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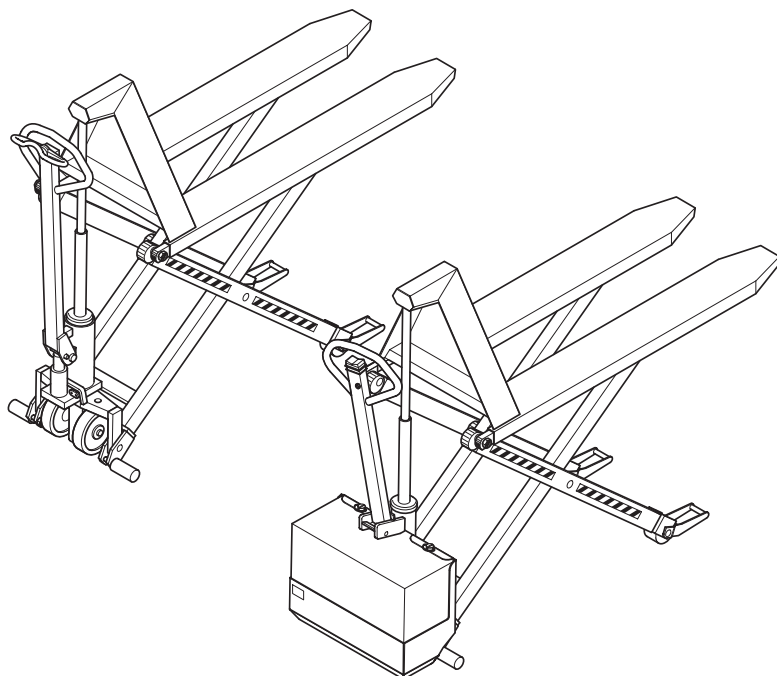
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AMX 110 AMX 110p	

Zusätzliche Angaben / Additional information / Informations supplémentaires / Aanvullende gegevens / Informaciones adicionales / Dados complementares / Informazioni aggiuntive / Yderligere informationer / Videre data / Tilläggsuppgifter / Lisätietoja / Ostastní údaje / Kiegészítő adatok / dodatkowe dane / Συμπληρωματικές οδηγίες/Ek Bilgiler/ Dodatne informacije / Dodatčne údaje / Дополнительные сведения / Lisaandmed / Citi dati / Papildoma informacija

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Datum / Date / Data/ Fecha/ datum/ Dato/ päiväys/ Kuupäev/ Datums/ Дата/ Dátum/ dátum/ tarih/ Ημερομηνία

D EG-KONFORMITÄTSERKLÄRUNG

Die Unterzeichner bescheinigen hiermit, dass das im Einzelnen bezeichnete kraftbetrieбende Flurförderzeug den Europäischen Richtlinien 2006/42/EG (Maschinenrichtlinie) einschließlich deren Änderungen sowie dem entsprechenden Rechtserlaß zur Umsetzung der Richtlinien in nationales Recht entspricht. Die Unterzeichner sind jeweils einzeln bevollmächtigt, die technischen Unterlagen zusammenzustellen.

GB EU DECLARATION OF CONFORMITY

The undersigned hereby declare that the powered industrial truck described below in detail complies with the European Directives 2006/42/EC (Machinery Directive) including amendments as well as the legislative decree to incorporate the directives in national law. The signatories are in each case individually authorized to compile the technical documents.

F DECLARATION DE CONFORMITE CE

Les signataires certifient par la présente que les chariots à moteur désignés individuellement satisfont aux directives européennes 2006/42/CE (directive machine), y compris leurs modifications ainsi que les décrets légaux concernant la mise en œuvre des directives dans le droit national. Les signataires sont respectivement et individuellement autorisés à regrouper les documents techniques.

NL EG-KONFORMITEITSVERKLARING

De ondertekenaars verklaren hiermee, dat de hieronder genoemde energiegedreven interne transportmiddelen voldoen aan de Europese richtlijnen 2006/42/EG (Machinerichtlijn), inclusief de wijzigingen en wetgeving voor de omzetting van de richtlijnen in nationaal recht. Ondergetekenden zijn ieder individueel gemachtigd het technisch dossier samen te stellen.

E DECLARACIÓN DE CONFORMIDAD CE

Los signatarios certifican por medio de la presente que la carretilla industrial motorizada descrita en esta documentación cumple con la Directiva Europea 2006/42/CE (Directiva de máquinas), incluyendo sus respectivas modificaciones, así como con los Reales Decretos de transposición de la directiva al derecho nacional. Cada signatario dispone de una autorización individual que le permite compilar la documentación técnica.

P DECLARAÇÃO DE CONFORMIDADE CE

Os signatários vêm por este meio certificar que os veículos industriais motorizados descritos em pormenor cumprem as directivas europeias 2006/42/CE (directiva relativa a máquinas) incluindo as suas alterações e o respectivo documento legal com vista ao cumprimento das directivas no enquadramento legal nacional. Os signatários estão individualmente autorizados a compilar os documentos técnicos.

I DICHIARAZIONE DI CONFORMITÀ CE

Con la presente i firmatari attestano che il veicolo a motore per movimentazione interna è conforme alla direttiva europea 2006/42/CE (Direttiva Machine), comprese le relative modifiche, nonché al documento legale per la trasposizione di tali direttive nel diritto nazionale. I sottoscritti sono singolarmente autorizzati alla creazione della documentazione tecnica.

DK EF-OVERENSSTEMMELSESESKLÆRING

Undertegnede erklærer hermed, at følgende kraftdrevne truck overholder de væsentligste krav i Rådets direktiv 2006/42/EF (Maskindirektivet) om indbyrdes tilnærmelse af medlemsstaternes lovgivning. Alle undertegnede har fuldmagt til selvstændigt at sammensætte det tekniske materiale.

(RO) DECLARAȚIE DE CONFORMITATE CE

Subsemnatul/a adevărește prin prezenta că utilajul de transport uzinal cu motor, descris individual, corespunde directivelor europene 2006/42/CE (Directiva privind mașinile) inclusiv modificărilor lor, precum și actului legislativ corespunzător prentu transpunerea directivelor în dreptul național. Semnatarii sunt împuterniciți individual să redacteze documentația tehnică.

(N) EU-KONFORMITETSERKLÆRING

Undertegnede bekræfter hermed at de enkelte betegnede gaffeltruckene med kraftdrift overensstemmer med de europæiske retningslinjerne 2006/42/EC (maskinretningslinje) med endringer, samt den tilsvarende rettsforordning til implementering i nasjonal lovgivning. De undertegnede er hver for seg bemyndiget til å sammenstille de tekniske dokumentene.

(S) EG-KONFORMITETSFÖRKLARING

Undertecknad intygar härmed att den specificerade trucken är tillverkad i överensstämmelse med de Europeiska direktiven 2006/42/EG (Maskindirektivet), inklusive ändringarna i dessa och motsvarande harmoniseringar i nationell rätt. Undertecknade är var och en för sig berättigad att sammanställa de tekniska dokumenten.

(FIN) EU-YHDENMUKAISUUSSELOSTUS

Allekirjoittavat todistavat täten, että yksilöity moottoriajoneuvo vastaa eurooppalaista direktiiviä 2006/42/EY (konedirektiivi) kaikkine muutoksineen sekä säädöksiä, jolla direktiivi on saatettu osaksi kansallista lainsäädäntöä. Allekirjoittajilla on kullakin erikseen valtuudet laatia teknisiiä dokumentteja.

(CZ) EG - PROHLÁŠENÍ O SHODĚ

Níže podepsaní tímto potvrzují, že podrobný popis vozidla s motorovým pohonem odpovídá Evropským směrnicím 2006/42/EC (směrnice pro strojní zařízení) včetně jejich pozdějších úprav, jakož i příslušným právním výnosům pro uplatnění příslušné směrnice v rámci národního práva. Každý z podepsaných je jednotlivě způsobilý k vytvoření technických podkladů.

(H) EU KONFORMITÁSI NYILATKOZAT

Alulírottak ezennel igazolják, hogy a részletesen leírt, gépi meghajtású ónjáró targonca megfelel a 2006/42/EK (Gép Irányelv) Európai Irányelvének, beleértve azok módosításait, valamint az irányelvnek nemzeti jogba történő átültetésére irányuló, megfelelő jogi rendelkezést. Továbbá az alulírottak mindegyike rendelkezik meghatalmazással arra nézve, hogy összeállíthassa a műszaki dokumentációt.

(PL) DEKLARACJA ZGODNOŚCI Z NORMAMI UE

Sygnatariusze potwierdzają niniejszym, że wyszczególniony wózek jezdniowy z napędem odpowiada dyrektywie europejskiej 2006/42/WE (Dyrektywa maszynowa) wraz ze zmianami oraz rozporządzeniem prawnym dotyczącym wdrożenia dyrektywy do prawa krajowego. Każdy z sygnatariuszy jest upoważniony do samodzielnego zestawienia dokumentacji technicznej.

(GR) ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ ΕΟΚ

Οι υπογράφοντες βεβαιώνουν διά της παρούσης ότι ο λεπτομερώς περιγραφόμενος μηχανοκίνητος φορέας διαδρόμου συμμορφώνεται προς την Κοινοτική Οδηγία 2006/42/ΕΚ («Μηχανές»), συμπεριλαμβανομένων των τροποποιήσεων, καθώς και των νομοθετικών διαταγμάτων για τη μεταφορά Οδηγίας στην εθνική νομοθεσία. Οι υπογράφοντες είναι σε κάθε περίπτωση εξουσιοδοτημένοι ατομικά να καταρτίσουν τα τεχνικά έγγραφα.

(TR) AB Uygunluk Açıklaması

İmza sahipleri bu yazı ile, belirtilen kuvvet tahrikli istif aracının Avrupa Yönetmeliklerine 2006/42/EG (Makine Yönetmeliği), bunun getirdiği değişikliklere ve yasal yönetmeliklerin ulusal yasaya göre değişmesi için olan yasal genelgeye uygun olduğunu onaylamaktadırlar. Her bir imza sahibi teknik belgeleri oluşturma konusunda yetkilidir.

(SLO) EU IZJAVA O SKLADNOSTI

Podpisani potrjujemo, da podrobno opisano gnano vozilo za talni transport ustreza Evropski direktivi 2006/42/ES (Direktiva o strojih), vključno z njenimi spremembami in ustrežno pravno uredbo za izvajanje direktiv v nacionalno zakonodajo. Podpisniki so posamično pooblašeni za sestavljanje tehnične dokumentacije.

(SK) vyhlásenie o zhode

Podpísané osoby týmto potvrdzujú, že podrobne popísaný mechanický poháňaný pozemný dopravník zodpovedá európskym smerniciam 2006/42/ES (smernica o strojích) vrátane ich zmien, ako aj príslušnému právnemu výnosu na uplatnenie smerníc v národnom práve. Podpísané osoby sú vždy jednotlivito spôsobilé na zostavovanie technickej dokumentácie.

(RUS) Декларация соответствия стандартам ЕС

Настоящим лица, подписавшие документ, удостоверяют, что напольное подъемно-транспортное средство с силовым приводом в указанной спецификации соответствует Европейским директивам 2006/42/EG (Директива по машинам), включая изменения в них, а также соответствующему правовому документу по трансформации директив в национальное право. Каждое по отдельности лицо, подписавшее документ, имеет полномочия для составления технической документации.

(EST) EL vastavusavaldus

Nастоящим лица, подписавшие документ, удостоверяют, что напольное подъемно-транспортное средство с силовым приводом в указанной спецификации соответствует Европейским директивам 2006/42/EG (Директива по машинам), включая изменения в них, а также соответствующему правовому документу по трансформации директив в национальное право. Каждое по отдельности лицо, подписавшее документ, имеет полномочия для составления технической документации.

(LV) ES atbilstības deklarācija

Ar šo zemāk parakstījušās personas apliecina, ka detalizēti aprakstītais mehāniskās piedziņas iekārvējs atbilst Eiropas Savienības direktīvām 2006/42/EK (Mašīnu direktīva), ieskaitot to izmaiņas, kā arī atbilstošo tiesisko rīkojumu direktīvu pielāgošanai nacionālajai likumdošanai. Parakstījušās personas ir atsevišķi pilnvarotas sastādīt tehniskās dokumentācijas dokumentācijas.

(LT) ES atitikimo deklaracija

Žemiau pasirašę asmenys patvirtina, kad atskirai aprašytas elektra varomas pramoninės vežimėlis atitinka Europos Sąjungos direktyvą 2006/42/EB (Mašinų direktyva), įskaitant ir jos pakeitimus bei tai atitinkantį teisės aktą dėl direktyvų įgyvendinimo nacionaliniuose teisės aktuose. Pasirašę asmenys yra atskirai atitinkamai įgalioti sudaryti techninius dokumentus.

(BG) ЕВРОПЕЙСКА ОБЩНОСТ - ДЕКЛАРАЦИЯ ЗА СЪОТВЕТСТВИЕ

С настоящото подписаните удостоверяват, че специфицираното тук моторно подедно-транспортно средство отговаря на Европейските директиви 2006/42/EO (Директива за машините), включително на техните изменения, както и на съответното постановление за прилагане на директивите в националното право. Подписаните са съответно упълномощени поотделно да съставят техническата документация.



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D EG-KONFORMITÄTSERKLÄRUNG

Die Unterzeichner bescheinigen hiermit, dass das im Einzelnen bezeichnete kraftbetrieende Flurförderzeug den Europäischen Richtlinien 2006/42/EG (Maschinenrichtlinie) und 2004/108/EWG (Elektromagnetische Verträglichkeit - EMV) einschließlich deren Änderungen sowie dem entsprechenden Rechtsrilaß zur Umsetzung der Richtlinien in nationales Recht entspricht. Die Unterzeichner sind jeweils einzeln bevollmächtigt, die technischen Unterlagen zusammenzustellen.

GB EU DECLARATION OF CONFORMITY

The signatories hereby certify that the specified power-operated industrial truck conforms to the EU Directive 2006/42/EC (Machine Directive) and 2004/108/EEC (Electro-Magnetic Compatibility, EMC) including their amendments as translated into national legislation of the member countries. The signatories are in each case individually authorized to compile the technical documents.

F DECLARATION DE CONFORMITE CE

Par la présente déclaration, les soussignés certifient que le chariot de manutention à moteur spécifié ci-dessus est conforme à la loi et aux directives européennes 2006/42/CE (directive sur les machines) et 2004/108/CEE (compatibilité électromagnétique - CEM), y compris aux modifications qui y sont apportées et à l'arrêté autorisant sa transposition en droit national. Chaque signataire est habilité à établir individuellement la documentation technique.

NL EG-KONFORMITEITSVERKLARING

Ondergetekenden verklaren hierbij dat - volgens de nationale wetgeving van de Lidstaten - de hierboven vermelde vorkhefftruck beantwoordt aan de bepalingen qua veiligheid bij machines (EG richtlijn 2006/42/EC) en electro-magnetische compatibiliteit (EG richtlijn 2004/108/EEC). Ondergetekenden zijn ieder individueel gemachtigd het technisch dossier samen te stellen.

E DECLARACIÓN DE CONFORMIDAD CE

Los signatarios certifican por medio de la presente que el transportador a la altura del suelo automotor descrito en esta documentación cumple con las Normas Europeas 2006/42/CE (Normativa para maquinarias) y 2004/108/CEE (Compatibilidad electromagnética), incluyendo sus respectivas modificaciones, así como con el decreto-ley para la adaptación de las normas al derecho nacional. Cada signatario dispone de una autorización individual que le permite compilar la documentación técnica.

P DECLARAÇÃO DE CONFORMIDADE CE

Pela presente, os signatários certificam que o transportador industrial especificado está conforme às Directivas Europeias 2006/42/CE („Máquinas“) e 2004/108/CEE („Inocuidade Electromagnética - IEM“), incluindo as alterações das mesmas e o respectivo decreto-lei para a transposição em lei nacional. Cada um dos signatários está autorizado a proceder à elaboração da documentação técnica.

I DICHIARAZIONE DI CONFORMITÀ CE

I sottoscritti dichiarano che il veicolo per trasporti interni a motore specificato soddisfa le Direttive Europee 2006/42/EC (Direttiva Macchine) e 2004/108/EC (Compatibilità elettromagnetica - EMV) comprese le relative modifiche, come pure il rispettivo decreto legislativo per la conversione delle direttive in diritto nazionale. I sottoscritti sono singolarmente autorizzati alla creazione della documentazione tecnica.

DK EF-OVERENSSTEMMELSESEKLERING

Undertegnede atterer hermed, at det specificerede transportkøretøj stemmer overens med de Europæiske Direktiver 2006/42/EU (maskindirektiv) og 2004/108/EØF (elektromagnetisk kompatibilitet - EMC) samt med den modsvarende lovgivning til implementering af direktiver i den nationale lovgivning. De undertegnede er hver for sig beføjret til at sammenstille de tekniske dokumenter.

(RO) DECLARAȚIE DE CONFORMITATE CE

Subsemnatii adevăresc prin prezenta că vehiculul de transport industrial cu motor descris individual corespunde directivelor europene 2006/42/CE (Directiva privind mașinile) și 2004/108/CEE (Compatibilitatea electromagnetice - CEM) inclusiv modificările lor precum și actului legislativ corespunzător pentru transpunerea directivelor în drept național. Subsemnatii sunt fiecare în parte împuterniciți să întocmească documentația tehnică.

(N) EU-KONFORMITETSERKLÆRING

Undertegnede bekræfter hermed at de enkelte betegnede gaffeltruckene med kraftdrift tilsvare de europeiske retningslinjerne 2006/42/EC (maskinretningslinje) og 2004/108/EEC (elektromagnetisk fordraglighed - EMV) inklusiv disses endringer og den tilsvarende rettsforordning til omsetning av nasjonal rett. Hver undertegnede er fullmektig til å sette sammen de tekniske dokumentene.

(S) EG-KONFORMITETSFÖRKLARING

Undertecknarna intygar härmed att det i detalj betecknade markuppföringssystemet uppfyller de Europeiska direktiven 2006/42/EG (Maskindirektiv) och 2004/108/EEG (Elektromagnetisk tälighet - EMV), inklusive ändringarna i detta och den motsvarande rättsförordningen för att omsätta direktiven i nationell rätt. Undertecknarna har var för sig fullmakt att sammanställa den tekniska dokumentationen.

(FIN) EU-YHDENMUKAISUUSSELOSTUS

Allekirjoittaneet todistavat täten, että kukin erikseen mainittu omalla voimantähteellä varustettu tehdaskuljetusneuvo vastaa EU-direktiivien 2006/42/EC (koneenrakennusdirektiivi) ja 2004/108/EEC (sähkömagneettinen yhteensopivuus – EMC) määräyksiä sekä niiden muutoksia ja niiden kansalliseen lainsäädäntöön soveltamista koskevaa oikeussääntöä. Jokaisella allekirjoittaneista on oikeus itsenäisesti laatia asiaankuuluvia teknisiä asiakirjoja.

(CZ) EG - PROHLÁŠENÍ O SHODĚ

Níže podepsaný tímto potvrzuje, že podrobný popis vozidla s motorovým pohonem odpovídá Evropským směrnicím 2006/42/EC (směrnice pro stroje) a 2004/108/EEC (elektromagnetická interference - EMV) včetně jejich pozdějších úprav, jakož i příslušným právním výnosům pro uplatnění příslušné směrnice v rámci národního práva. Každý z podepsaných jsou jednotlivě způsobilí k vytvoření technických podkladů.

(H) EU KONFORMITÁSI NYILATKOZAT

Alulírottak ezennel igazolják, hogy a részletesen leírt gépi meghajtású önjáró targonca megfelel a 2006/42/EC (Gép-Írányelv) és a 2004/108/EEC (Elektromágneses összeférhetőségi - EMV) Európai Írányelveknek, beleértve azok módosításait, valamint az irányelvek nemzeti jogba történő átültetésére irányuló megfelelő jogi rendelkezéseket. Továbbá az alulírottak mindegyike rendelkezik meghatalmazással arra nézve, hogy összeállíthatja a műszaki dokumentációt.

(PL) DEKLARACJA ZGODNOŚCI Z NORMAMI UE

Niżej podpisani potwierdzają niniejszym, że opisany tutaj, napędzany mechanicznie podłogowy pojazd przemieszczający spełnia wymagania określone w dyrektywach Europejskich 2006/42/EC (Maszyny) i 2004/108/EEC (Nieszkodliwość elektromagnetyczna - EMC) wraz z ich późniejszymi zmianami oraz odpowiednimi rozporządzeniami mającymi na celu krajów członkowskich. Niżej podpisani są pojedynczo upoważnieni do zestawiania dokumentacji technicznej.

(GR) ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ ΕΟΚ

Οι υπογράφοντες βεβαιώνουν με την παρούσα υπογραφή τους, ότι το λεπτομερώς περιγραφόμενο μηχανοκίνητο ανυψωτικό όχημα διαδρόμων ανταποκρίνεται στην Κοινοτική Οδηγία 2006/42/ΕΚ (οδηγία περί μηχανών) καθώς και στην Κοινοτική Οδηγία 2004/108/ΕΟΚ (Οδηγία Ηλεκτρομαγνητικής Συμβατότητας), συμπεριλαμβανομένων των τροποποιήσεων και των κανονιστικών πράξεων μετατροπής των Οδηγιών σε νόμο του κράτους. Οι υπογράφοντες είναι εξουσιοδοτημένοι να καταρτίσουν τα τεχνικά έγγραφα.

(TR) AB Uygunluk Açıklaması

İmza sahibi şahıslar, ayrıntıları belirtilen motorlu taşıma aracının, 2006/42/EC (Makine Yönergesi) ve 2004/108/EEC (Elektromanyetik Uyumluluk – EMC) no'lu Avrupa Yönergelerine ve bunların değişiklik sonucu oluşan metinlerine ve yönergelerin millî hukuk hükümlerine dönüştürülmesine dair ilgili hukuk karamanmesine uygun olduğunu tasdik ederler. İmza sahibi şahıslar teknik dosyaları bir araya getirmek için müferriden vekil tayin edilmiş.

(SLO) EU IZJAVA O SKLADNOSTI

Podpisani s tem potrjujemo, da posamično označeno motorno hodniško transportno vozilo odgovarja Evropski direktivi 2006/42/EC (Direktiva o strojih) in 2004/108/EEC (Elektromagnetna skladnost - EMV) vključno z njihovimi spremembami ter ustrezno pravno uredbo o prevzemu smernic v nacionalno pravo. Podpisniki so vsakokrat posamezno pooblašeni za izdajanje tehnične dokumentacije.

(SK) vyhlásenie o zhode

Dolu podpísaní týmto potvrdzujeme, že podrobný popis vozidla s motorovým pohonom Zodpovedá Európskym smernicami 2006/42/EC (ernica pre stroje) a 2004/108/EWG (elektromagnetická tolerancia – EMV) vrátane jeho neskorších úprav, rovnako zodpovedá aj príslušným právnym nariadeniam na uplatnenie smerníc v rámci národného práva. Každý z podpísaných je jednotlivu splnomocnený na vytvorenie technických podkladov.

(RUS) Декларация соответствия стандартам ЕС

Настоящим лица, подписавшие документ, удостоверяют, что подъемно-транспортное средство с указанной спецификацией соответствует европейским стандартам 2006/42/EG (Транспортная директива) и 2004/108/EWG (Электromagnetная совместимость - EMC), включая изменения в них, а также соответствующим национальным стандартам и нормам. Каждое по отдельности лицо, подписавшее документ, имеет полномочия для составления технической документации.

(EST) EL vastavusavaldus

Allakirjutatud tõendavad käesolevaga, et üksikasjaliselt kirjeldatud mootorajamiga transportimiseseade vastab Euroopa direktiividele 2006/42/EÜ (Direktiiv masinate kohta) ja 2004/108/EWG (Elektromagnetiline sobivus - EMS) kaasa arvatud nende muudatused ja nendele vastavatele õigusmäärustele direktiivide muutmiseks siseriiklikuks õiguseks. Iga allakirjutatu üksikult on volitatud koostama tehnilisi dokumentatsiooni.

(LV) ES atbilstības deklarācija

Ar zemāk redzamajiem parakstiem tiek apliecināts, ka autoiekrāvējs atbilst Eiropas Savienības noteiktām 2006/42/EG (Mašīnu normatīvas) un 2004/108/EWG (Elektromagnētiskā atbilstība – EMV), ieskaitot to izmaiņas, kā arī atbilstošos tiesiskos rīkojumus normatīvu pielāgošanai nacionālajai likumdošanai. Parakstu īpašnieki ir atvēišķi pilnvaroti sastādīt tehniskās dokumentācijas.

(LT) ES atitikimo deklaracija

Zemiau pasiraše asmenys patvirtina, kad atskirai aprašytas varomas pramoninis vežimėlis atitinka Europos Sąjungos direktyvas 2006/42/EB (Mašinų direktyva) ir 2004/108/EEB (Elektromagnetinis suderinamumas – EMS) įskaitant jų pakeitimus, o taip pat ir atitinkamą teisės aktą dėl direktyvų įgyvendinimo nacionalinėje teisėje. Kiekvienas iš pasirašiusių asmenų turi teisę ruošti techninę dokumentaciją.

(BG) ЕВРОПЕЙСКА ОБЩНОСТ - ДЕКЛАРАЦИЯ ЗА СЪОТВЕТСТВИЕ

Подписаните удостоверяват с настоящето, че подробно описаното моторно наземно превозно средство отговаря на европейския норматив 2006/42/EG (норматив за машини) и на 2004/108/EG (електро-магнетична съвместимост), включително с техните промени, както и на съответния указ за прилагане на нормативите в националното право. Подписаните при това са упълномощени поотделно да съставят техническата документация.

Foreword

The present ORIGINAL OPERATING INSTRUCTIONS are designed to provide sufficient instruction for the safe operation of the industrial truck. The information is provided clearly and concisely. The chapters are arranged by letter. Each chapter starts with page 1. The page identification consists of a chapter letter and a page number.

For example: Page B 2 is the second page in chapter B.

The operating instructions detail different truck models. When operating and servicing the truck, make sure that the instructions apply to your truck model.

Safety instructions and important explanations are indicated by the following graphics:



Used before safety instructions which must be observed to avoid danger to personnel.



Used before notices which must be observed to avoid material damage.



Used before notices and explanations.



Used to indicate standard equipment.



Used to indicate optional equipment.

Our trucks are subject to ongoing development. Jungheinrich reserves the right to alter the design, equipment and technical features of the truck. No guarantee of particular features of the truck should therefore be inferred from the present operating instructions.

Copyright

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Index

A	Correct Application	
B	Truck Description	
1	Application	B 1
2	Materials	B 1
3	Assemblies and Functional Description	B 2
4	Standard Version Specifications	B 4
4.1	Performance data for standard trucks	B 4
4.2	Dimensions	B 4
5	EN norms	B 7
5.1	Conditions of use	B 7
6	Identification points and data plates	B 8
6.1	Data plate	B 10
C	Transport and Commissioning	
1	Lifting by crane	C 1
2	Securing the truck during transport	C 1
3	Using the truck for the first time	C 2
D	Battery Maintenance, Charging & Replacement	
1	Safety regulations for handling acid batteries	D 1
2	Battery types	D 2
3	Charging the Battery	D 2
4	Battery discharge indicator	D 3
5	Battery Replacement	D 4
E	Operation	
1	Safety Regulations for the Operation of Forklift Trucks	E 1
1.1	Additional clause to the safety regulations for operating an explosion-proof industrial truck ()	E 2
2	Controls	E 3
3	Starting up the truck	E 4
4	Industrial truck operation	E 5
4.1	Safety regulations for truck operation	E 5
4.2	Travel, Steering, Braking	E 6
4.3	Lifting and depositing loads	E 7
4.4	Parking the truck securely	E 8
5	Troubleshooting	E 9

F Industrial Truck Maintenance

1	Operational safety and environmental protection	F 1
2	Maintenance Safety Regulations	F 1
3	Servicing and inspection	F 3
4	Maintenance Checklist AMX I10 / AMX I10p	F 4
5	Maintenance Checklist AMX I10e / AMX I10ep	F 5
6	Lubrication Schedule	F 6
6.1	Consumables	F 7
7	Maintenance Instructions	F 7
7.1	Preparing the truck for maintenance and repairs	F 7
7.2	Replacing the Hydraulic Oil (AMX I10 / AMX I10p)	F 8
7.3	Replacing the Hydraulic Oil (AMX I10e / AMX I10ep)	F 8
7.4	Checking electrical fuses	F 9
7.5	Recommissioning	F 10
8	Decommissioning the industrial truck	F 10
8.1	Prior to decommissioning:	F 10
8.2	Action to be taken while the truck is out of service (AMX I10e / AMX I10ep only)	F 10
8.3	Returning the truck to operation after decommissioning	F 11
9	Safety checks to be performed at regular intervals and following any unusual incidents	F 12
10	Final de-commissioning, disposal	F 12

A Correct Application



The “Guidelines for the Correct Use and Application of Industrial Trucks” (VDMA) are supplied with the truck. The guidelines form part of these operating instructions and must be observed. National regulations apply in full.

The truck described in the present operator manual is an industrial truck designed for lifting and transporting load units.

It must be used, operated and serviced in accordance with the present instructions. All other types of use lie beyond the scope of application and can result in damage to personnel, the truck or property. In particular, avoid overloading the truck with loads which are too heavy or placed on one side. The data plate attached to the truck or the load chart are binding for the maximum load capacity. The industrial truck must not be used in fire or explosion endangered areas, or areas threatened by corrosion or excessive dust.

Proprietor responsibilities: For the purposes of the present operator manual the “proprietor” is defined as any natural or legal person who either uses the industrial truck himself, or on whose behalf it is used. In special cases (e.g. leasing or renting) the proprietor is considered the person who, in accordance with existing contractual agreements between the owner and user of the industrial truck, is charged with operational duties.

The proprietor must ensure that the truck is used only for the purpose it is intended for and that danger to life and limb of the user and third parties are excluded. Furthermore, accident prevention regulations, safety regulations and operating, servicing and repair guidelines must be followed. The proprietor must ensure that all truck users have read and understood this operator manual.



Failure to comply with the operator manual shall invalidate the warranty. The same applies if improper work is carried out on the truck by the customer or third parties without the permission of the manufacturer’s customer service department.

Attaching accessories: The mounting or installation of additional equipment which affects or enhances the performance of the industrial truck requires the written permission of the manufacturer. In some cases, local authority approval shall be required.

Approval of the local authorities however does not constitute the manufacturer’s approval.

B Truck Description

1 Application

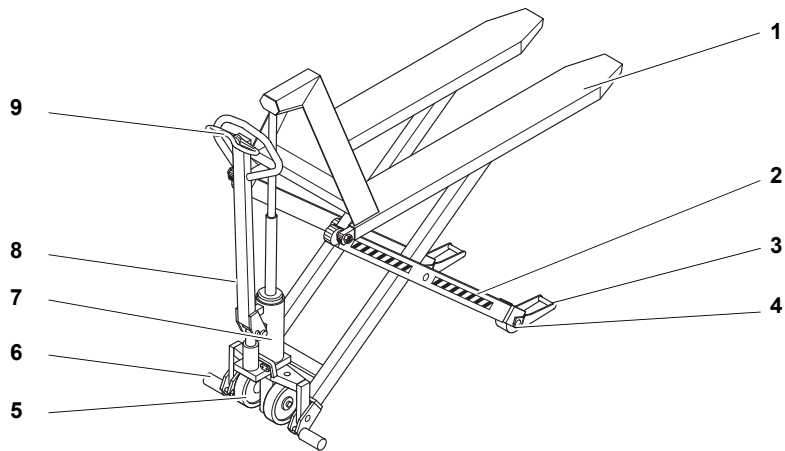
The AMX is a scissor lift pallet truck, designed for transporting goods on level surfaces. Open bottom pallets can be lifted. The capacity of the truck is shown on the data plate and on the data capacity plate Q_{max} . The dimensions of the load forks are calculated according to the type and number of pallets transported.

2 Materials

Material Comparison	AMX I10 / AMX I10e							AMX I10p / AMX I10ep AMX I10x						
	Rahmen	Control handle	Axle	Outtrigger lever	Yoke/Reversing lever	Plunger rod	Pump	Rahmen	Control handle	Axle	Outtrigger lever	Yoke/Reversing lever	Plunger rod	Pump
Acid resistant steel (AISI 316)	●							●						
Stainless steel (AISI 303/304)		●	●	●					●	●	●	●	●	● ¹⁾
Hot galvanized					●	●								
Electro-galvanized + yellow chromate							●							● ²⁾

- 1) AMX I10ep
2) AMX I10p / AMX I10x

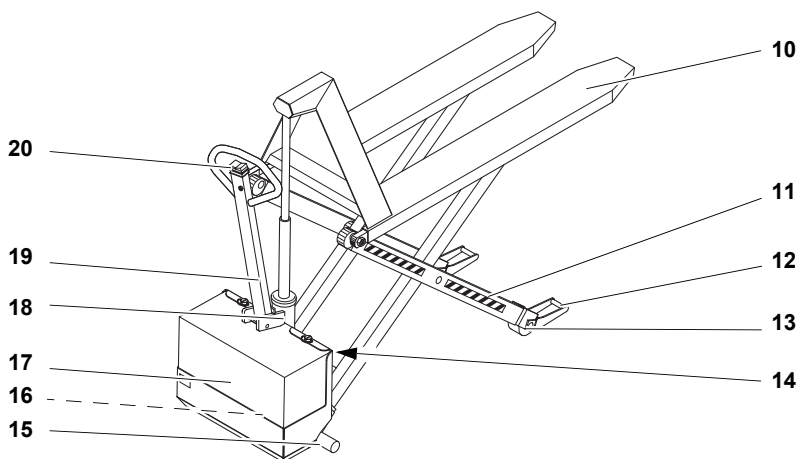
3 Assemblies and Functional Description



AMX I10 / I10p / I10x

Item		Description
1	●	Load fork
2	●	Scissors
3	●	Bearing thrust strap
4	●	Load wheels
5	●	Steer wheels
6	●	Support leg
7	●	Hydraulic cylinder
8	●	Control handle
9	●	"Lift/lower load fork" handle

● = Standard equipment	○ = Optional equipment
------------------------	------------------------



AMX I10e / I10ep

Item		Description
10	●	Load fork
11	●	Scissors
12	●	Bearing thrust strap
13	●	Load wheels
14	●	Battery connector
15	●	Support leg
16	●	Steer wheels
17	●	Hydraulic unit
18	●	Hydraulic cylinder
19	●	Control handle
20	●	"Lift/lower fork" button

● = Standard equipment

○ = Optional equipment

4 Standard Version Specifications



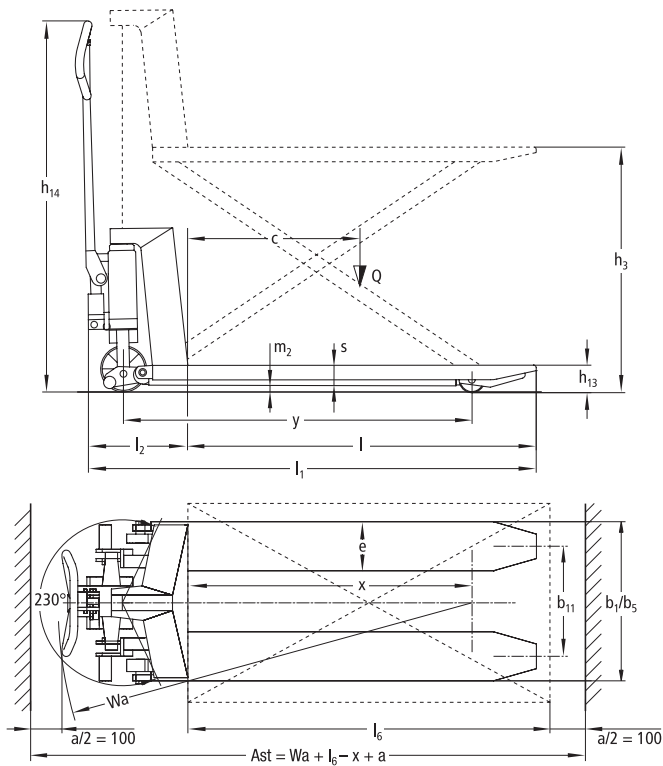
Technical data specified in accordance with VDI 2198.
Technical modifications and additions reserved.

4.1 Performance data for standard trucks

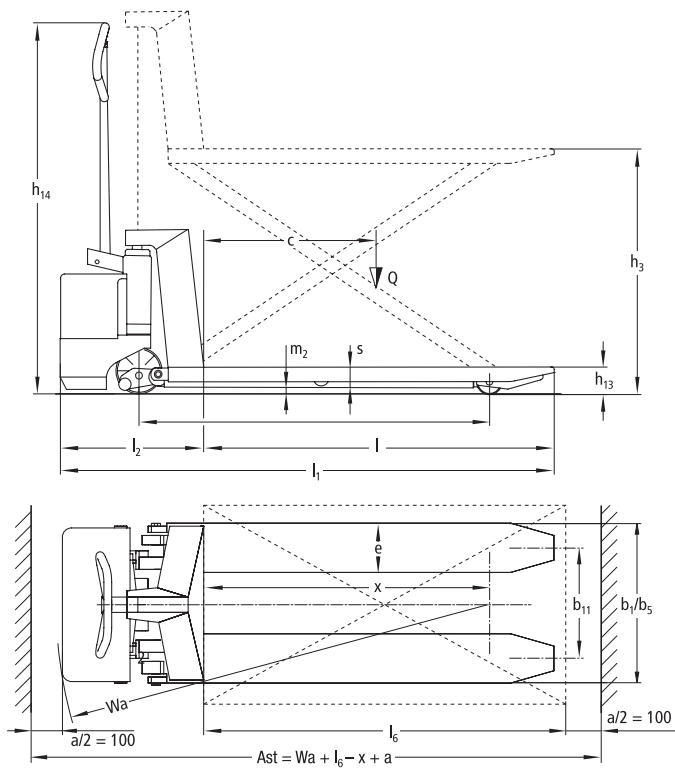
	Description	AMX l10/l10p l10x	AMX l10e/ l10ep	
	Drive unit:	Manual	Electric (lift)	
Q	Rated capacity	1000	1000	Kg
c	Load centre of gravity	600	600	mm
x	Load distance	925	925	mm
	Lowering speed with / without load	0.15/0.093	0.08/0.05	m/s
	Lift motor, output where s_3 10%	-	0,9	kW
	Battery voltage, rated capacity k_5	-	12/60	V / Ah
	Battery weight	-	20	Kg

4.2 Dimensions

	Description	AMX l10/l10p l10x	AMX l10e/ l10ep	
h_3	Lift	800	800	mm
h_{13}	Lowered height	85	85	mm
h_{14}	Tiller in neutral position.	1195	1195	mm
y	Wheelbase	1140	1140	mm
s/e/l	Fork dimensions	50/163/1140	50/163/1140	mm
l_1	Overall length	1480	1580	mm
l_2	Length incl. fork shank	340	440	mm
b_1/ b_2	Overall width	540/680	540/680	mm
b_5	Outer load fork distance	540	540	mm
b_1	Load bearing part track width	540	540	mm
m_2	Ground clearance	28	28	mm
A_{st}	Aisle width 800x1200 longit.	1830	1890	mm
Wa	Turning radius	1300	1396	mm



AMX I10/I10p/I10x



AMX I10e/I10ep

5 EN norms

Electromagnetic compatibility (EMC)

The manufacturer confirms that equipment complies with tolerance levels for electromagnetic emissions and resistance as well as static electricity discharge testing in accordance with EN 12895 including the normative procedures contained therein.



No changes to electric or electronic components or their arrangement may be made without the written agreement of the manufacturer.

5.1 Conditions of use

Ambient temperature
AMX I10 / I10p

- at temperatures from -35 °C to 40 °C

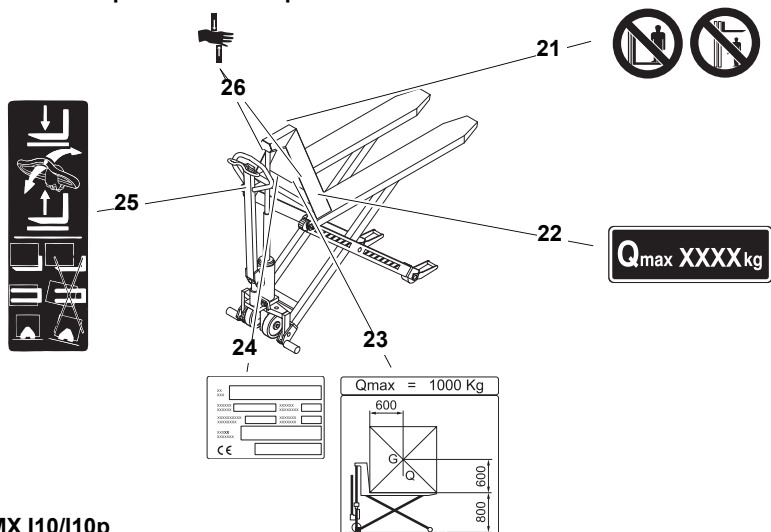
Ambient temperature
AMX I10e / I10ep

- at temperatures from 5 to 40 °C

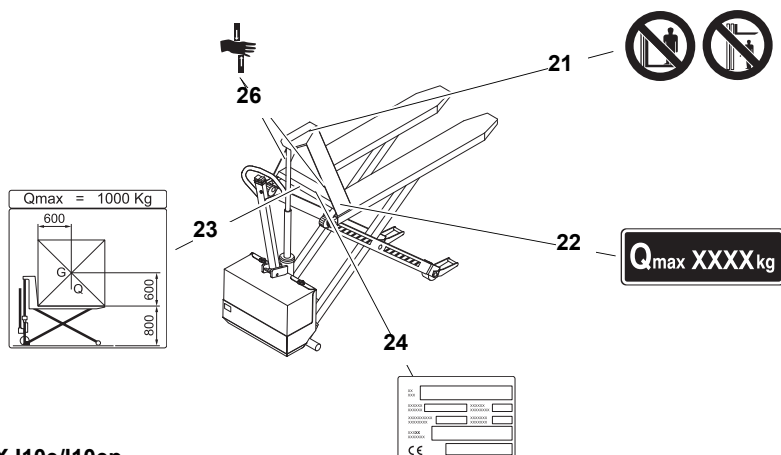
Ambient temperature
AMX I10x

- at temperatures from -20 to 40 °C

6 Identification points and data plates

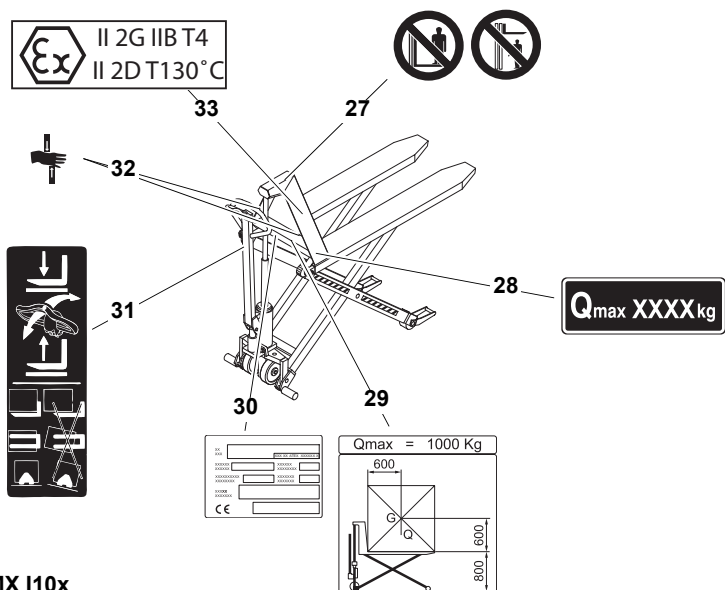


AMX I10/I10p



AMX I10e/I10ep

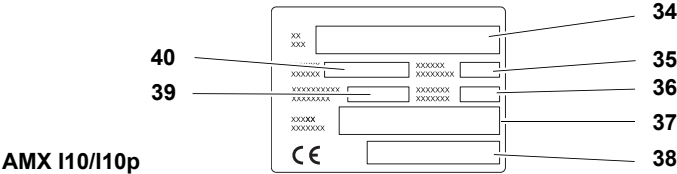
Item	Description
21	Warning decals: "Do not stand under the load handler" / "Do not stand on the load handler"
22	Capacity $Q_{\max}$
23	"Load centre of gravity" decal
24	Truck data plate
25	"Correct operation/loading" decal
26	"Danger of trapping" warning



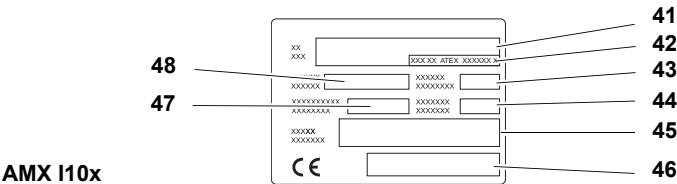
AMX I10x

Item	Description
27	Warning decals: “Do not stand under the load handler” / “Do not stand on the load handler”
28	Capacity $Q_{\max}$
29	“Load centre of gravity” decal
30	Truck data plate
31	“Correct operation/loading” decal
32	“Danger of trapping” warning
33	Explosion proof decal

6.1 Data plate



Item	Description
34	Type
35	Year of manufacture
36	Net weight in kg
37	Manufacturer
38	Manufacturer's logo
39	Rated capacity (kg)
40	Serial no.



Item	Description
41	Type
42	Reference (ATEX)
43	Year of manufacture
44	Net weight in kg
45	Manufacturer
46	Manufacturer's logo
47	Rated capacity (kg)
48	Serial no.



For queries relating to the truck or spare parts orders, please state the truck serial no. (40, 48).

C Transport and Commissioning

1 Lifting by crane



Only use lifting gear with sufficient capacity.

(AMX I10e / AMX I10ep: Transport weight = net weight + battery weight; see truck data plate)



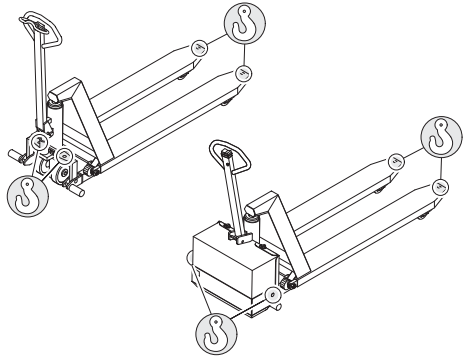
Strap points are provided for transporting the truck with crane lifting gear.

- Park the truck securely (see Chapter E).
- Secure the lifting slings to the attachment points.



Attach the crane slings to the strap points so that the truck cannot slip.

Lifting slings should be fastened to the harness in such a way that they do not come into contact with any parts of the truck when it is being raised.



2 Securing the truck during transport

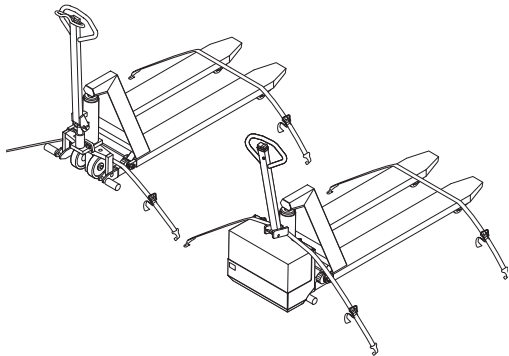


The truck must be securely fastened when transported on a lorry or a trailer. The lorry / trailer must have fastening rings.

- Tighten the tensioning belts over the forks to secure the truck. Attach tensioning belts to the fastening rings.
- Tighten the tensioning belt with the tensioner.



Loading must be carried out by specially trained staff in accordance with recommendations contained in Guidelines VDI 2700 and VDI 2703. In each case correct measurements shall be determined and appropriate safety measures adopted.



3 Using the truck for the first time

To prepare the truck after delivery or transport the following tasks must be carried out:

- Check the truck for completeness and satisfactory condition of the equipment.
- Install battery (where required). Do not damage battery cables (only AMX I10e / AMX I10ep)).
- Charge the battery (only AMX I10e / AMX I10ep), see Chapter D).
- Commission the truck in accordance with instructions (see Chapter E).



When the truck is parked, the surface of the tyres will flatten. The flattening will disappear after a short period of operation.

D Battery Maintenance, Charging & Replacement

1 Safety regulations for handling acid batteries

Park the truck securely before carrying out any work on the batteries (see Chapter E).

Maintenance personnel: Batteries may only be charged, serviced or replaced by trained personnel. The present operator manual and the manufacturer's instructions concerning batteries and charging stations must be observed when carrying out the work.

Fire protection: Smoking and naked flames must be avoided when working with batteries. Wherever a truck is parked for charging there shall be no inflammable material or operating fluids capable of creating sparks within 2 metres around the truck. The area must be well ventilated. Fire protection equipment must be provided.

Battery maintenance: The battery cell covers must be kept dry and clean. The terminals and cable shoes must be clean, secure and have a light coating of dielectric grease. Batteries with non insulated terminals must be covered with a non slip insulation mat.

Battery disposal: Batteries may only be disposed of in accordance with national environmental protection regulations or disposal laws. The manufacturer's disposal instructions must be followed.



Before closing the battery cover make sure that the battery lead cannot be damaged.



Batteries contain an acid solution which is poisonous and corrosive. Therefore, always wear protective clothing and eye protection when carrying out work on batteries. Above all avoid any contact with battery acid.

Nevertheless, should clothing, skin or eyes come in contact with acid the affected parts should be rinsed with plenty of clean water - where the skin or eyes are affected call a doctor immediately. Immediately neutralise any spilled battery acid.



Only batteries with a sealed battery container may be used.



The weight and dimensions of the battery have considerable effect on the operational safety of the truck. Battery equipment may only be replaced with the agreement of the manufacturer.

2 Battery types

The truck is equipped with the following battery types:

12 volt battery	60AhC5
-----------------	--------

The battery weight is indicated on the battery data plate.



When replacing/installing the battery make sure the battery is securely located in the battery compartment of the truck.

3 Charging the Battery

When the green LED (100%) on the battery discharge indicator is lit, the battery is fully charged.



When the red LED on the battery discharge indicator is lit, the battery is discharged.

The truck must be charged with a stationary charger.

– Park the truck securely (see Chapter E).



Only connect and disconnect the battery and the charger when the charger is switched off.

– Connect the charger to the battery. Then connect the charger to a suitable mains socket (230 V $\pm$ 10%).

– Charge the battery until the green LED (100%) on the battery discharge indicator is lit.

– Pull the mains connector of the charger out of the mains socket, and remove the charger connector from the battery connector.



Do not undertake a lift operation during charging.



To ensure a long battery life, it is advisable to run a regular compensation charge (1 x a week). The charger must be connected to the mains for at least 12 hours.

Mains connection

Mains supply: 230 V ($\pm$ 10%)

Mains frequency: 50 Hz $\pm$ 4%

Charging times

The charging time can take up to 12 hours depending on the battery discharge status.

4 Battery discharge indicator

The battery discharge status is indicated by the LED.

Charge	Colour	Status
100%	Green	Truck operational
75%	Green	Truck operational
50%	Green	Truck operational
25%	Yellow	Charge battery
<25%	Red	Charge battery, truck not operational



For light applications (load < 300 kg) charge the battery when the LED is flashing yellow.

Charge the battery when the LED is flashing red.

Further operation will damage the battery.

Battery depletion occurs and the voltage drops below the minimum level.



Lifting is cut out when 20% residual capacity is reached (LED goes red).

5 Battery Replacement



The truck must be parked on level ground. To prevent short circuits, batteries with exposed terminals or connectors must be covered with a rubber mat. Place the battery connector or the battery cable in such a way that they will not get caught on the truck when the battery is removed.



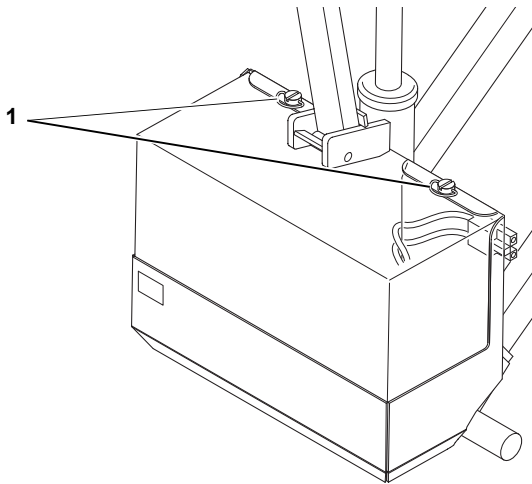
When replacing a battery always use the same battery type. Extra weights must not be removed and must remain in the same position.

- Turn the turn-lock fasteners (1) 90°.
- Remove the battery panel.
- Undo the terminal screws and remove the battery cable from the terminals.



Place the battery connector or the battery cable in such a way that they will not get caught on the truck when the battery is removed.

- Remove the battery.



Installation is the reverse order. When reinstalling the batteries, make sure they are installed in the correct position and properly connected.

- Red cable: + terminal
- Black cable: - terminal
- After installing the battery again, check all cables and plug connections for visible signs of damage.



Before starting the truck, the battery panel must be firmly closed. Close the battery panel carefully and slowly. Do not reach between the battery panel and the chassis.

E Operation

1 Safety Regulations for the Operation of Forklift Trucks

Driver's rights, obligations and responsibilities: The driver must be informed of his duties and responsibilities and be instructed in the operation of the truck and shall be familiar with the operator manual. The driver shall be afforded all due rights.

Unauthorised Use of Truck: The driver is responsible for the truck during the time it is in use. The driver must prevent unauthorised persons from driving or operating the truck. Do not carry passengers or lift other people.

Damage and Faults: The supervisor must be immediately informed of any damage or faults to the forklift truck or attachment. Trucks which are unsafe for operation (e.g. wheel or brake problems) must not be used until they have been rectified.

Repairs: The driver must not carry out any repairs or alterations to the forklift truck without the necessary training and authorisation to do so. The driver must never disable or adjust safety mechanisms or switches.

Hazardous area: A hazardous area is defined as the area in which a person is at risk due to truck movement, lifting operations, the load handler (e.g. forks or attachments) or the load itself. This also includes areas which can be reached by falling loads or lowering operating equipment.



Unauthorised persons must be kept away from the hazardous area. Where there is danger to personnel, a warning must be sounded with sufficient notice. If unauthorised personnel are still within the hazardous area the truck shall be brought to a halt immediately.

Safety Devices and Warning Signs: Safety devices, warning signs and warning instructions shall be strictly observed.

1.1 Additional clause to the safety regulations for operating an explosion-proof industrial truck ()

Explosion-proof trucks are indicated as follows:



Trucks with this reference can be used in zone 1 areas at risk from explosion due to gas, steam or fog of explosion group IIB and temperature group T4. The lesser requirements of explosion groups IIA and temperature classes T3, T2 and T1 are also covered.



Trucks with this reference can be used in zone 21 areas at risk from explosion due to fibres, fluff or electrically conductive dusts, as well as a maximum surface temperature of T130°C.



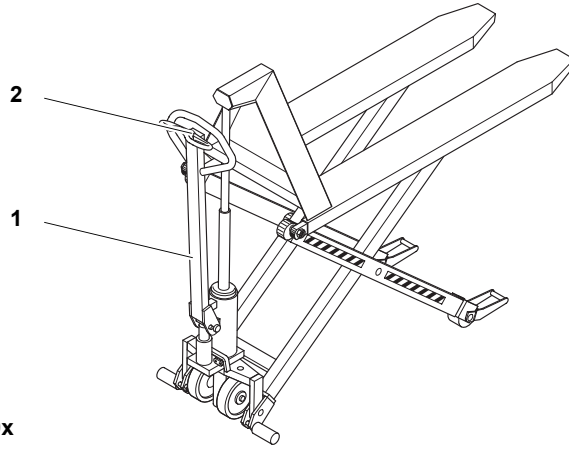
Dust, contamination and paint, acids and caustic solutions can cause a reduction or complete failure of electrical/electronic energy conducted to the ground. The truck and transport routes must be treated accordingly.

It is the sole responsibility of the user to check the safety mechanisms, such as testing the electrically conductive wheel(s).
When replacing wheels always use new wheels with the same level of functionality.
At least one wheel must be antistatic.



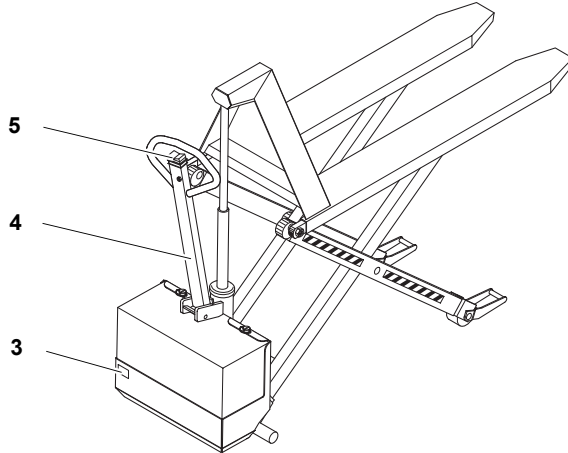
Enter and exit the pallet truck into the load handler opening without load to avoid grating on sharp edges.

2 Controls



AMX I10/I10p/I10x

Item	Control / Display		Function
1	Control handle	●	Moves and steers the truck.
2	“Lift/lower load fork” handle	●	Manually lifts / lowers load fork.



AMX I10e/I10ep

Item	Control / Display		Function
3	Battery discharge indicator	●	Indicates the battery charge status (see Chapter D).
4	Control handle	●	Used to steer and brake the truck.
5	“Lift/lower fork” button	●	Lifts / lowers the forks.

● = Standard equipment	○ = Optional equipment
------------------------	------------------------

3 Starting up the truck



Before the truck can be commissioned, operated or a load unit lifted, the driver must ensure that there is nobody within the hazardous area.

Checks and operations to be performed before starting daily work

- Inspect the entire truck (especially the wheels and the load handler) for visible signs of damage.

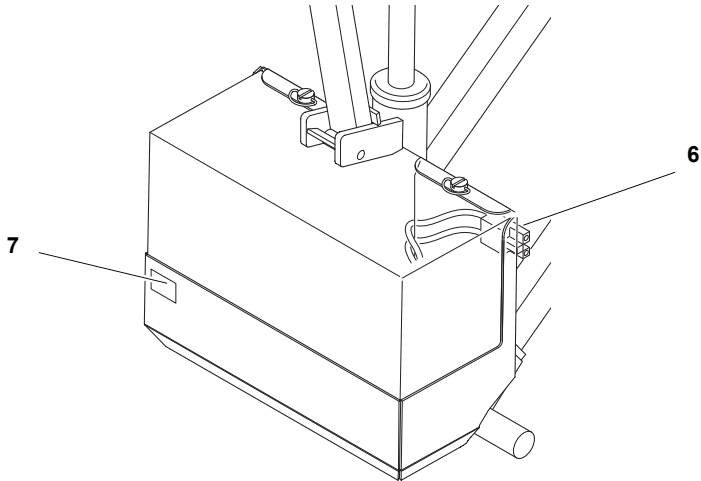
AMX I10e / AMX I10ep only:

- Check whether charge connector is connected (6). Remove if necessary.



The battery discharge monitor (7) shows the available battery capacity.

The truck is now operational.



4 Industrial truck operation

4.1 Safety regulations for truck operation

Travel routes and work areas: Only use lanes and routes specifically designated for truck traffic. Unauthorised third parties must stay away from work areas. Loads must only be stored in places specially designated for this purpose.

Driving conduct: The driver must adapt the travel speed to local conditions. The truck must be driven at slow speed when negotiating bends or narrow passageways, when passing through swing doors and at blind spots. The driver must always observe an adequate braking distance between the forklift truck and the vehicle in front and must be in control of the truck at all times. Abrupt stopping (except in emergencies), rapid U turns and overtaking at dangerous or blind spots are not permitted.

Travel visibility: The driver must look in the direction of travel and must always have a clear view of the route ahead. Loads that affect visibility must be positioned at the rear of the truck. If this is not possible, a second person must walk in front of the truck as a lookout.

Negotiating slopes and inclines: Slopes or inclines may only be negotiated if they are designated traffic routes, are clean and have a non-slip surface and providing they can be safely negotiated in accordance with the technical specifications of the truck. The truck must always be driven with the load unit facing uphill. The industrial truck must not be turned, operated at an angle or parked on inclines or slopes. Inclines must only be negotiated at slow speed, with the driver ready to brake at any moment.

Negotiating lifts and docks: Lifts and docks must only be used if they have sufficient capacity, are suitable for driving on and authorised for truck traffic by the owner. The driver must satisfy himself of the above before entering these areas. The truck must enter lifts with the load in front and must take up a position which does not allow it to come into contact with the walls of the lift shaft. People travelling in the lift with the forklift truck must only enter the lift after the truck has come to a halt and must exit the lift before the truck.

Type of loads to be carried: The operator must make sure that the load is in a satisfactory condition. Do not carry loads unless they are positioned safely and carefully. Use suitable precautions to prevent parts of the load from tipping or falling down,

4.2 Travel, Steering, Braking



Never carry passengers.

Travel

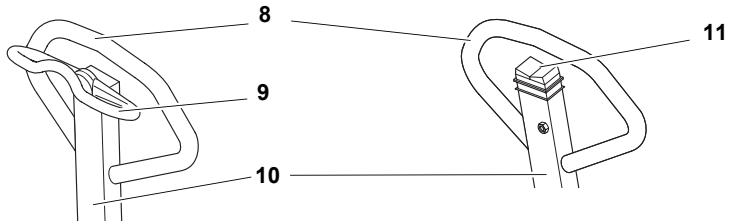


Do not drive the truck unless the panel is closed and properly locked.

- Start up the truck (refer to section 3)..

AMX I10/AMX I10p tiller

AMX I10e/AMX I10ep tiller:



- The truck can be pulled or pushed from the tiller (8) handle (11).



AMX I10 / AMX I10p: When moving a laden truck, the handle (9) must be in the “neutral” position.

Steering

- Move the control handle (1) to the left or right.



On narrow bends the tiller extends outside the truck’s geometry.

Braking

In an emergency the truck can be braked by lowering the load.

- AMX I10 / AMX I10p: Press handle (9) in direction “S” to lower the load.
- AMX I10e / AMX I10ep: Press handle in “Lower” direction “S” to lower the load.

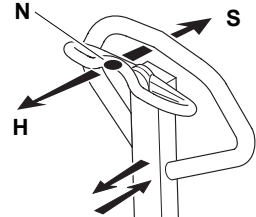
4.3 Lifting and depositing loads



Before picking up a load, the driver must ensure that it is correctly palletised and that the capacity of the truck is not exceeded.
Do not lift long loads at an angle.

- AMX I10 / AMX I10p: Lower the fork if necessary by pressing the handle in the “Lower” direction and then return the handle to the neutral (N) position.
- AMX I10e / AMX I10ep: Lower the fork if necessary by pressing the button in the “Lower” direction.
- Fully insert the forks of the truck underneath the load.

AMX I10 / p tiller:



Raise/Lower

Lift AMX I10 / AMX I10p

- Push handle in the “Lift” direction.
- Lift the fork by moving the tiller up and down until you reach the desired lifting height.

Lower AMX I10 / AMX I10p

- Push handle in the “Lower” direction to lower the load.

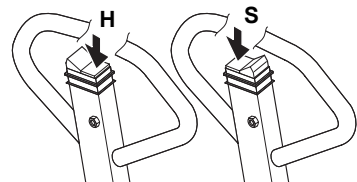


When moving a laden truck, the handle must be in the neutral (N) position.

AMX I10e / AMX I10ep lift:

Press button (Lift) until you reach the desired height.

AMX I10e / ep tiller:



AMX I10e / AMX I10ep lower:

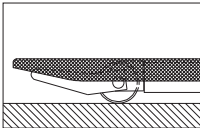
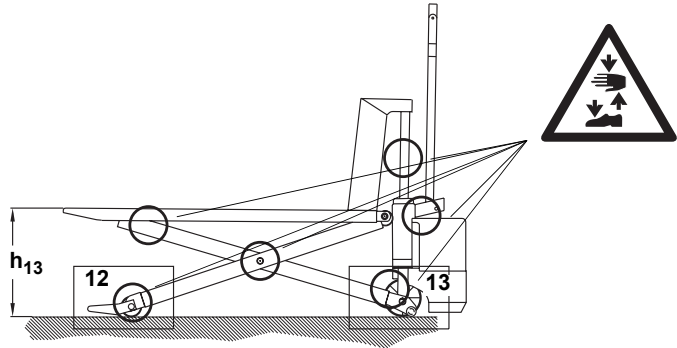
- Press “Lower” button to lower the load.

Stability at Height



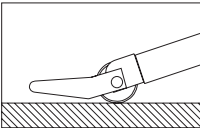
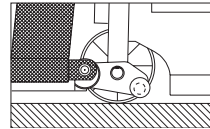
Risk of trapping from moving parts!

The support legs (13) and bearing thrust strap (12) combine to stabilise the truck. When the forks are above a height of 400 mm, the support legs and bearing thrust strap automatically lower to prevent the scissor lift truck from travelling. The support legs are eccentric, so that they can be adjusted according to their gradual state of wear.



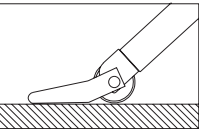
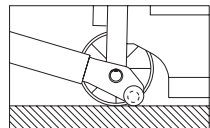
$h_{13} = 90 \text{ mm}$

Raise the bearing thrust strap (12) and support leg (13) off the ground.



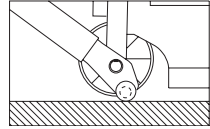
$h_{13} = 400 \text{ mm}$

The support leg (13) brakes the truck.



$h_{13} = 800 \text{ mm}$

The bearing thrust strap (12) raises the steer wheel, the support leg (13) raises the load wheel.



4.4 Parking the truck securely



Always park the truck securely.
Do not park the truck on an incline.
The load fork must always be lowered to the ground.

– Lower the load forks.

5 Troubleshooting

This chapter is designed to help the user identify and rectify basic faults or the results of incorrect operation. When locating a fault, proceed in the order shown in the table.

Fault	Probable Cause	Action
Load cannot be lifted or is not lifted on first pump stroke.	– Hydraulic oil level too low – Air in hydraulic system – Seals leaking, valves do not close.	– Check hydraulic oil level. – Pump load handler fully upwards to bleed the hydraulic system. – Inform manufacturer's service department.
	AMX I10 / AMX I10p only: – Handle in "neutral" position or pushed in "Lower" direction.	AMX I10 / AMX I10p only: – Push handle in "Lift" direction.
	AMX I10e / AMX I10ep only: – Battery charge too low. – Faulty fuse.	AMX I10e / AMX I10ep only: – Recharge the battery. – Check fuses.
Load cannot be lowered	– Lift cylinder damaged.	– Inform manufacturer's service department.
	AMX I10e / AMX I10ep only: – Battery charge too low. – Faulty fuse.	AMX I10e / AMX I10ep only: – Recharge the battery. – Check fuses.



If the fault cannot be rectified after carrying out the remedial procedure, notify the manufacturer's service department, as any further troubleshooting can only be performed by specially trained and qualified service personnel.

F Industrial Truck Maintenance

1 Operational safety and environmental protection

The servicing and inspection duties contained in this chapter must be performed in accordance with the intervals indicated in the maintenance checklists.



Any modification to the forklift truck assemblies, in particular the safety mechanisms, is prohibited. The operational speeds of the truck must not be changed under any circumstances.



Only original spare parts have been certified by our quality assurance department. To ensure safe and reliable operation of the forklift truck, use only the manufacturer's spare parts. Used parts, oils and fuels must be disposed of in accordance with the relevant environmental protection regulations. For oil changes, contact the manufacturer's specialist department.

Upon completion of inspection and servicing, carry out the activities listed in the "Recommissioning" section (see chapter F 7.5).

2 Maintenance Safety Regulations

Maintenance personnel: Industrial trucks must only be serviced and maintained by the manufacturer's trained personnel. The manufacturer's service department has field technicians specially trained for these tasks. We therefore recommend a maintenance contract with the manufacturer's local service centre.

Lifting and jacking up: When an industrial truck is to be lifted, the lifting gear must only be secured to the points specially provided for this purpose. When jacking up the truck, take appropriate measures to prevent the truck from slipping or tipping over (e.g. wedges, wooden blocks). You may only work underneath a raised load handler if it is supported by a sufficiently strong chain.

Cleaning: Do not use flammable liquids to clean the industrial truck. Prior to cleaning, implement all necessary safety measures to prevent sparking (e.g. through short circuits). For battery-operated trucks, the battery connector must be removed. Only weak suction or compressed air and non-conductive antistatic brushes may be used for cleaning electric or electronic assemblies.



If the truck is to be cleaned with a water jet or a high-pressure cleaner, all electrical and electronic components must be carefully covered beforehand as moisture can cause malfunctions.

Do not clean with pressurised water.

After cleaning the truck, carry out the activities detailed in the "Recommissioning" section.

Electrical System: Only suitably trained personnel may operate on the truck's electrical system. Before working on the electrical system, take all precautionary measures to avoid electric shocks. For battery-operated trucks, also de-energise the truck by removing the battery connector.

Welding: To avoid damaging electric or electronic components, remove these from the truck before performing welding operations.

Settings: When repairing or replacing hydraulic, electric or electronic components or assemblies, always note the truck-specific settings.

Tyres: The quality of tyres affects the stability and performance of the truck. When replacing wheels/rollers fitted at the factory, only use manufacturer's original spare parts. Otherwise the truck's rated performance cannot be ensured.

When changing wheels and tyres, ensure that the truck does not slew (e.g. when replacing wheels always left and right simultaneously).

Hydraulic hoses: The hoses must be replaced every six years. When replacing hydraulic components, also replace the hoses in the hydraulic system.

3 Servicing and inspection

Thorough and expert servicing is one of the most important requirements for the safe operation of the industrial truck. Failure to perform regular servicing can lead to truck failure and poses a potential hazard to personnel and equipment.



The application conditions of an industrial truck have a considerable impact on the wear of the service components.

We recommend that a Jungheinrich customer service adviser carries out an application analysis on site to work out specific service intervals to prevent damage due to wear.

The service intervals stated are based on single shift operation under normal operating conditions. They must be reduced accordingly if the truck is to be used in conditions of extreme dust, temperature fluctuations or multiple shifts.

The following maintenance checklist states the tasks and intervals after which they should be carried out. Maintenance intervals are defined as:

W = Every 50 service hours, at least weekly

A = Every 500 service hours

B = Every 1000 service hours

C = Every 2000 service hours, at least annually



W service intervals are to be performed by the customer.

During the run-in period – after approx. 100 service hours – the owner must check the wheel nuts/bolts and re-tighten if necessary.

4 Maintenance Checklist AMX I10 / AMX I10p

Maintenance intervals

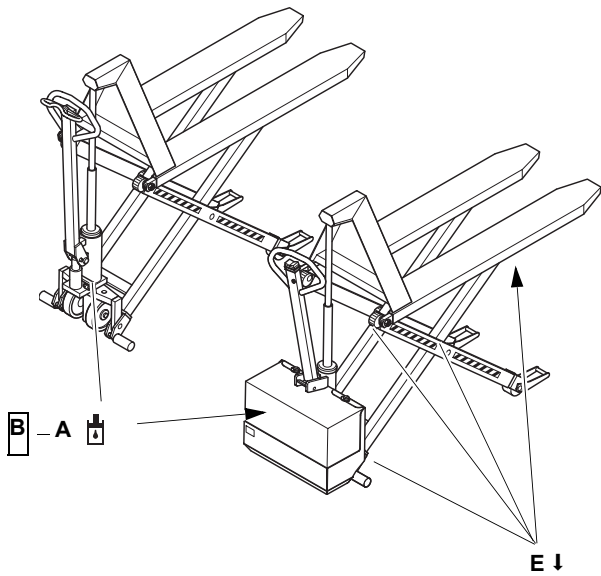
			Maintenance intervals				
			Standard = ●	W	A	B	C
			Cold Store = *				
Chassis/ Design:	1.1	Check all load bearing components for damage					●
	1.2	Check screw connections					●
Wheels:	2.1	Check wheels for wear and damage	●				
	2.2	Check suspension and attachment					●
Steering:	3.1	Check the steering play					●
Hydraulic System:	5.1	Test operation					●
	5.2	Check unions and connections for leaks and and check damage					●
	5.3	Make sure hydraulic unit is sealed, check for damage and test attachment					●
	5.4	Check oil level					●
	5.5	Replace hydraulic oil and filter cartridge					●
	5.6	Test pressure relief valves					●
Lift mechanism:	8.1	Check operation, wear and setting					●
	8.2	Check the load wheels and plunger rods					●
	8.3	Check forks and fork carriage for wear and damage					●
Lubrication:	9.1	Lubricate truck in accordance with Lubrication Schedule.					●
Demonstration:	11.1	Test run with rated load					●
	11.2	After completing maintenance, present the truck to the supervisor					●

5 AMX I10e / AMX I10ep Maintenance Checklist:

Maintenance intervals

			Standard = ●	W	A	B	C
			Cold Store = ✱				
Chassis/ Design:	1.1	Check all load bearing components for damage					●
	1.2	Check screw connections					●
Wheels:	2.1	Check wheels for wear and damage	●				
	2.2	Check suspension and attachment					●
Steering:	3.1	Check the steering play					●
Hydraulic System:	5.1	Test operation					●
	5.2	Check unions and connections for leaks and and check damage					●
	5.3	Make sure hydraulic unit is sealed, check for damage and test attachment					●
	5.4	Check oil level					●
	5.5	Replace hydraulic oil and filter cartridge					●
	5.6	Test pressure relief valves					●
Electrical System:	6.1	Test operation					●
	6.2	Check all cables are secure and check for damage					●
	6.3	Check fuse ratings					●
	6.4	Make sure switches are secure and are operating correctly					●
Battery:	7.1	Check acid density, acid level and cell voltage					●
	7.2	Check terminals are securely attached, and apply grease					●
	7.3	Clean battery plug connections, make sure they are tight					●
	7.4	Check battery cables for damage, replace if necessary.					●
Lift mechanism:	8.1	Check operation, wear and setting					●
	8.2	Check the load wheels and plunger rods					●
	8.3	Check forks and fork carriage for wear and damage					●
Lubrication:	9.1	Lubricate truck in accordance with Lubrication Schedule.					●
General	10.1	Check electrical system for frame leakage					●
Measurements:	10.3	Test lift and lowering speeds					●
Demonstration:	11.1	Test run with rated load					●
	11.2	After completing maintenance, present the truck to the supervisor					●

6 Lubrication Schedule



- | | |
|--------------------|-----------------------------|
| ▼ Contact surfaces | ⛶ Hydraulic oil filler neck |
| ↓ Grease nipple | □ Cold Store Application |

6.1 Consumables

Handling consumables: Consumables must always be handled correctly. Follow the manufacturer's instructions.



Improper handling is hazardous to health, life and the environment. Consumables must only be stored in appropriate containers. They may be flammable and must therefore not come into contact with hot components or naked flames.

Only use clean containers when filling up with consumables. Do not mix consumables of different grades. The only exception to this is when mixing is expressly stipulated in the Operating Instructions.

Avoid spillage. Spilled liquids must be removed immediately with suitable bonding agents and the bonding agent / consumable mixture must be disposed of in accordance with regulations.

Code	Order no.	Package quantity	Description	Used for
A	50 449 669	5.0 l	H-LPD 46, DIN 51524	Hydraulic system
B	29 202 020	5.0 l	Aeroshell Fluid 4	Hydraulic system
E	29 202 050	1 Kg	Grease	Lubrication

Grease guidelines

Code	Saponification	Dew point °C	Worked penetration at 25° C	NLG1 class	Application-temperature °C
E	Lithium	185	265-295	2	-35/+120

7 Maintenance Instructions

7.1 Preparing the truck for maintenance and repairs

All necessary safety measures must be taken to avoid accidents when carrying out maintenance and repairs. The following preparations must be made:

– Park the truck securely (see Chapter E).



When working under a raised load fork or a raised truck, secure them to prevent them from lowering, tipping or sliding away. When raising the truck also refer to the instructions in the “Transport and Commissioning” section.

7.2 Replacing the Hydraulic Oil (AMX I10 / AMX I10p)

Draining the oil:

- Fork must be in lowered position.
- Tilt pallet truck to the side and remove tank stopper.
- The oil now flows out of the filling hole.

Filling the oil:

- Align pallet truck again and add about 0,7 litres of hydraulic oil.
- The oil must be level with the opening.
- Close opening with tank stopper.
- Pump up the forks fully.

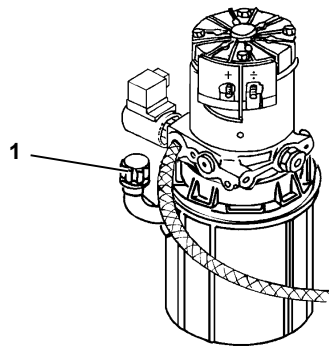
7.3 Replacing the Hydraulic Oil (AMX I10e / AMX I10ep)

Draining the oil:

- Fork must be in lowered position.
- Remove the eight clamps from the oil container and remove the oil container.
- Empty the oil container and clean the oil container and filter.

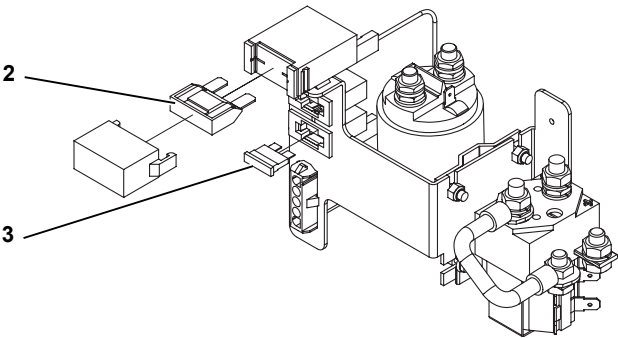
Filling the oil:

- Refit the oil container and fasten with the eight clamps.
- Add approx. 1.0 l hydraulic oil.
- The oil must be level with the (1) opening.
- Close opening with tank stopper.
- Raise the forks fully.



7.4 **Checking electrical fuses**

- Prepare the truck for maintenance (see Chapter 7.1).
- Check all fuse ratings in accordance with the table; replace if necessary.



Item	Description	To protect:	
2	F2	Pump motor	80 A
3	2 F1	Overall control circuit fuse	5 A

7.5 Recommissioning

The truck may only be restored to service after cleaning or repair work, once the following operations have been performed.

- Lubricate the truck in accordance with the lubrication schedule.
- Bleed the hydraulic system by pumping the pallet truck up completely.
- AMX I10e / AMX I10ep only: Test the “Lift/Lower” button.

8 Decommissioning the industrial truck

If the industrial truck is to be decommissioned for more than two months, e.g. for operational reasons, it must be parked in a frost-free and dry location and all necessary measures must be taken before, during and after decommissioning as described.



On decommissioning the truck must be jacked up so that all the wheels are clear of the ground. This is the only way of ensuring that the wheels and wheel bearings are not damaged.

If the truck is to be out of service for more than 6 months, further measures must be taken in consultation with the manufacturer's service department.

8.1 Prior to decommissioning:

- Thoroughly clean the truck.
- Check the hydraulic oil level and replenish as necessary (see Chapter F).
- Apply a thin layer of oil or grease to any non-painted mechanical components.
- Lubricate the truck in accordance with the lubrication schedule (see Chapter F).

AMX I10e / AMX I10ep only:

- Charge the battery (see Chapter D).
- Disconnect the battery, clean it and grease the terminals.



In addition, follow the battery manufacturer's instructions.

- Spray all exposed electrical contacts with a suitable contact spray.

8.2 Action to be taken while the truck is out of service (AMX I10e / AMX I10ep only)

Every 2 months:

- Charge the battery (see Chapter D).



Battery powered trucks:

The battery must be charged at regular intervals to avoid depletion of the battery through self-discharge. The sulfatisation would destroy the battery.

8.3 Returning the truck to operation after decommissioning

- Thoroughly clean the truck.
- Lubricate the truck in accordance with the lubrication schedule (see Chapter F).
- Check hydraulic oil for condensed water and replace if necessary.
- Start up the truck (see Chapter E).

AMX I10e / AMX I10ep only:

- Clean the battery, grease the terminals and connect the battery.
- Charge the battery (see Chapter D).
- Start up the truck (see Chapter E).



Battery powered trucks:

If there are switching problems in the electrical system, apply contact spray to the exposed contacts and remove any oxide layers on the contacts of the operating controls by applying them repeatedly.

9 Safety checks to be performed at regular intervals and following any unusual incidents

-  Carry out a safety check in accordance with national regulations. Jungheinrich recommends checks in accordance with FEM Guideline 4.004. Jungheinrich has a special safety department with trained personnel to carry out such checks.

The truck must be inspected at least annually (refer to national regulations) or after any unusual event by a qualified inspector. The inspector shall assess the condition of the truck from purely a safety viewpoint, without regard to operational or economic circumstances. The inspector shall be sufficiently instructed and experienced to be able to assess the condition of the truck and the effectiveness of the safety mechanisms based on the technical regulations and principles governing the inspection of forklift trucks.

A thorough test of the truck must be undertaken with regard to its technical condition from a safety aspect. The truck must also be examined for damage caused by possible improper use. A test report shall be provided. The test results must be kept for at least the next 2 inspections.

The owner is responsible for ensuring that faults are immediately rectified.

-  A test plate is attached to the truck as proof that it has passed the safety inspection. This plate indicates the due date for the next inspection.

10 Final de-commissioning, disposal

-  Final, proper decommissioning or disposal of the truck must be performed in accordance with the regulations of the country of application. In particular, regulations governing the disposal of batteries, fuels and electronic and electrical systems must be observed.