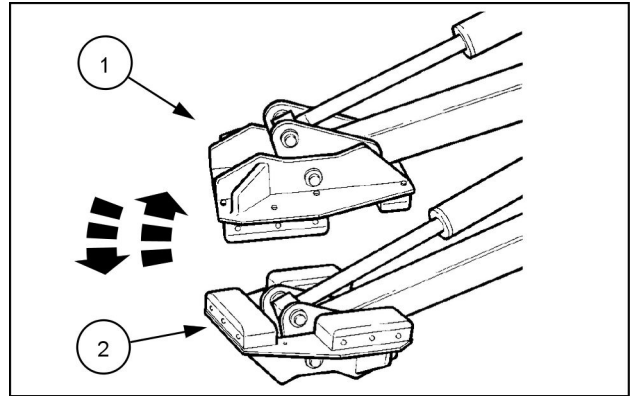


- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

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Combination flip-over stabilizer pads:

- Working on paved surfaces (rubber pad down) **(1)**
- Working on unpaved surfaces (rubber pad up) **(2)**



MOL112LBB0515AA 3

Backhoe bucket - Universal backhoe coupler (optional)

⚠ WARNING

Avoid injury and/or machine damage!

Before operating the machine, make sure the attachment is securely connected to the machine. Apply downward pressure with the bucket to the ground to make sure the coupler connection is secure.

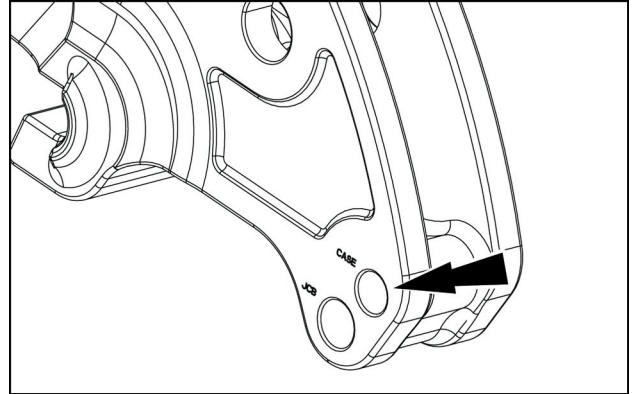
Failure to comply could result in death or serious injury.

W0932A

The universal backhoe coupler allows bucket compatibility with CASE CONSTRUCTION and J.C. Bamford Ltd. (JCB™) backhoe buckets. Use the embossed letters as a guide; CASE (CASE CONSTRUCTION), JCB (JCB™). CASE CONSTRUCTION compatible buckets:

CASE CONSTRUCTION compatible buckets:

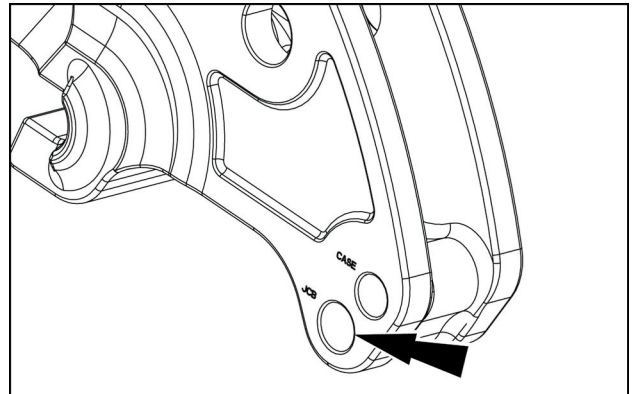
- K and SK-series
- L and SL-series
- M and SM-series
- N and SN-series
- P and SP-series
- R and SR-series
- T and ST-series



RAIL16TLB0750AA 1

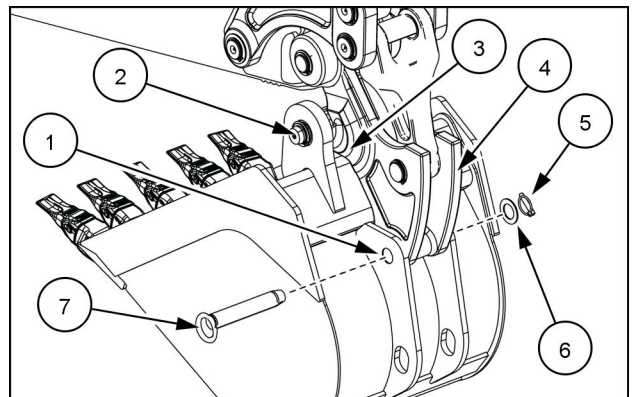
JCB™ compatible buckets:

- 980/89980 - 980/89986 (Deep profile)
- 980/89988 - 980/89995 (General purpose)
- 900/90005 - 980/90012 (Heavy duty)



RAIL16TLB0750AA 2

1. Use the hook on the universal coupler (3) to engage the pre-installed front bucket pin (2) on the bucket.
2. Rotate the coupler to align the lower holes in the universal coupler (4) with the upper holes in the lower lug of the bucket (1).
3. Insert the bucket pin (7) through the upper holes in the lower lug of the bucket (1) and the lower holes in the universal coupler (4).
4. Secure the bucket pin (7) in place with the washer (6) and the lock pin (5).



RAIL16TLB0738AA 3

Tips and best practices

NOTE: Contact your dealer with any questions regarding the service and maintenance of this machine.

- Use CASE CONSTRUCTION fluids, lubricants, and filters for the best protection and performance of your machine.
- Perform maintenance procedures in a timely matter. Follow the maintenance chart.
- Dispose of all fluids, lubricants, and filters in compliance with environmental standards and regulations.
- Wait for the engine, hydraulic systems, and all components in the area that requires service to cool down.
- Clean the grease fittings before lubricating.
- Before filling oil, clean the area around plugs and fill points.
- Make every attempt to prevent dust, dirt, or other contaminants from entering the hydraulic systems.
- Install all guards and covers after the service procedure is complete.

Fuel tank

⚠ WARNING

Fire hazard!

When handling diesel fuel, observe the following precautions:

1. Do not smoke.
2. Never fill the tank when the engine is running.
3. Wipe up spilled fuel immediately.

Failure to comply could result in death or serious injury.

W0099A

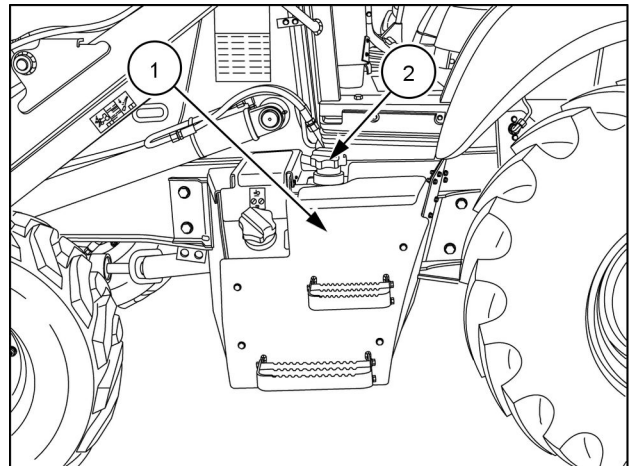
The fuel tank (1) is located on the left-hand side of the machine, under the cab.

NOTE: Fuel tank capacity 131.0 L (34.6 US gal).

Fill the fuel tank through the filler cap (2).

In cold weather, use a fuel suitable to the ambient temperature and refill at the end of each working day, in order to prevent condensation.

The filler cap (2) can be unlocked and opened only with the starter switch key. During installation, make sure it is correctly fitted before locking it.



RAIL15TLB0037AA 1

Work hours and intervals

One of the premises for the Manufacturer to satisfy the warranty obligations is the regular performance of all inspection, maintenance and repair operations prescribed, according to the instructions given in this manual, as well as the use of original spare parts.

During the warranty period, all inspection, maintenance and repair operations, except for the daily and weekly inspection and maintenance, must be carried out by the Service Department or an authorized workshop.

In order to guarantee the good operation and a long life of the machine and its components, some intervals have been defined for the performance of maintenance operations; these intervals must be carefully observed.

The maintenance intervals indicated in this manual apply to normal operating conditions. If operating conditions are more severe, the intervals will have to be accordingly reduced.

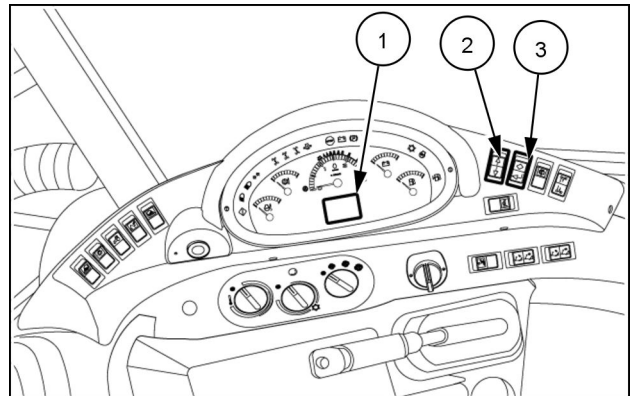
Hourmeter

Observe the maintenance intervals by daily consulting the work hours displayed by the hourmeter located in the side instrument.

The hours are shown on the display **(1)** located in the side instrument.

To display the hours when the machine is off:

- Press either switch **(2)** or **(3)**.
- The hours are displayed for about **15 s**.



LEEN11T0352AA 1

Diesel Exhaust Fluid (DEF)/AdBlue®/ARLA tank - Filling

Diesel Exhaust Fluid (DEF)/AdBlue® tank capacity: 13.5 L (3.6 US gal).

When the Diesel Exhaust Fluid (DEF)/AdBlue® low fluid symbol appears in the display you will also notice one of the following symbols illuminate on the instrument cluster:



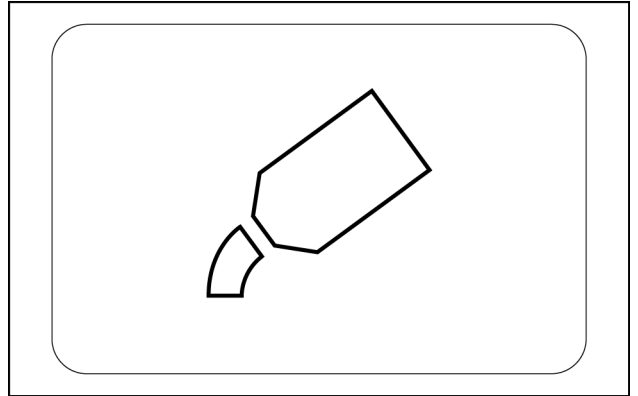
Warning symbol and an audible alert. The system detects that the DEF/AdBlue® fluid is too low.



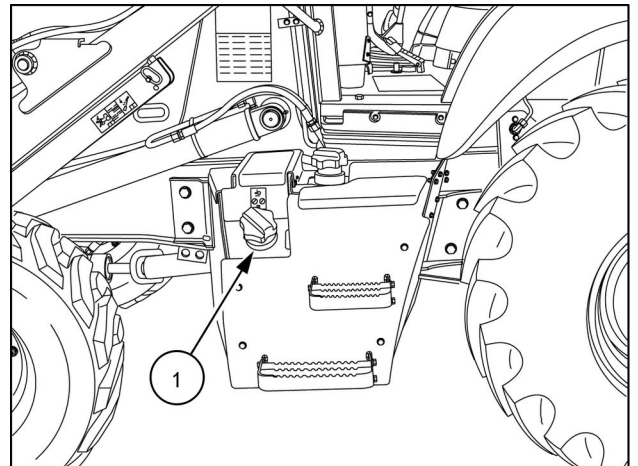
Stop symbol with an audible alert. The system detects that the DEF/AdBlue® fluid is extremely low. The system will begin to de-rate engine speed and torque.

NOTE: When you refuel your machine also fill the DEF/AdBlue®.

1. Remove the filler cap (1) on the DEF/AdBlue® tank.



RAIL14TLB1090AA 1

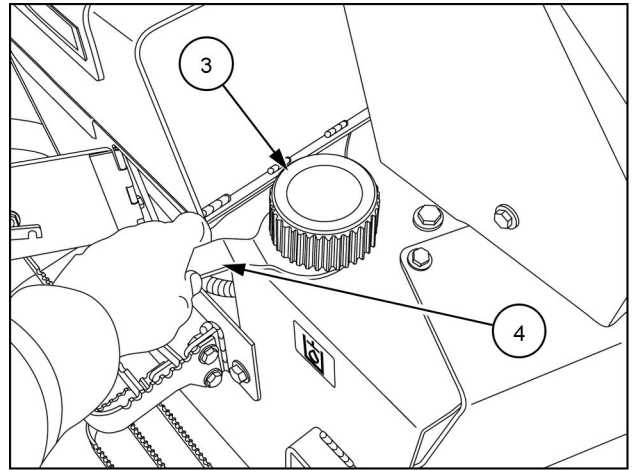


RAIL15TLB0037AA 2

2. Fill the tank with DEF/AdBlue®.

10. If necessary, remove the tank fill cap/breather (3) with the special wrench (4) and add additional **CASE AKCELA NEXPLORE™ FLUID** until the level is correct inside of the level sight gauge.

NOTE: Even when oil level is insufficient, a small quantity of hydraulic oil remains in the lower part of the gauge. This does not indicate that the level is sufficient.



RAIL15TLB0083AA 3

Oil specification

Use **CASE AKCELA NEXPLORE™ FLUID**. If equipped with Severe Cold Weather Package (SCWP) use **CASE AKCELA HY-TRAN® ULTRACTION SSL**.

NOTICE: Oil quality and cleanliness are of utmost importance for the reliability and life of the hydraulic system. Deviation from the prescribed oil specification may lead to severe damage and void the warranty.

NOTE: **CASE AKCELA HY-TRAN® ULTRACTION** is an acceptable alternative to **CASE AKCELA NEXPLORE™ FLUID**.

Every 50 hours

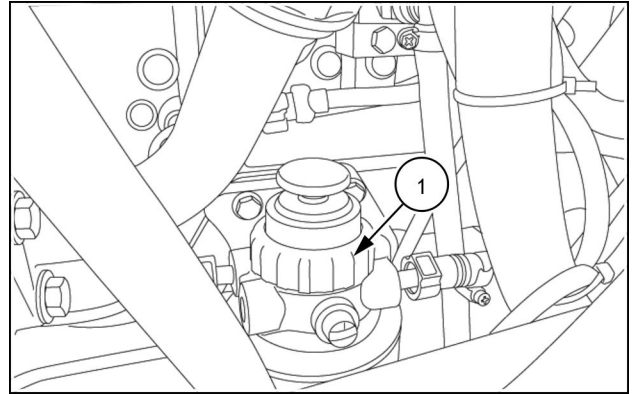
Fuel pre-filter - Drain condensation

⚠ WARNING

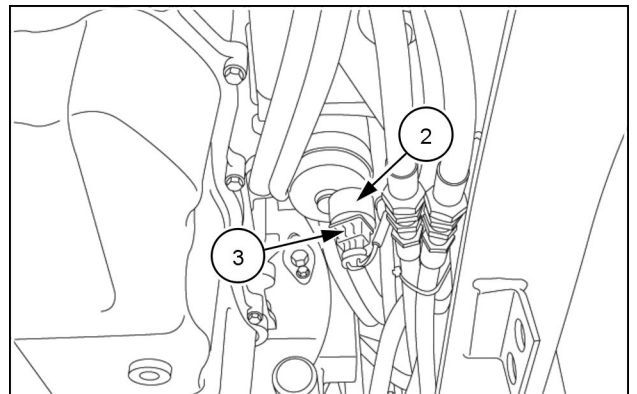
Fire hazard! Avoid injury and/or machine damage!
During maintenance activities, make sure that the high-pressure fuel lines are not damaged. A fuel leak from the high-pressure fuel lines can cause an accident and/or serious personal injury. If the fuel lines are damaged, contact your dealer immediately.
Failure to comply could result in death or serious injury.

W1335A

1. Move the machine to a level and firm ground.
2. Raise the loader attachment and engage the safety strut.
3. Place the backhoe attachment in the road travel position.
4. Place the direction-of-travel lever and gearshift lever in neutral position.
5. Engage the parking brake.
6. Stop the engine and remove the starter switch key.
7. Wait the time necessary to allow the engine and the fuel system to cool down.
8. Open the engine compartment hood.
9. Place a suitable container under the filter. Drain the water and sediments from the fuel filter (1) through the draining valve (2).
 - From the bottom of the filter, remove the connector (3).
 - Install a 1 m (3 ft) long drain tube onto the draining valve and put the other end of the tube into the container.
 - Loosen the draining valve about two turns. As soon as clean fuel exits the drain tube close the draining valve.
 - Tighten the draining valve. Do not over tighten the drain valve.
 - Bleed air from the fuel system, see 7-143)



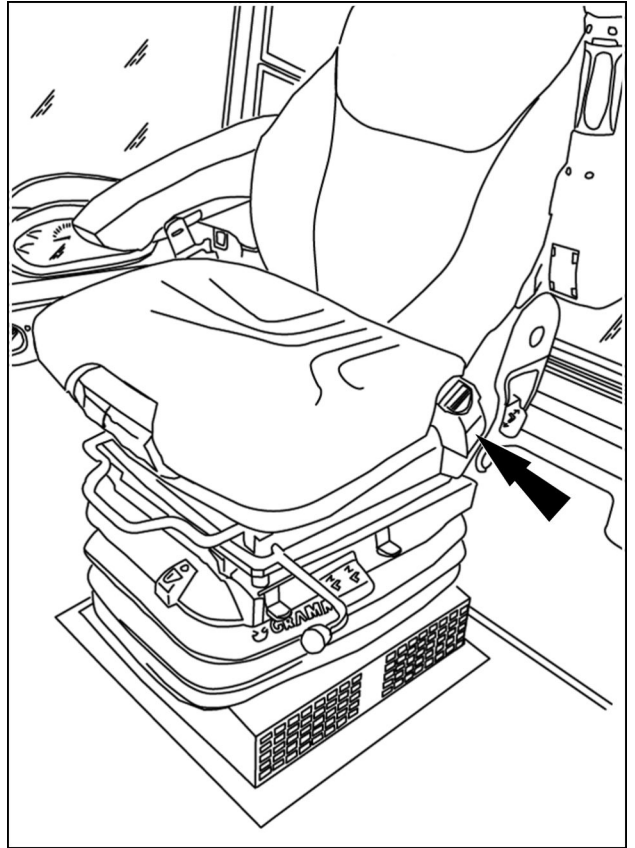
LEEN11T0355AA 1



LEEN11T0370AA 2

NOTE: The draining interval can be increased or decreased, depending on the presence of water and the quantity of fuel

1. Check and inspect the ROPS/FOPS structure and the seat restraint system every **500 h** of operation.
2. Before you operate this machine, always make sure the ROPS/FOPS and operator's seat belt is correctly installed.
3. The seat belt is an important part of the ROPS/FOPS. You must wear the seat belt at all times when you operate the machine.
4. Make sure all hardware that secures the seat to the cab is properly torqued. Make sure all seat belt hardware is secure and torqued.
5. Torque seat belt hardware to **73 – 87 N·m (53.8 – 64.2 lb ft)**.
6. Keep seat belts away from objects that can damage the seat belts.
7. Keep the seat belts clean. Wash the seat belts only in soap and water. Do not put the seat belts in bleach or dye. This will weaken the seat belt.



LEEN11T0001BA_1 2

Torque specifications for ROPS cab

Check the torque of the mounting bolts for the ROPS canopy and the ROPS cab during the run-in period of a new machine, as well as at the **500 h** maintenance interval.

8. Check for cracks, rust, or holes in the ROPS and ROPS components. Age, weather, and accidents can cause damage to the ROPS and ROPS parts. If you have any doubt about the integrity of the ROPS system, see your CASE CONSTRUCTION Dealer.

⚠ WARNING

Tip-over hazard!

Adding additional weight (buckets, attachments, etc.) to the machine can create a tipping hazard. Do not exceed the gross weight indicated by the machine specifications.

Failure to comply could result in death or serious injury.

W0153A

9. Check the torque of the ROPS mounting bolts. If necessary, tighten the bolts to the correct torque.

Torque specifications

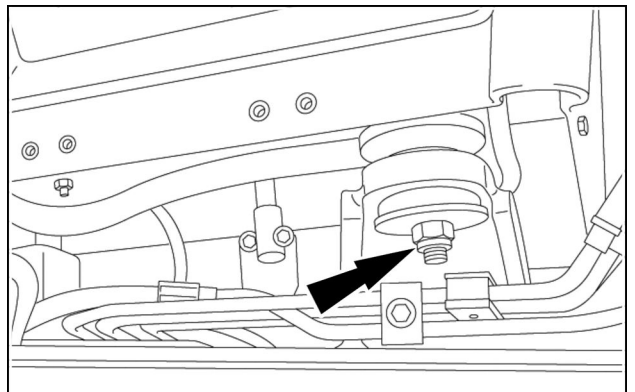
ROPS cab mounting bolts (both sides)

Torque to: **180 N·m (132 lb ft)**.

Seat mounting bolts

Torque to: **73 – 87 N·m (53.8 – 64.2 lb ft)**.

NOTE: Torque specifications are for clean, dry threads.



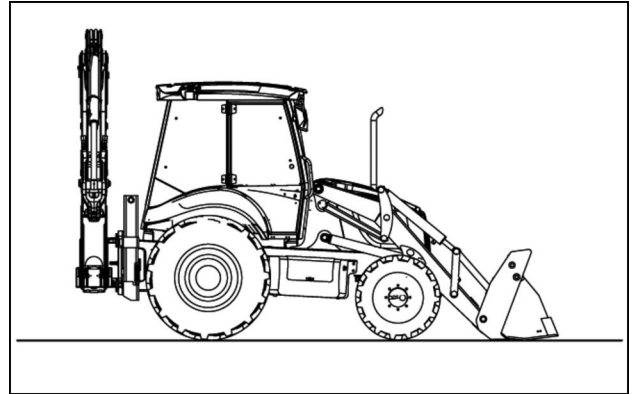
LEEN11T0377AA 3

Cooling system lines - Check

1. Make sure the machine is in safe condition.
2. Release any possible residual pressure by moving the control levers in all directions.
3. Stop the engine and remove the starter switch key.
4. Check for possible leaks from the cooling system lines.
5. Check the tightening of the collars, fittings, hoses and pipes of the cooling system.

Rear axle breather valve - Cleaning

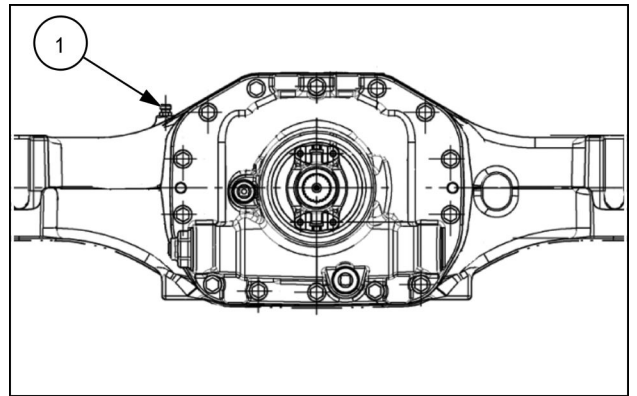
1. Move the machine to a level and firm ground.
2. Lower the loader attachment to the ground.
3. Place the backhoe attachment in the road travel position.
4. Place the direction-of-travel lever and gearshift lever in neutral position.
5. Immobilize the machine with the parking brake.
6. Stop the engine and remove the starter switch key.



LEEN11T0362AA 13

2WS

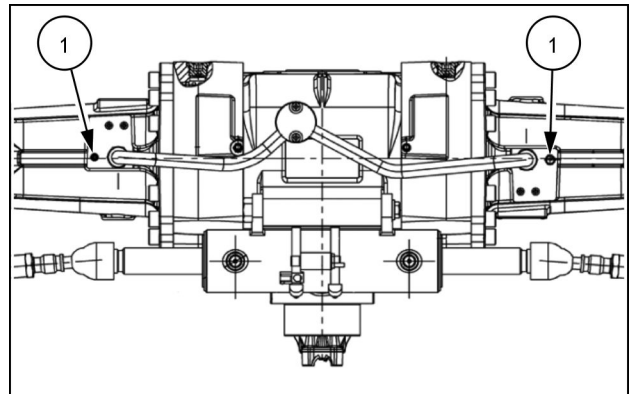
1. Clean the area around the breather valve (1).
 2. Loosen and remove the breather valve.
 3. Clean the breather valve (1) with a detergent solution.
- NOTICE:** Follow the instructions for the detergent solution.
4. Carefully dry the breather valve (1) with compressed air and reinstall it.
 5. Screw in the breather valve (1) again.



LEEN11T0386AA 14

4WS

1. Clean the area around the breather valves (1).
 2. Unscrew and remove the breather valves.
 3. Clean the breather valves (1) with a detergent solution.
- NOTICE:** Follow the instructions for the detergent solution.
4. Carefully dry the breather valves (1) with compressed air and reinstall them.
 5. Screw in the breather valves (1) again.



LEEN11T0388AA 15

Engine oil filter - Replacement

1. Move the machine to a level and firm ground.
2. Raise the loader attachment and install the safety support strut.
3. Place the backhoe attachment in the road travel position.
4. Place the direction-of-travel lever and gearshift lever in neutral position.
5. Immobilize the machine with the parking brake.
6. Stop the engine and remove the starter switch key.
7. Open and raise the engine guard.
8. Place a container with suitable capacity under the filter.
9. Unscrew and remove the cartridge **(1)** with the wrench **380000670**.

NOTICE: The oil filter contains an oil quantity of approximately **0.5 L (0.15 US gal)**

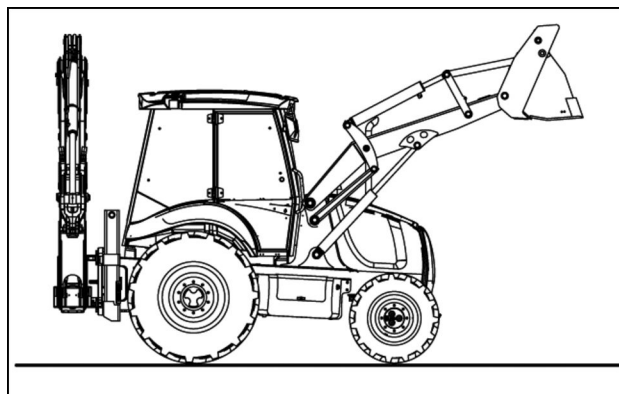
10. Apply a thin layer of clean oil on the seal of the new cartridge.

NOTE: Do not fill the new filter with oil before installing it.

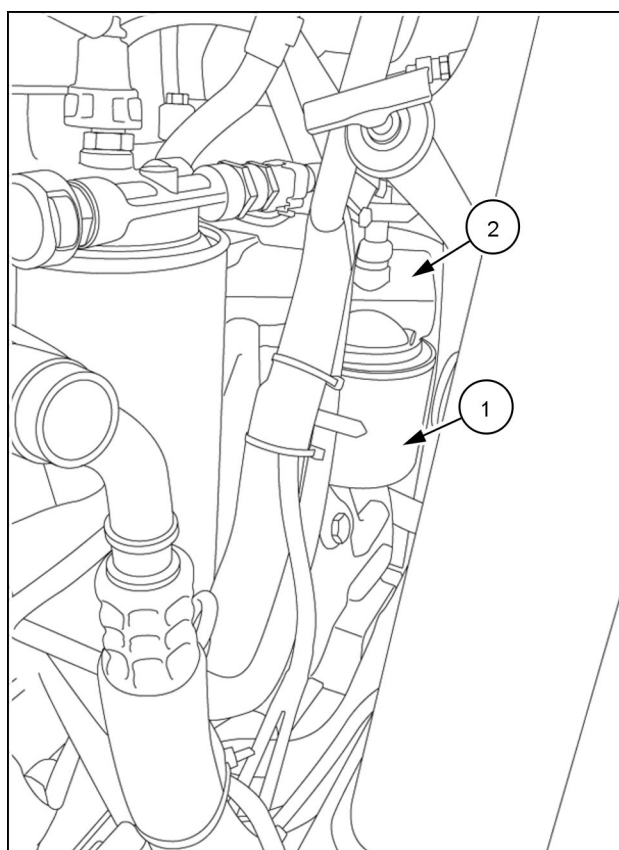
11. Assemble the new cartridge **(1)**.
12. Manually screw in the cartridge until the seal touches the support **(2)**.
13. By means of wrench **380000670**, tighten by 3/4 of a turn.

NOTICE: Overtightening can damage the filter seal.

14. Let the motor run for several minutes and then check the level again by means of the dipstick.
15. If necessary, top up to compensate the quantity of oil used for filling the cartridge.
16. Lower and lock the engine guard.
17. Remove the safety support strut and lower the loader attachment.



LEEN11T0354AA 4



LEEN11T0414BA_1 5

Oil specification and capacity

Use **CASE AKCELA UNITEK 10W-40** Engine oil **SAE 10W40, MAT3521** engine oil or an oil meeting the following specification:

- **API CJ-4**
- **ACEA E9**

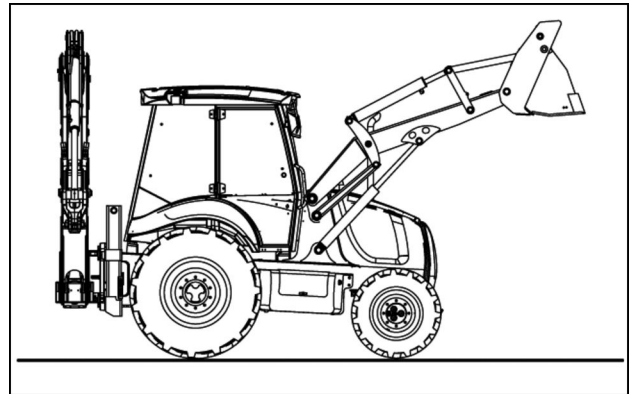
NOTE: A higher quality oil is acceptable.

NOTICE: For machines operating in cold regions, see 7-9.

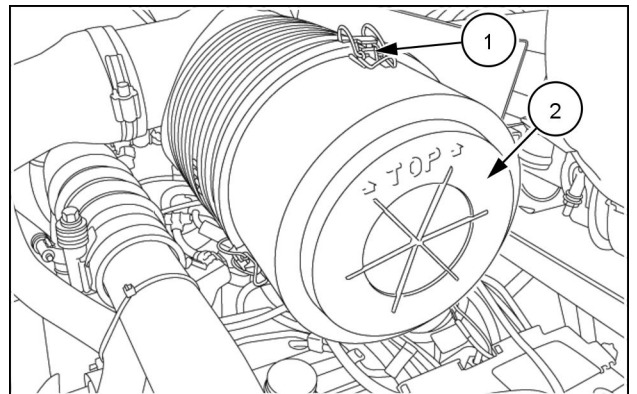
Engine oil capacity (with filter): **8.0 L (2.11 US gal)**

Engine air filters

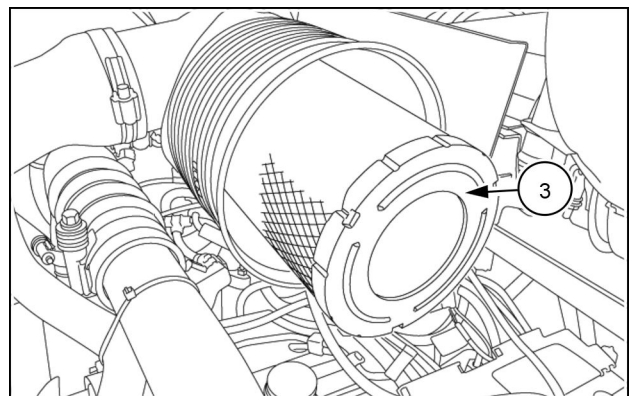
1. Move the machine to a level and firm ground.
2. Raise the loader attachment and install the safety support strut.
3. Place the backhoe attachment in the road travel position.
4. Place the direction-of-travel lever and gearshift lever in neutral position.
5. Immobilize the machine by means of the parking brake.
6. Stop the engine and remove the starter switch key.
7. Open and raise the engine guard.
8. Unhook the clips **(1)** around perimeter of filter cover **(2)** and remove the filter cover **(2)**.
9. Extract the main filter element **(3)**.



LEEN11T0354AA 1



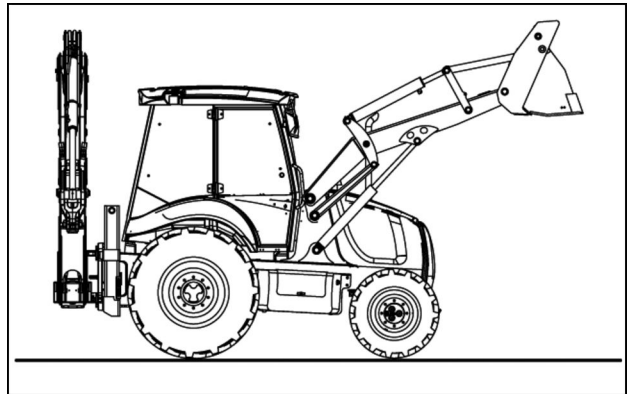
LEEN11T0402AA 2



LEEN11T0403AA 3

Powershift transmission - Oil change

1. Move the machine to a level and firm ground.
2. Raise the loader attachment and install the safety support strut.
3. Place the backhoe attachment in the road travel position.
4. Place the direction-of-travel lever and gearshift lever in neutral position.
5. Immobilize the machine with the parking brake.
6. Stop the engine and remove the starter switch key.
7. Open and raise the engine guard.

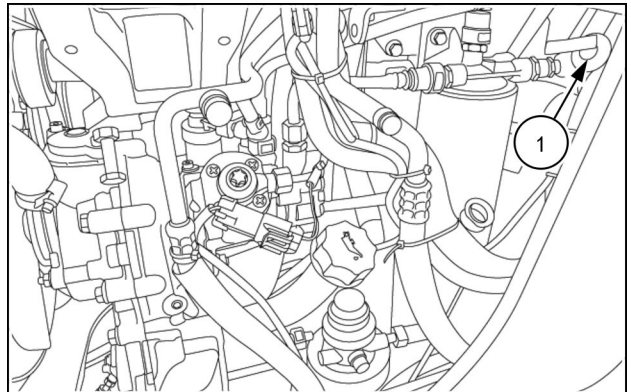


LEEN11T0354AA 1

8. Remove the dipstick (1).

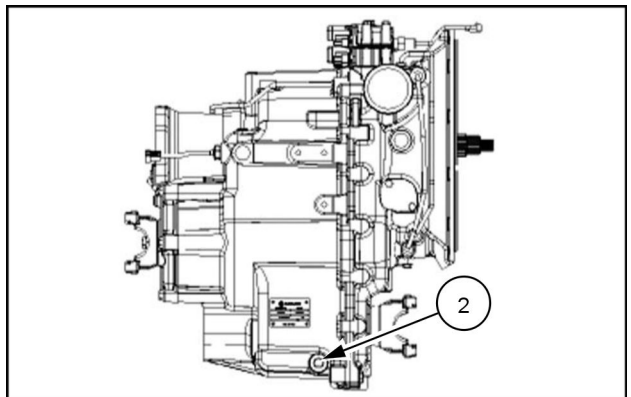
NOTE: Change the oil while the transmission is still warm; the oil will flow more easily.

9. Place a container with suitable capacity under the drain plug (2).
10. Loosen and remove the drain plug (2).
11. Let the transmission oil drain.



LEEN11T0356AA 2

12. Install the drain plug (2).
13. Fill with new oil of specified type through the dipstick hole.
14. Reinstall the dipstick (1).
15. Check the oil level with the dipstick and, if necessary, add more oil.
16. Drive the machine for a few minutes in first and second gear, then stop the engine.
17. Check the oil level with the dipstick and, if necessary, add more oil.
18. Lower and lock the engine guard.
19. Remove the safety support strut and lower the loader attachment.



LEEN11T0408AA_1 3

Oil specification and capacities

Use **CASE AKCELA NEXPLORE™ FLUID**. If equipped with Severe Cold Weather Package (SCWP) use **CASE AKCELA HY-TRAN® ULTRACTION SSL**

Capacity: **20.8 L (5.49 US gal)**

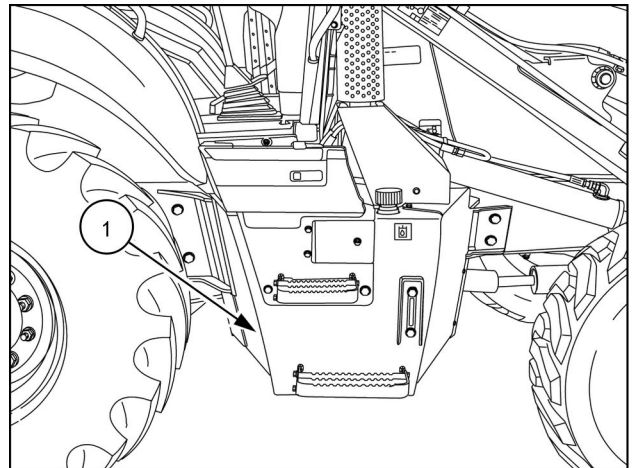
Hydraulic oil

1. Move the machine to a level and firm surface.
2. Lower the loader attachment to the ground.
3. Place the backhoe attachment in the road travel position.
4. Place the direction-of-travel lever and gearshift lever in the neutral position.
5. Engage the parking brake.
6. Stop the engine and remove the starter switch key.
7. Release any possible residual pressure from the hydraulic system by moving the control levers in all directions.

Draining

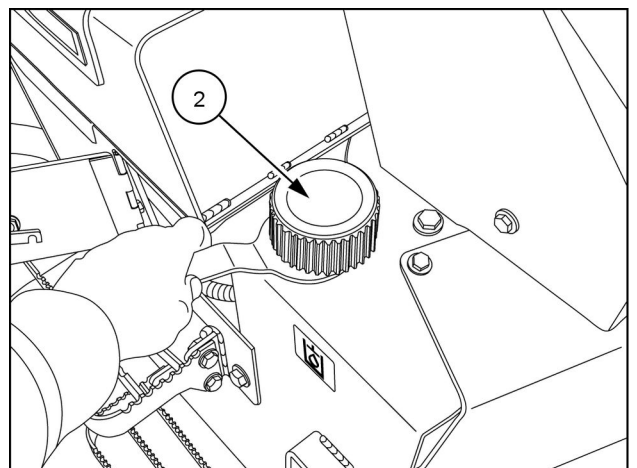
8. Place a container with suitable capacity under the hydraulic oil tank (1).

NOTE: When draining, the hydraulic oil must be at operating temperature.



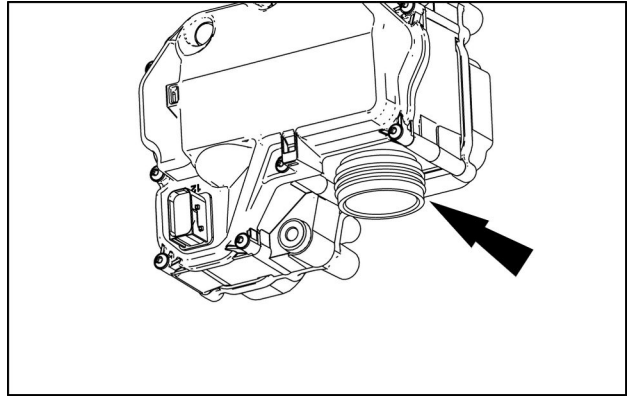
RAIL15TLB0039AA 1

9. Clean the area around the hydraulic oil tank breather/filler cap (2), and then loosen and remove the breather/filler cap.



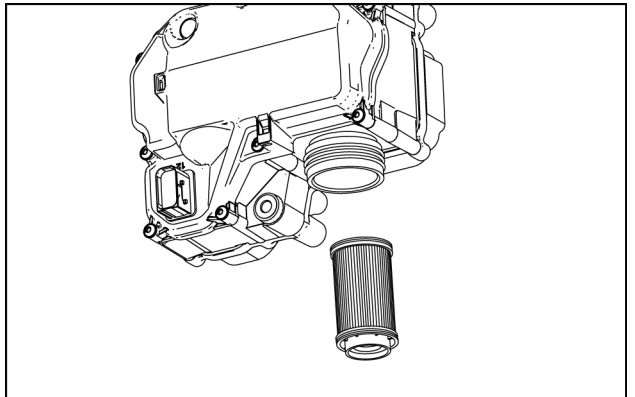
RAIL15TLB0083AA 2

12. Clean the supply module filter housing and threads with distilled water.



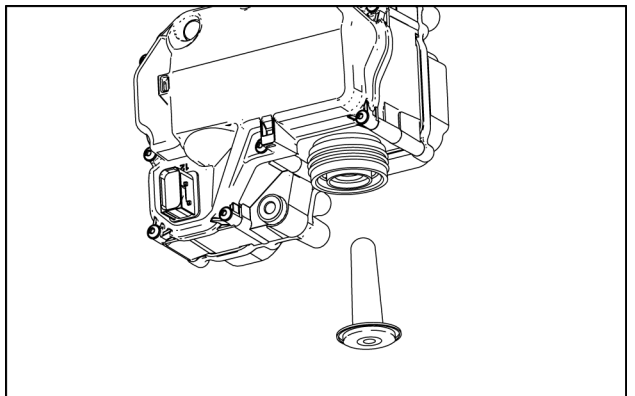
RAIL13GEN0031AA 13

13. Oil the O-rings on the new filter element. Insert the filter element fully into the supply module.



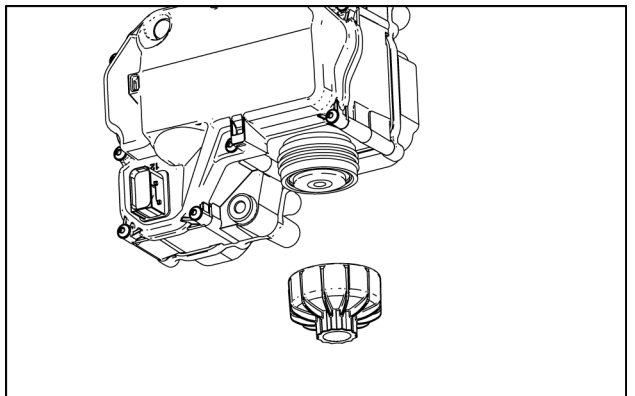
RAIL13GEN0032AA 14

14. Install the new equalizing element.



RAIL13GEN0027AA 15

15. Install the filter cover. Torque to **15 – 25 N·m (11 – 18 lb ft)**



RAIL13GEN0026AA 16

Fuel system bleeding

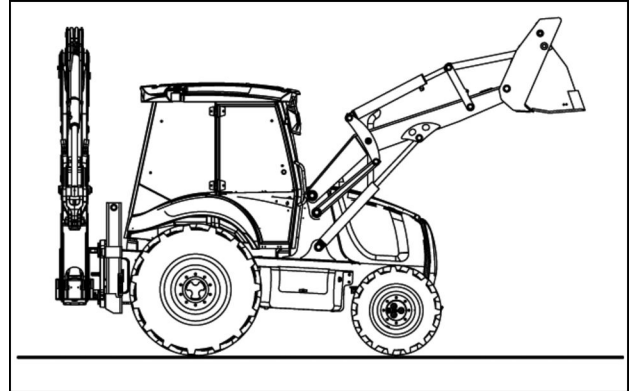
⚠ WARNING

Pressurized system!

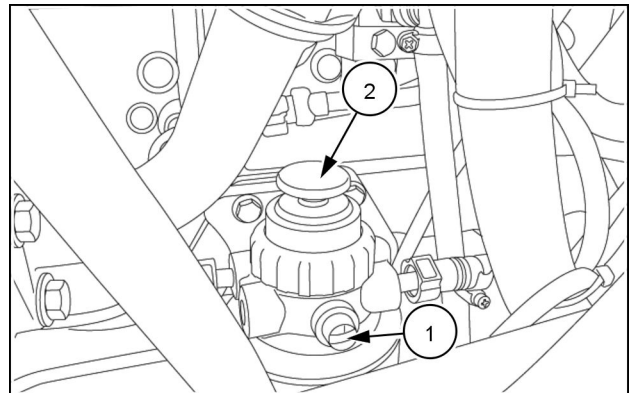
Only use the bleed screw to bleed air from the fuel system. **DO NOT** loosen the fuel or injector lines to bleed air. Injury or damage can occur. Fuel or injector lines are under very high pressure. Failure to comply could result in death or serious injury.

W0285A

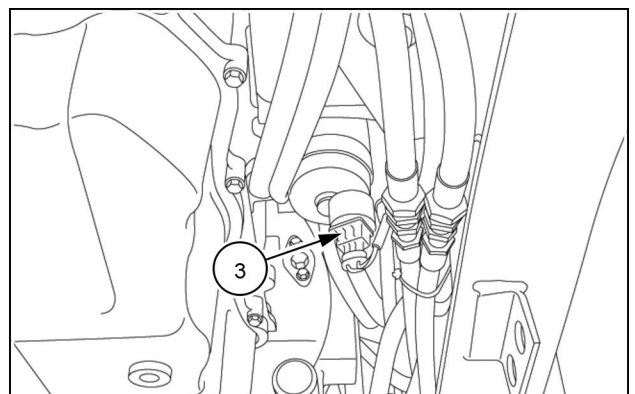
1. From the bottom of the filter, remove the connector (3).
2. Place a container under the pre-filter.
3. Open bleed screw (1) on pre-filter only and activate hand primer (2) until fuel flows freely from the bleed screw.
4. This generally takes 35-45 pumps to fill the fuel lines and the pre-filter.
5. This can be done in about **30 s**.
6. Tighten bleed screw.
7. Dry with cloth the pre-filter.
8. Connect the electric connector under the pre-filter.
9. Start the engine. Engine should start within **5 s**.
10. Lower and lock the engine guard.
11. Remove the safety support strut and lower the loader attachment.



LEEN11T0354AA 1



LEEN11T0355AA 2



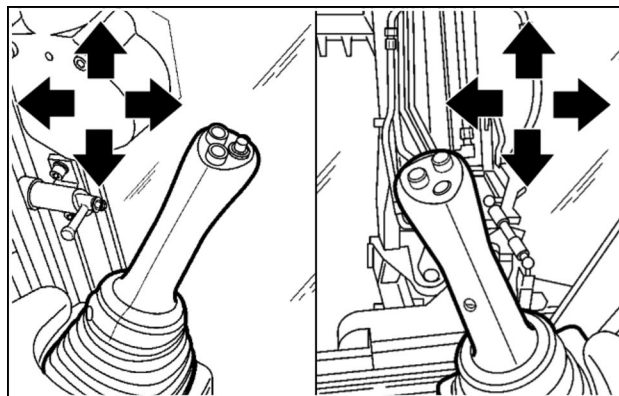
LEEN11T0370AA 3

Hydraulic system - Release pressure

1. Park the machine on firm level ground.
2. Put all transmission controls in the Neutral position.
3. Engage the parking brake.
4. Lower the bucket to the ground but do not apply down pressure; or raise the loader arm and engage the loader arm safety support.
5. Rotate the operator seat into the backhoe operation position.
6. Place the backhoe in the stowed position with swing lock pin in the lock position. If applicable, insert the Extendahoe lock pin. You may choose to rest the backhoe attachment on the ground.
7. Shut off the engine.
8. Turn the key switch to the ON position but DO NOT start the engine.
9. Press the emblem end of the backhoe and stabilizer control switch to activate all backhoe controls.

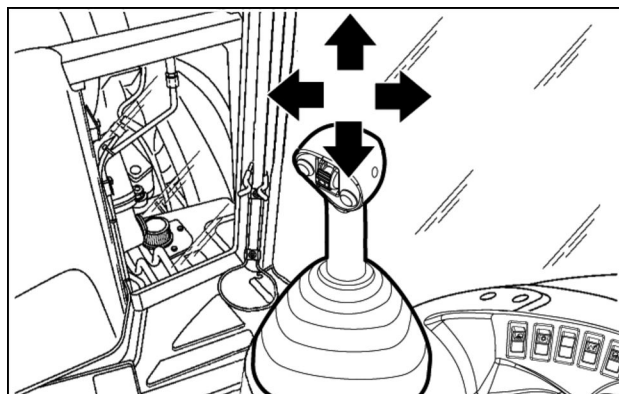
NOTE: When turning the backhoe and stabilizer control switch to the ON position, wait approximately half a second before activating the stabilizers, **Extendahoe®** (if equipped) or bi-directional auxiliary hydraulics (if equipped). If an operator attempts to operate the functions before the delay passes, the functions will not operate. Cycle the power switch and wait for the delay to pass.

10. If equipped with combo auxiliaries, enable the bidirectional switch on the right-hand side panel.
11. Cycle the bi-directional proportional control buttons on the left-hand pilot control joystick.
12. Move each pilot backhoe control joystick in one complete circle, stopping in the neutral (center) position.
13. Deactivate the backhoe and stabilizer control switch.



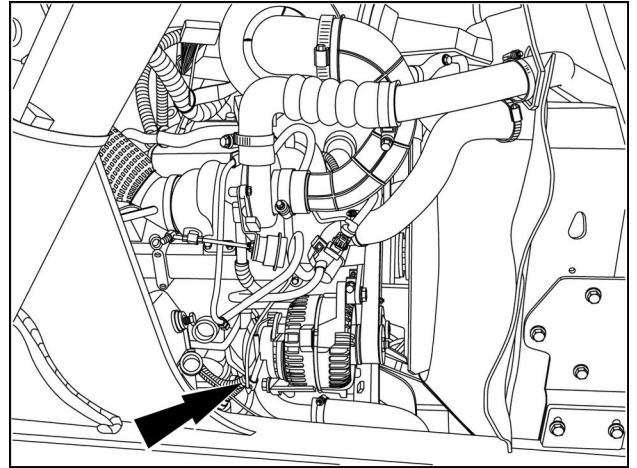
LEEN12T0487AA 1

14. Rotate the operator seat into the driving position.
15. Rotate the loader control joystick in one complete circle, stopping in the neutral (center) position.
16. If applicable, operate the bucket control switch.
17. Turn the key switch to the Off position.



LEEN12T0485AA 2

If the machine is equipped with Air-Conditioning (A/C). On the right-hand side of the engine near the alternator is a **40 A** in-line harness blower fuse (F953/X-953).

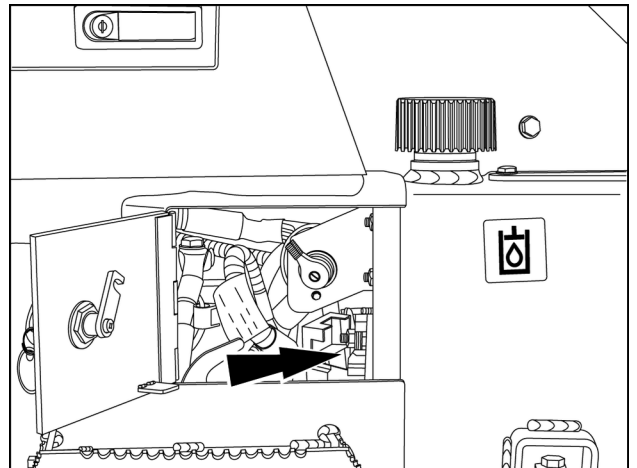


RAIL16TLB0369BA 7

Main power fuse module

Open the battery compartment door and locate the **80 A** main power fuse.

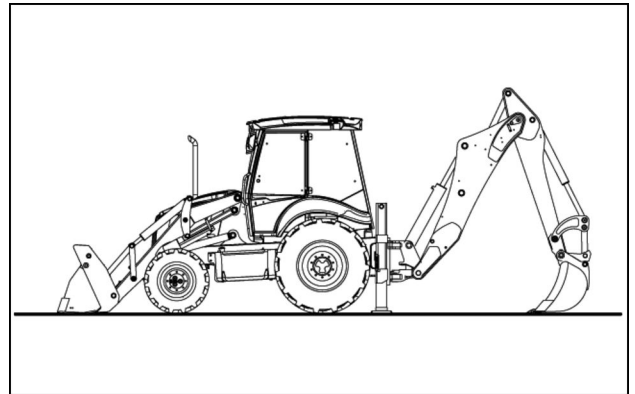
NOTE: There is a in-line **5 A +30 unswitched fuse (F002)** in the **SiteWatch™** (Telematics) harness near the positive battery terminal.



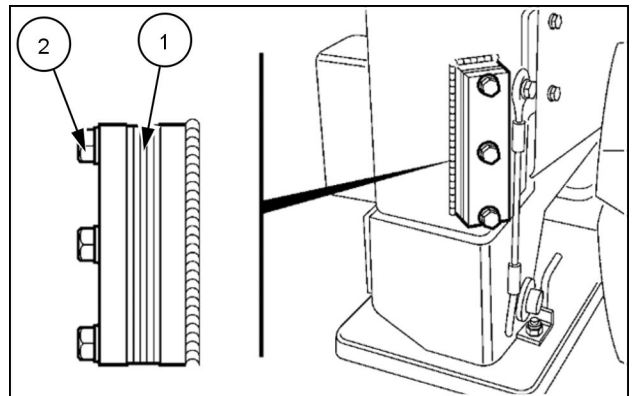
RAIL15TLB0014AA 8

Stabilizers (side shift) - Clearance check and adjustment

1. Move the machine to a level and firm ground.
2. Lower the loader attachment to the ground.
3. Place the direction-of-travel lever and gearshift lever in neutral position.
4. Immobilize the machine with the parking brake.
5. Raise the stabilizers.
6. Lift the machine on one side first and then on the other side by means of the backhoe attachment.
7. Lower the stabilizers, one by one, by **550 mm (21.6 in)**.
8. Check that the clearance between the stabilizer and the frame is within **2.50 – 3.50 mm (0.10 – 0.14 in)**.
9. If clearance exceeds **3.5 mm (0.14 in)**, it is necessary to remove the screws **(2)** and remove one shim **(1)**.
10. Retighten the screws **(2)** to a tightening torque of **140 N·m (103.25 lb ft)**.



LEEN12T0499AA_1 1



LEEN12T0500AA 2

Alternator - Troubleshooting

Problem	Possible Cause	Correction
Not recharged.	Recharge circuit interrupted (warning lamp, fuse, connector, etc.).	Check the connections of the recharge circuit, clean and tighten the alternator and battery terminals.
	Voltage regulator inefficient.	Replace alternator.
	Rotor winder interrupted.	Replace alternator.
	Worn brushes.	Replace alternator.
Recharge insufficient.	Slackened fan belt.	Supply the correct tension.
	Voltage regulator faulty.	Replace alternator.
	Excessive wear of rotor rings or brushes.	Replace alternator.
	Short-circuited diodes.	Replace alternator.
	Short-circuited stator winders or rotor winder.	Replace alternator.
Excessive recharge.	Loose circuit connections.	Check the connections of battery terminals, starter motor terminals and alternator.
	Voltage regulator inefficient.	Replace alternator.
	Ground connection faulty.	Check connections for leaks.

Backhoe attachment - Troubleshooting

Problem	Possible Cause	Correction
The lifting system is inoperative, is too slow, loses power or does not hold.	The lifting circuit relief valve is stuck open, set to a too low value or there is a leak in the seat.	Test the pressure of the lifting circuit relief valve.
	Valve spool leaking.	Inspect the spool and check it for wear or scratches.
	Cylinder seals leaking or cylinder barrel damaged.	Inspect and reseal the cylinder.
The digging control fails to operate, is slow or loses power.	The digging circuit relief valve (cylinder end) is stuck open, set to a too low value or there is a leak in the seat.	Test the pressure of the digging circuit relief valve.
	Valve spool leaking.	Inspect the spool and check it for wear or scratches.
	Cylinder seals leaking or cylinder barrel damaged.	Inspect and reseal the cylinder.
The bucket fails to operate, is slow or loses power.	The bucket relief valve (rod end) is stuck open, set to a too low value or there is a leak in the seat.	Test the pressure of the bucket relief valve.
	Valve spool leaking.	Inspect the spool and check it for wear or scratches.
	Cylinder seals leaking or cylinder barrel damaged.	Inspect and reseal the cylinder.
The telescopic dipper fails to operate, is slow or loses power.	The telescopic dipper circuit relief valve (cylinder end) is stuck open, set to a too low value or there is a leak in the seat.	Test the pressure of the telescopic dipper relief valve.
	Valve spool leaking.	Inspect the spool and check it for wear or scratches.
	Cylinder seals leaking or cylinder barrel damaged.	Inspect and reseal the cylinder.
Stabilizer pads leaking.	Stabilizer safety valve leaking.	Inspect and overhaul the stabilizer safety valve.
	Cylinder seals leaking or cylinder barrel damaged.	Inspect and reseal the cylinder.

Air Conditioning (A/C) refrigerant

Standard and SCWP specification (factory fill):

HFC R134A

Capacity:

1.2 kg (2.64 lb)

Noise and vibration levels

Noise level

Certified by the Manufacturer.

In compliance with European Directive **2000/14/EC** - Stage II .

Internal noise level (LpA)	77 dB
External noise level (LwA) (580T / 580ST)	102 dB
External noise level (LwA) (590ST / 695ST))	103 dB

Vibration levels inside the cab

Upper limbs	level lower than 2.5 m/s² (8.20 ft/s²)
Abdomen	level lower than 0.5 m/s² (1.64 ft/s²)

9 - SPECIFICATIONS

	Overlapping cylinder		In-line cylinder			
	Standard dipper / Extendahoe® retracted	Extendahoe® extended	Standard dipper / Extendahoe® retracted		Extendahoe® extended	
Mechanical Coupler/ No Coupler*	5695 mm (224.2 in)	6699 mm (263.7 in)	5612 mm (220.9 in)		6286 mm (247.5 in)	
Universal Coupler	5754 mm (226.5 in)	6758 mm (266.1 in)	5744 mm (226.1 in)		6848 mm (269.6 in)	
E Digging Depth (2.4 m (94.5 in) level bottom)						
Mechanical Coupler/ No Coupler*	4067 mm (160.1 in)	6699 mm (263.7 in)	3988 mm (157.0 in)		5298 mm (208.6 in)	
Universal Coupler	4134 mm (162.8 in)	6758 mm (266.1 in)	5802.0 mm (228.4 in)		5420 mm (213.4 in)	
F Digging Depth (0.6 m (23.6 in) level bottom)						
Mechanical Coupler/ No Coupler*	4416 mm (173.9 in)	5483 mm (215.9 in)	4344 mm (171.0 in)		5578 mm (219.6 in)	
Universal Coupler	4477 mm (176.3 in)	5544 mm (218.3 in)	4488 mm (176.7 in)		5689 mm (224.0 in)	
G Maximum Digging Depth						
Mechanical Coupler/ No Coupler*	4448 mm (175.1 in)	5514 mm (217.1 in)	4385 mm (172.6 in)		5627 mm (221.5 in)	
Universal Coupler	4507 mm (177.4 in)	5574 mm (219.4 in)	4517 mm (177.8 in)		5719 mm (225.2 in)	
H Stabilizer Spread (transport)	2280 mm (89.8 in)	2280 mm (89.8 in)	2280 mm (89.8 in)		2280 mm (89.8 in)	
I Stabilizer Spread (working)	2790 mm (109.8 in)	2790 mm (109.8 in)	2790 mm (109.8 in)		2790 mm (109.8 in)	
J Stabilizer leveling angle	14°	14°	14°		14°	
K Bucket Rotation			Max Amp Hole	Max Force Hole	Max Amp Hole	Max Force Hole
Mechanical Coupler/ No Coupler*	198°	198°	203°	159°	203°	159°
Hydraulic Coupler	195°	195°	N/A	N/A	N/A	N/A
Universal Coupler	188°	188°	188°	150°	188°	150°
L Loading reach (at max. height) bucket closed						
Mechanical Coupler/ No Coupler*	881 mm (34.7 in)	1432 mm (56.4 in)	1707 mm (67.2 in)		2638 mm (103.9 in)	
Universal Coupler	1100 mm (43.3 in)	1657 mm (65.2 in)	1742 mm (68.6 in)		2667 mm (105.0 in)	
Swing arc	180°	180°	180°		180°	
Max Digging Force - Bucket Cylinder (SAE 3050 psi)						
Mechanical Coupler/ No Coupler*			Max Amp Hole	Max Force Hole	Max Amp Hole	Max Force Hole
Heavy duty bucket	5326 daN (11973 lbf)	5326 daN (11973 lbf)	4745 daN (10667 lbf)	5971 daN (13423 lbf)	4745 daN (10667 lbf)	5971 daN (13423 lbf)
Curved edge bucket	5121 daN (11512 lbf)	5121 daN (11512 lbf)	N/A	N/A	N/A	N/A
Universal Coupler			Max Amp Hole	Max Force Hole	Max Amp Hole	Max Force Hole
Heavy duty bucket	5326 daN (11973 lbf)	5326 daN (11973 lbf)	4506 daN (10130 lbf)	5516 daN (12400 lbf)	4506 daN (10130 lbf)	5516 daN (12400 lbf)
Curved edge bucket	4963 daN (11157 lbf)	4963 daN (11157 lbf)	N/A	N/A	N/A	N/A
Max Digging Force - Dipper Cylinder (SAE 3050 psi)						
Mechanical Coupler/ No Coupler*			Max Amp Hole	Max Force Hole	Max Amp Hole	Max Force Hole

Lifting capacity - 580ST and 590ST with 15 ft overlapping cylinder

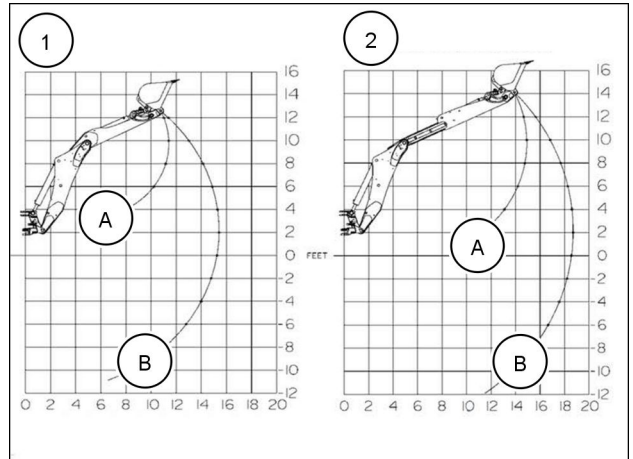
Lifting capacity in normal operating mode - SAE rated

The following table reports the lifting capacities of the dipper "A" and the boom "B".

NOTE: The capacities indicated may slightly vary from one machine to another, according to the accessories mounted, the pressure settings and the market requirements.

Lifting capacities are given in kg (lb) for a standard dipper and an **Extendahoe®** dipper.

- (1) represents standard dipper or a retracted **Extendahoe®** dipper
- (2) represents an extended **Extendahoe®** dipper



RAIL16TLB1349BA 3

580ST and 590ST with 15 ft overlapping cylinder boom

Standard Dipper (1)		Extendahoe® dipper (retracted) (1)		Extendahoe® dipper (extended) (2)		Height/depth
Dipper A	Boom B	Dipper A	Boom B	Dipper A	Boom B	
					1197 kg (2639 lb)	+4.9 m (16 ft)
	1918 kg (4228 lb)		1803 kg (3975 lb)	1135 kg (2502 lb)	1210 kg (2668 lb)	+4.3 m (14 ft)
2434 kg (5366 lb)	1883 kg (4151 lb)	2324 kg (5124 lb)	1764 kg (3889 lb)	1377 kg (3036 lb)	1199 kg (2643 lb)	+3.7 m (12 ft)
2818 kg (6213 lb)	1794 kg (3955 lb)	2708 kg (5970 lb)	1673 kg (3688 lb)	1531 kg (3375 lb)	1173 kg (2586 lb)	+3.0 m (10 ft)
3128 kg (6896 lb)	1709 kg (3768 lb)	3017 kg (6651 lb)	1586 kg (3497 lb)	1663 kg (3666 lb)	1138 kg (2509 lb)	+2.4 m (8 ft)
3513 kg (7745 lb)	1630 kg (3594 lb)	3399 kg (7494 lb)	1505 kg (3318 lb)	1801 kg (3971 lb)	1098 kg (2421 lb)	+1.8 m (6 ft)
4735 kg (10439 lb)	1557 kg (3433 lb)	4611 kg (10166 lb)	1431 kg (3155 lb)	1982 kg (4370 lb)	1059 kg (2335 lb)	+1.2 m (4 ft)
	1490 kg (3285 lb)		1363 kg (3005 lb)		1024 kg (2258 lb)	+0.6 m (2 ft)
	1428 kg (3148 lb)		1300 kg (2866 lb)		999 kg (2202 lb)	0 (ground)
	1372 kg (3025 lb)		1241 kg (2736 lb)		987 kg (2176 lb)	-0.6 m (-2 ft)
	1319 kg (2908 lb)		1187 kg (2617 lb)		995 kg (2194 lb)	-1.2 m (-4 ft)
	1271 kg (2802 lb)		1137 kg (2507 lb)		1037 kg (2286 lb)	-1.8 m (-6 ft)
	1227 kg (2705 lb)		1091 kg (2405 lb)		1078 kg (2377 lb)	-2.4 m (-8 ft)
	1190 kg (2624 lb)		1048 kg (2310 lb)		1146 kg (2526 lb)	-3.0 m (-10 ft)
	1200 kg (2646 lb)		1043 kg (2299 lb)		1245 kg (2745 lb)	-3.7 m (-12 ft)

10 - ACCESSORIES

Mechanical backhoe bucket quick coupler (In-line cylinder boom models only)

⚠ WARNING

Equipment failure could cause accident or injury!
Use only authorized auxiliary hydraulic attachments. Always read and understand the manual or instructions supplied by the manufacturer to avoid injury or damage. Understand the operation and safety instructions before you attach, remove, or operate the attachment.
Failure to comply could result in death or serious injury.

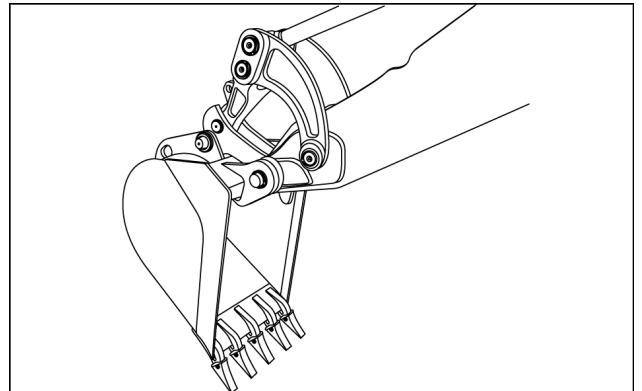
W0231A

Before you change a backhoe bucket or other attachment:

1. Park the machine on a level surface.
2. Lower the stabilizers to the ground.
3. Level the machine.
4. Make sure that all unauthorized workers or bystanders are away from the machine.

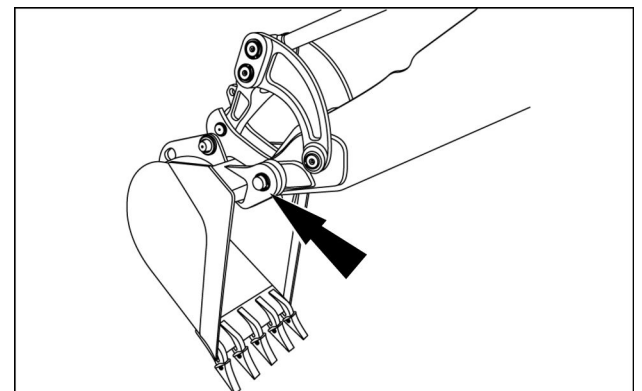
Mechanical coupler

1. Make sure that the bucket has a mechanical coupler pin.
2. Rotate the bucket out, leave the bucket off the ground.



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3. Remove the snap ring, the steel washer, and the bucket pin.



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