

GE Healthcare

MAC™ ECG Trolley Service Manual

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MAC™ ECG Trolley
English
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Publication Information

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The document part number and revision are on each page of the document. The revision identifies the document's update level. The revision history of this document is summarized in the following table.

Revision	Date	Comments
A	1 March 2011	Initial release of document
B	13 May 2011	Updated the Accessories and Parts List.
C	22 July 2011	Added graphics to the Fastener Hardware FRU Kit in the Parts List chapter.
D	30 April 2012	Updated caster information for the MAC 1600 Trolley.
E	19 July 2013	Updated information for the new trolley base.

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Service Manual Language Information

WARNING (EN)	This service manual is available in English only. • If a customer's service provider requires a language other than English, it is the customer's responsibility to provide translation services. • Do not attempt to service the equipment unless this service manual has been consulted and is understood. • Failure to heed this warning may result in injury to the service provider, operator, or patient, from electric shock, mechanical or other hazards.
ПРЕДУПРЕЖДЕНИЕ (BG)	Това упътване за работа е налично само на английски език. • Ако доставчикът на услугата на клиента изиска друг език, задължение на клиента е да осигури превод. • Не използвайте оборудването, преди да сте се консултирали и разбрали упътването за работа. • Неспазването на това предупреждение може да доведе до нараняване на доставчика на услугата, оператора или пациент в резултат на токов удар или механична или друга опасност.
警告 ZH-CN	本维修手册仅提供英文版本。 • 如果维修服务提供商需要非英文版本，客户需自行提供翻译服务。 • 未详细阅读和完全理解本维修手册之前，不得进行维修。 • 忽略本警告可能对维修人员，操作员或患者造成触电、机械伤害或其他形式的伤害。
警告 (ZH-TW)	本維修手冊只提供英文版。 • 如果客戶的維修人員有英語以外的其他語言版本需求，則由該客戶負責提供翻譯服務。 • 除非您已詳閱本維修手冊並了解其內容，否則切勿嘗試對本設備進行維修。 • 不重視本警告可能導致維修人員、操作人員或病患因電擊、機械因素或其他因素而受到傷害。

Service Manual Language Information (cont'd.)

UPOZORENJE (HR)	Ove upute za servisiranje dostupne su samo na engleskom jeziku. • Ukoliko korisnički servis zahtijeva neki drugi jezik, korisnikova je odgovornost osigurati odgovarajući prijevod. • Nemojte pokušavati servisirati opremu ukoliko niste konzultirali i razumjeli ove upute. • Nepoštivanje ovog upozorenja može rezultirati ozljedama servisnog osoblja, korisnika ili pacijenta prouzročenim električnim udarom te mehaničkim ili nekim drugim opasnostima.
VAROVÁNÍ (CS)	Tento provozní návod existuje pouze v anglickém jazyce. • V případě, že externí služba zákazníkům potřebuje návod v jiném jazyce, je zajištění překladu do odpovídajícího jazyka úkolem zákazníka. • Nesnažte se o údržbu tohoto zařízení, aniž byste si přečetli tento provozní návod a pochopili jeho obsah. • V případě nedodržování této varování může dojít k poranění pracovníka prodejního servisu, obslužného personálu nebo pacientů vlivem elektrického proudu, respektive vlivem mechanických či jiných rizik.
ADVARSEL (DA)	Denne servicemanual findes kun på engelsk. • Hvis en kundes tekniker har brug for et andet sprog end engelsk, er det kundens ansvar at sørge for oversættelse. • Forsøg ikke at servicere udstyret medmindre denne servicemanual har været konsulteret og er forstået. • Manglende overholdelse af denne advarsel kan medføre skade på grund af elektrisk, mekanisk eller anden fare for tekniker, operatøren eller patienten.
WAARSCHUWING (NL)	Deze service manual is alleen in het Engels verkrijgbaar. • Indien het onderhoudspersoneel een andere taal nodig heeft, dan is de klant verantwoordelijk voor de vertaling ervan. • Probeer de apparatuur niet te onderhouden voordat deze service manual geraadpleegd en begrepen is. • Indien deze waarschuwing niet wordt opgevolgd, zou het onderhoudspersoneel, de gebruiker of een patiënt gewond kunnen raken als gevolg van een elektrische schok, mechanische of andere gevaren.
HOIATUS (ET)	Käesolev teenindusjuhend on saadaval ainult inglise keeles. • Kui klienditeeninduse osutaja nõuab juhendit inglise keelest erinevas keeles, vastutab klient tõlketeenuse osutamise eest. • Ärge üritage seadmeid teenindada enne eelnevalt käesoleva teenindusjuhendiga tutvumist ja sellest aru saamist. • Käesoleva hoiatuse eiramine võib põhjustada teenuseosutaja, operaatori või patsiendi vigastamist elektrilöögi, mehaanilise või muu ohu tagajärjel.
VAROITUS (FI)	Tämä huolto-ohje on saatavilla vain englanniksi. • Jos asiakkaan huoltohenkilöstö vaatii muuta kuin englanninkielistä materiaalia, tarvittavan käännöksen hankkiminen on asiakkaan vastuulla. • Älä yritä korjata laitteistoa ennen kuin olet varmasti lukenut ja ymmärtänyt tämän huolto-ohjeen. • Mikäli tätä varoitusta ei noudateta, seurauksena voi olla huoltohenkilöstön, laitteiston käyttäjän tai potilaan vahingoittuminen sähköiskun, mekaanisen vian tai muun vaaratilanteen vuoksi.

Service Manual Language Information (cont'd.)

ATTENTION (FR)	Ce manuel technique n'est disponible qu'en anglais. • Si un service technique client souhaite obtenir ce manuel dans une autre langue que l'anglais, il devra prendre en charge la traduction et la responsabilité du contenu. • Ne pas tenter d'intervenir sur les équipements tant que le manuel technique n'a pas été consulté et compris. • Le non-respect de cet avertissement peut entraîner chez le technicien, l'opérateur ou le patient des blessures dues à des dangers électriques, mécaniques ou autres.
WARNUNG (DE)	Diese Serviceanleitung ist nur in englischer Sprache verfügbar. • Falls der Kundendienst eine andere Sprache benötigt, muss er für eine entsprechende Übersetzung sorgen. • Keine Wartung durchführen, ohne diese Serviceanleitung gelesen und verstanden zu haben. • Bei Zuwiderhandlung kann es zu Verletzungen des Kundendiensttechnikers, des Anwenders oder des Patienten durch Stromschläge, mechanische oder sonstige Gefahren kommen.
ΠΡΟΕΙΔΟΠΟΙΗΣΗ (GR)	Το παρόν εγχειρίδιο σέρβις διατίθεται στα αγγλικά μόνο. • Εάν το άτομο παροχής σέρβις ενός πελάτη απαιτεί το παρόν εγχειρίδιο σε γλώσσα εκτός των αγγλικών, αποτελεί ευθύνη του πελάτη να παρέχει υπηρεσίες μετάφρασης. • Μην επιχειρήσετε την εκτέλεση εργασιών σέρβις στον εξοπλισμό εκτός εάν έχετε συμβουλευτεί και έχετε κατανοήσει το παρόν εγχειρίδιο σέρβις. • Εάν δεν λάβετε υπόψη την προειδοποίηση αυτή, ενδέχεται να προκληθεί τραυματισμός στο άτομο παροχής σέρβις, στο χειριστή ή στον ασθενή από ηλεκτροπληξία, μηχανικούς ή άλλους κινδύνους.
FIGYELMEZTETÉS (HU)	Ez a szerviz kézikönyv kizárólag angol nyelven érhető el. • Ha a vevő szerviz ellátója angoltól eltérő nyelvre tart igényt, akkor a vevő felelőssége a fordítás elkészítése. • Ne próbálja elkezdni használni a berendezést, amíg a szerviz kézikönyvben leírtakat nem értelmezték és értették meg. • Ezen figyelmeztetés figyelmen kívül hagyása a szerviz ellátó, a működtető vagy a páciens áramütés, mechanikai vagy egyéb veszélyhelyzet miatti sérülését eredményezheti.
ADVÖRUN (IS)	Þessi þjónustuhandbók er eingöngu fáanleg á ensku. • Ef að þjónustuveitandi viðskiptamanns þarfnast annars tungumáls en ensku, er það skylda viðskiptamanns að skaffa tungumálþjónustu. • Reynið ekki að afgreiða tækið nema þessi þjónustuhandbók hefur verið skoðuð og skilin. • Brot á að sinna þessari aðvörun getur leitt til meiðsla á þjónustuveitanda, stjórnanda eða sjúklingi frá raflosti, vélrænum eða öðrum áhættum.
PERINGATAN (ID)	Manual servis ini hanya tersedia dalam bahasa Inggris. • Jika penyedia jasa servis pelanggan memerlukan bahasa lain selain dari Bahasa Inggris, merupakan tanggung jawab dari penyedia jasa servis tersebut untuk menyediakan terjemahannya. • Jangan mencoba melakukan servis terhadap perlengkapan kecuali telah membaca dan memahami manual servis ini. • Mengabaikan peringatan ini bisa mengakibatkan cedera pada penyedia servis, operator, atau pasien, karena terkena kejut listrik, bahaya mekanis atau bahaya lainnya.

Service Manual Language Information (cont'd.)

AVVERTENZA (IT)	Il presente manuale di manutenzione è disponibile soltanto in Inglese. - Se un addetto alla manutenzione richiede il manuale in una lingua diversa, il cliente è tenuto a provvedere direttamente alla traduzione. - Si proceda alla manutenzione dell'apparecchiatura solo dopo aver consultato il presente manuale ed averne compreso il contenuto. - Il non rispetto della presente avvertenza potrebbe far compiere operazioni da cui derivino lesioni all'addetto, alla manutenzione, all'utilizzatore ed al paziente per folgorazione elettrica, per urti meccanici od altri rischi.
警告 (JA)	このサービスマニュアルは英語版しかありません。 - サービスを担当される業者が英語以外の言語を要求される場合、翻訳作業はその業者の責任で行うものとさせていただきます。 - このサービスマニュアルを熟読し、十分に理解をした上で装置のサービスを行ってください。 - この警告に従わない場合、サービスを担当される方、操作員あるいは患者が、感電や機械的又はその他の危険により負傷する可能性があります。
경고 (KO)	본 서비스 지침서는 영어로만 이용하실 수 있습니다. - 고객의 서비스 제공자가 영어 이외의 언어를 요구할 경우, 번역 서비스를 제공하는 것은 고객의 책임입니다. - 본 서비스 지침서를 참고했고 이해하지 않는 한은 해당 장비를 수리하려고 시도하지 마십시오. - 이 경고에 유의하지 않으면 전기 쇼크, 기계상의 혹은 다른 위험으로부터 서비스 제공자, 운영자 혹은 환자에게 위험을 가할 수 있습니다.
BRĪDINĀJUMS (LV)	Šī apkalpotāju rokasgrāmata ir pieejama tikai angļu valodā. - Ja apkalpošanas sniedzējam nepieciešama informācija citā, nevis angļu, valodā, klienta pienākums ir nodrošināt tās tulkošanu. - Neveiciet aprīkojuma apkopi, neizlasot un nesaprotot apkalpotāju rokasgrāmatu. - Šī brīdinājuma neievērošana var radīt elektriskās strāvas trieciena, mehānisku vai citu risku izraisītu traumu apkopes sniedzējam, operatoram vai pacientam.
ĮSPĖJIMAS (LT)	Šis eksploataavimo vadovas yra prieinamas tik anglų kalba. - Jei kliento paslaugų tiekėjas reikalauja vadovo kita kalba - ne anglų, numatyti vertimo paslaugas yra kliento atsakomybė. - Nemėginkite atlikti įrangos techninės priežiūros, nebent atsižvelgėte į šį eksploataavimo vadovą ir jį supratote. - Jei neatkreipsite dėmesio į šį perspėjimą, galimi sužalojimai dėl elektros šoko, mechaninių ar kitų paslaugų tiekėjui, operatoriui ar pacientui.
ADVARSEL (NO)	Denne servicehåndboken finnes bare på engelsk. - Hvis kundens serviceleverandør trenger et annet språk, er det kundens ansvar å sørge for oversettelse. - Ikke forsøk å reparere utstyret uten at denne servicehåndboken er lest og forstått. - Manglende hensyn til denne advarselen kan føre til at serviceleverandøren, operatøren eller pasienten skades på grunn av elektrisk støt, mekaniske eller andre farer.

Service Manual Language Information (cont'd.)

OSTRZEŻENIE (PL)	Niniejszy podręcznik serwisowy dostępny jest jedynie w języku angielskim. • Jeśli dostawca usług klienta wymaga języka innego niż angielski, zapewnienie usługi tłumaczenia jest obowiązkiem klienta. • Nie należy serwisować wyposażenia bez zapoznania się i zrozumienia niniejszego podręcznika serwisowego. • Niezastosowanie się do tego ostrzeżenia może spowodować urazy dostawcy usług, operatora lub pacjenta w wyniku porażenia elektrycznego, zagrożenia mechanicznego bądź innego.
AVISO (PT-BR)	Este manual de assistência técnica só se encontra disponível em inglês. • Se o serviço de assistência técnica do cliente não for GE, e precisar de outro idioma, será da responsabilidade do cliente fornecer os serviços de tradução. • Não tente reparar o equipamento sem ter consultado e compreendido este manual de assistência técnica. • O não cumprimento deste aviso pode por em perigo a segurança do técnico, operador ou paciente devido a choques elétricos, mecânicos ou outros.
AVISO (PT-PT)	Este manual técnico só se encontra disponível em inglês. • Se a assistência técnica do cliente solicitar estes manuais noutro idioma, é da responsabilidade do cliente fornecer os serviços de tradução. • Não tente reparar o equipamento sem ter consultado e compreendido este manual técnico. • O não cumprimento deste aviso pode provocar lesões ao técnico, ao utilizador ou ao paciente devido a choques eléctricos, mecânicos ou outros.
AVERTISMENT (RO)	Acest manual de service este disponibil numai în limba engleză. • Dacă un furnizor de servicii pentru clienți necesită o altă limbă decât cea engleză, este de datoria clientului să furnizeze o traducere. • Nu încercați să reparați echipamentul decât ulterior consultării și înțelegerii acestui manual de service. • Ignorarea acestui avertisment ar putea duce la rănirea depănatorului, operatorului sau pacientului în urma pericolelor de electrocutare, mecanice sau de altă natură.
ПРЕДУПРЕЖДЕНИЕ (RU)	Настоящее руководство по обслуживанию предлагается только на английском языке. • Если сервисному персоналу клиента необходимо руководство не на английском, а на каком-то другом языке, клиенту следует обеспечить перевод самостоятельно. • Прежде чем приступать к обслуживанию оборудования, обязательно обратитесь к настоящему руководству и внимательно изучите изложенные в нем сведения. • Несоблюдение требований данного предупреждения может привести к тому, что специалисты по обслуживанию, операторы или пациенты получат удар электрическим током, механическую травму или другое повреждение.
UPOZORENJE (SR)	Ovo servisno uputstvo je dostupno samo na engleskom jeziku. • Ako klijentov serviser zahteva neki drugi jezik, klijent je dužan da obezbedi prevodilačke usluge. • Ne pokušavajte da opravite uređaj ako niste pročitali i razumeli ovo servisno uputstvo. • Zanemarivanje ovog upozorenja može dovesti do povređivanja serviser, rukovaoca ili pacijenta usled strujnog udara, ili mehaničkih i drugih opasnosti.

Service Manual Language Information (cont'd.)

VAROVANIE (SK)	Tento návod na obsluhu je k dispozícii len v angličtine. • Ak zákazníkovi poskytovateľ služieb vyžaduje iný jazyk ako angličtinu, poskytnutie prekladateľských služieb je zodpovednosťou zákazníka. • Nepokúšajte sa o obsluhu zariadenia skôr, ako si neprečítate návod na obsluhu a neporozumiete mu. • Zanedbanie tohto varovania môže vyústiť do zranenia poskytovateľa služieb, obsluhujúcej osoby alebo pacienta elektrickým prúdom, mechanickým alebo iným nebezpečenstvom.
OPOZORILO (SL)	Ta servisni priročnik je na voljo samo v angleškem jeziku. • Če ponudnik storitve stranke potrebuje priročnik v drugem jeziku, mora stranka zagotoviti prevod. • Ne poskušajte servisirati opreme, če tega priročnika niste v celoti prebrali in razumeli. • Če tega opozorila ne upoštevate, se lahko zaradi električnega udara, mehanskih ali drugih nevarnosti poškoduje ponudnik storitev, operater ali bolnik.
ADVERTENCIA (ES)	Este manual de servicio sólo existe en inglés. • Si el encargado de mantenimiento de un cliente necesita un idioma que no sea el inglés, el cliente deberá encargarse de la traducción del manual. • No se deberá dar servicio técnico al equipo, sin haber consultado y comprendido este manual de servicio. • La no observancia del presente aviso puede dar lugar a que el proveedor de servicios, el operador o el paciente sufran lesiones provocadas por causas eléctricas, mecánicas o de otra naturaleza.
VARNING (SV)	Den här servicehandboken finns bara tillgänglig på engelska. • Om en kunds servicetekniker har behov av ett annat språk än engelska ansvarar kunden för att tillhandahålla översättningstjänster. • Försök inte utföra service på utrustningen om du inte har läst och förstår den här servicehandboken. • Om du inte tar hänsyn till den här varningen kan det resultera i skador på serviceteknikern, operatören eller patienten till följd av elektriska stötar, mekaniska faror eller andra faror.
UYARI (TR)	Bu servis kılavuzunun sadece İngilizcesi mevcuttur. • Eğer müşteri teknisyeni bu kılavuzu İngilizce dışında bir başka lisandan talep ederse, bunu tercüme ettirmek müşteriye düşer. • Servis kılavuzunu okuyup anlamadan ekipmanlara müdahale etmeyiniz. • Bu uyarıya uyulmaması, elektrik, mekanik veya diğer tehlikelerden dolayı teknisyen, operatör veya hastanın yaralanmasına yol açabilir.

Service Manual Language Information (cont'd.)

ЗАСТЕРЕЖЕННЯ (UK)	Дане керівництво з сервісного обслуговування постачається виключно англійською мовою. • Якщо сервісний інженер потребує керівництво іншою мовою, користувач зобов'язаний забезпечити послуги перекладача. • Не намагайтеся здійснювати технічне обслуговування даного обладнання, якщо ви не читали, або не зрозуміли інформацію, надану в керівництві з сервісного обслуговування. • Недотримання цього застереження може призвести до травмування сервісного інженера, користувача даного обладнання або пацієнта внаслідок електричного шоку, механічного ушкодження або з інших причин невірної обслуговування обладнання.
CẢNH BÁO (VI)	Tài Liệu Hướng Dẫn Sửa Chữa chỉ có bản tiếng Anh. • Nếu các đơn vị cung cấp dịch vụ cho khách hàng yêu cầu một ngôn ngữ nào khác tiếng Anh, thì khách hàng sẽ có trách nhiệm cung cấp các dịch vụ dịch thuật. • Không được sửa chữa thiết bị trừ khi đã tham khảo và hiểu Tài liệu Hướng dẫn Sửa chữa. • Không tuân thủ những cảnh báo này có thể dẫn đến các tổn thương cho người thực hiện sửa chữa, người vận hành hay bệnh nhân, do sốc điện, các rủi ro về cơ khí hay các rủi ro khác.

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Barcode Holder, PN 2056240-001	44
CAM14 Acquisition Arm/Bracket Assembly, PN 2056231-001	45
Multi-Link Acquisition Arm/Bracket Assembly, PN 2056233-001	46
Value Acquisition Arm/Bracket Assembly, PN 2056234-001	47
NEHB Acquisition Arm/Bracket Assembly, PN 2056232-001	48
Modular MAC Trolley Short Column, PN 2056478-001	49
MAC 1600 Trolley Short Column, PN 2056479-001	49
MAC 1600 Acquisition Mounting Bracket, PN 2057392-001	50
Modular MAC KISS Mounting Collar, PN 2056239-001	50
KISS Pump Bracket, PN 2057374-001	51
Wireless Cover Bracket Kit, PN 2056227-001	51

Introduction

This manual provides component, maintenance, and servicing information on the MAC ECG Trolleys.

Intended Use

The MAC ECG Trolley will provide a means whereby MAC ECG Analysis Systems can be transported within a hospital, clinic, or physician office setting. Additionally, the trolley will be used to transport all supplies and accessories used by clinicians to prepare patients for the ECG exam, acquire ECG data, and transmit ECG data to a storage system.

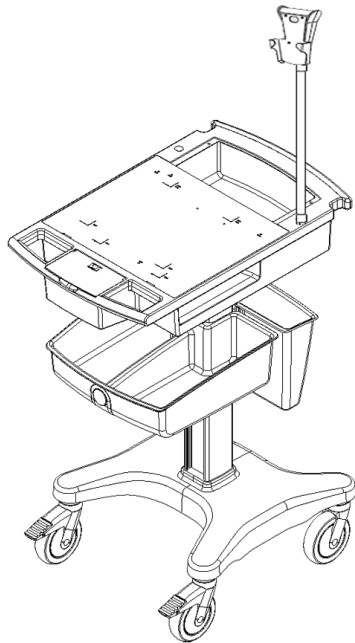
Intended User

The MAC ECG Trolleys are intended to be used by personnel qualified to carry a MAC device and accessories to patient locations within a hospital or other medical facility.

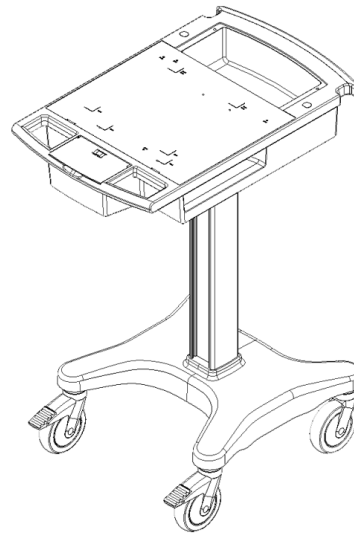
Product Description

The MAC ECG Trolleys are used to transport a MAC device and accessories to patient locations in a hospital or other medical facility.

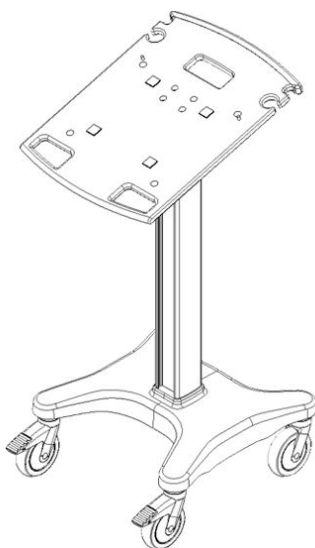
The following trolleys are available:



PN 2055478-001 Modular MAC Trolley
Fully assembled
2 swivel, 2 non-swivel casters
Front Bin
Rear Bin
CAM14 Acquisition Flex Arm



PN 2055479-001 Modular MAC Trolley
Partially assembled
2 swivel, 2 non-swivel casters



PN 2055853-001 MAC 1600 Trolley
Partially assembled
2 swivel, 2 non-swivel casters

All trolleys provide a stable, reliable conveyance for the MAC device and accessories. Accessory bins, equipment mounting arms, and a wireless communications option are available to customize the trolley.

Manual Information

This section provides information for the correct use of this manual.

Keep this manual with the equipment at all times and review it periodically. You should request training assistance from GE Healthcare, if needed.

Intended Audience

The *MAC™ ECG Trolley Service Manual* is intended for use by the following personnel:

- Qualified GE Healthcare Service Engineers
- Biomedical Technicians
- Maintenance Engineer

Related Documents

You can find additional information in the following documents:

Documents Related to the MAC™ ECG Trolley Service Manual

Part Number	Document Title
2056914-001	Modular MAC™Trolley Assembly Instructions
2056914-002	Modular MAC™Trolley Assembly Instructions
2056915-001	MAC™1600 Trolley Assembly Instructions

Equipment Overview

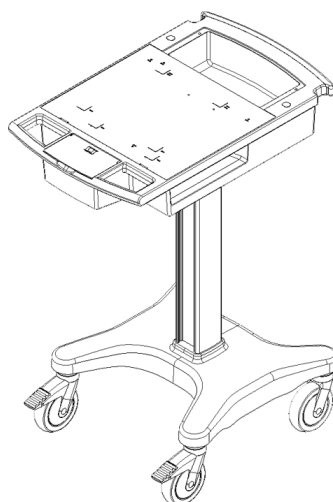
This chapter provides an overview of the MAC ECG Trolleys and available accessories.

Physical Characteristics

This section describes the physical characteristics of the Modular MAC Trolley and the MAC1600 Trolley.

Modular MAC Trolley Characteristics

The following image shows an assembled Modular MAC Trolley without bins or accessories. Use this picture for reference when installing trolley options.



Specifications for the Modular MAC Trolley

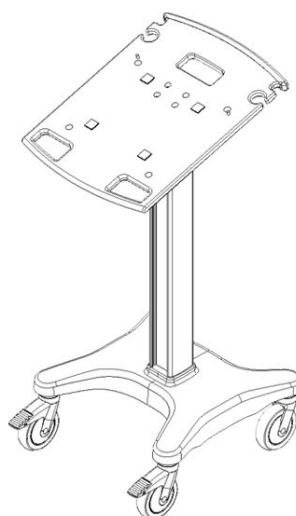
Feature	Specification
Width	19.50 inches (49.53 cm) wide
Length	23.02 inches (58.47 cm) long
Height	37.20 inches (94.48 cm) from the floor

Specifications for the Modular MAC Trolley (cont'd.)

Feature	Specification
Handle Height	36.60 inches (92.96 cm) from the floor
Handle Height (shortened column)	33.60 inches (85.34 cm) from the floor
Static Control	Floors should be wood, concrete, or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%. The trolley is manufactured with a drag cable to reduce ESD build up, but in certain environments static may still build up.
ECG Devices Supported	MAC 1200 MAC 1600 MAC 3500 MAC 5500
Wheel Options	Front: swiveling Rear: swiveling or non-swiveling with breaks

MAC 1600 Trolley Characteristics

The following image shows an assembled MAC 1600 Trolley without bins or accessories. Use this picture for reference when installing trolley options.



Specifications for the MAC 1600 Trolley

Feature	Specification
Width	19.50 inches (49.53 cm) wide
Length	23.02 inches (58.47 cm) long
Height	42.82 inches (108.87 cm) from the floor
Handle Height	36.36 inches (92.36 cm) from the floor

Specifications for the MAC 1600 Trolley (cont'd.)

Feature	Specification
Handle Height (shortened column)	33.36 inches (84.74 cm) from the floor
Static Control	Floors should be wood, concrete, or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%. The trolley is manufactured with a drag cable to reduce ESD build up, but in certain environments static may still build up.
ECG Device Supported	MAC 1600
Wheels	4 wheel swivel

Accessories

The following table shows available accessories.

Accessory	MAC Modular Trolley Fully-Assembled PN 2055478-001	MAC Modular Trolley Semi-Assembled PN 2055479-001	MAC 1600 Trolley PN 2055853-001
Front Bin	Included	Optional	Optional
Rear Bin	Included	Optional	Optional
Barcode Holder	Optional	Optional	Optional
CAM14 Acquisition Arm/Bracket Assembly	Included	Optional	Not Available
Multilink Acquisition Arm/Bracket Assembly	Optional	Optional	Optional
Value Acquisition Arm/Bracket Assembly	Optional	Optional	Optional
NEHB Acquisition Arm/Bracket Assembly	Optional	Optional	Optional
Modular MAC Trolley Short Column	Optional	Optional	Not available
MAC 1600 Short Column	Not available	Not available	Optional
KISS Mounting Collar	Not Available	Optional	Not Available
KISS Mounting Bracket	Not Available	Optional	Not Available
Wireless Door Bracket Kit	Optional	Optional	Not available
MAC 1600 Trolley Acquisition Bracket	Not Available	Not Available	Optional

Maintenance

Regular maintenance, irrespective of usage, is essential to ensure that the equipment will always be functional when required.

WARNING:

Failure on the part of all responsible individuals, hospitals or institutions, employing the use of this device, to implement the recommended maintenance schedule may cause equipment failure and possible health hazards. The manufacturer does not in any manner, assume the responsibility for performing the recommended maintenance schedule, unless an Equipment Maintenance Agreement exists. The sole responsibility rests with the individuals, hospitals, or institutions utilizing the device.

Cleaning

Clean the trolley with the following chemical solutions:

- Isopropyl Alcohol (91%),
- Bleach (10%), or
- Germicidal Disposable Wipe (Sani-Cloth® HB).

These chemicals may not be compatible with plastics on the MAC device. Refer to the device's service manual for cleaning instructions appropriate for the device.

Required Tools and Supplies

The following table lists the tools that may be required to perform the procedures described in this chapter.

Screwdrivers

- #20 Torx
- #25 Torx
- #1 Phillips
- #2 Phillips
- #4 Phillips

Hex Keys

- 1/8" (supplied)
- 3/32"
- M6

Socket Wrenches

- 1/4" (socket, box, open)
- 1/2" (GCX, supplied)

FRU (Field Replaceable Units) Replacement Procedures

NOTE:

For installation or replacement of accessories, refer to the trolley's assembly instructions. Refer to [“Related Documents” on page 13](#) for a list of the assembly instructions.

Always perform the following steps before tipping the trolley for maintenance.

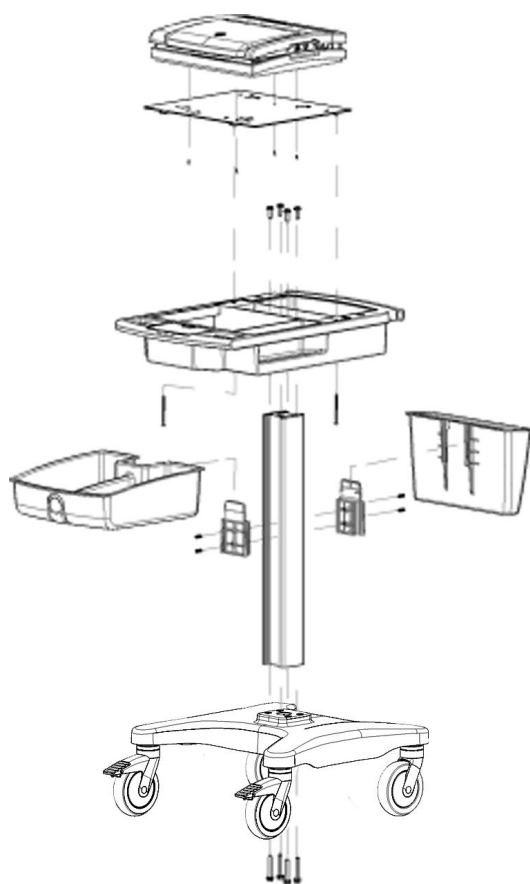
1. Disconnect power cables.
2. Remove the MAC unit from the trolley to avoid damage.
3. Remove all other equipment and accessories from the trolley.

Exploded Views

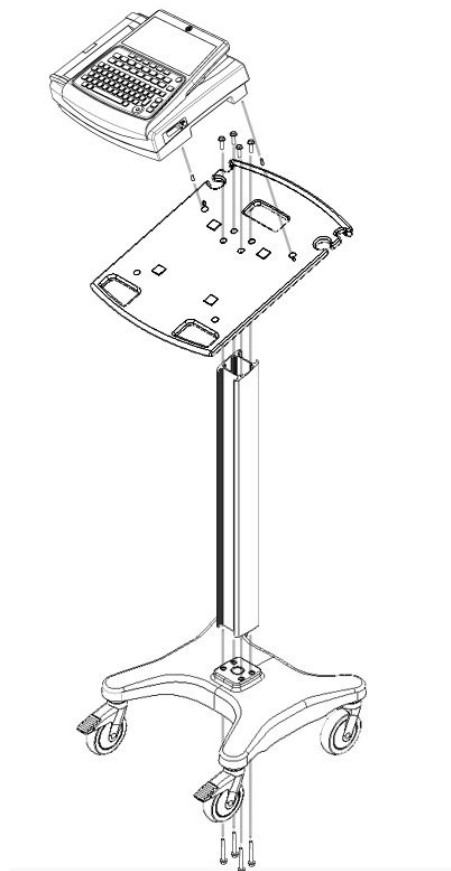
The following illustrations show exploded views of the trolleys that can be used as reference during maintenance procedures. Both illustrations show the trolleys with MAC devices installed.

NOTE:

The MAC device needs to be removed from the trolley for service and/or maintenance procedures. The installation of MAC units may vary slightly.



Modular MAC Trolley



MAC 1600 Trolley

Removing the MAC Unit from the Modular MAC Trolley

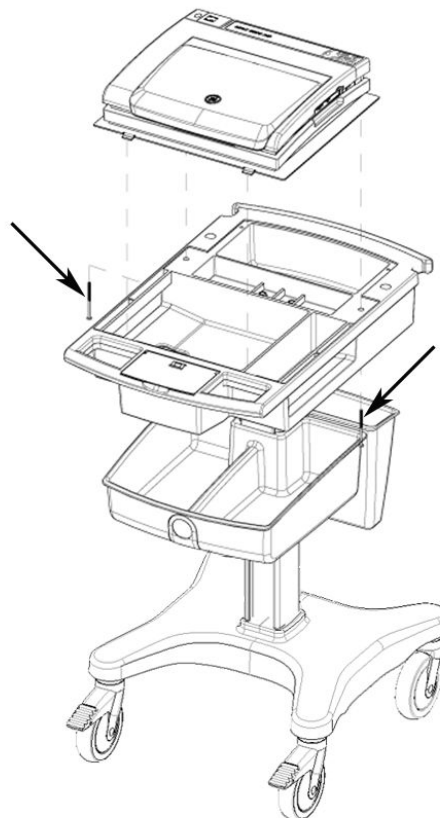
The MAC device should be removed from the trolley for service and/or maintenance procedures. For this procedure, you will need a #2 Phillips screwdriver.

To remove the MAC unit from the Modular MAC Trolley, use the following procedure:

1. Use a #2 Phillips screwdriver to remove the two PHMS screws that secure the MAC mounting plate to the molded top.

NOTE:

The screws enter the assembly through the underside of the molded top.



Retain the screws for later reattachment of the MAC to the trolley.

2. Securely grasp the back of the MAC unit and tilt it to a 30 degree angle.
3. Slide the MAC unit away from you, out of the mounting slots, and off of the trolley.
4. Carefully set the MAC unit on a firm surface.
5. Perform the required maintenance.
6. Slide the MAC unit onto the top of the trolley by tilting it to 30 degrees and slipping the tabs of the mounting plate into the slots at the front of the trolley.
7. Ease the MAC unit down onto the molded top so it fits snugly into the mount.

8. Using the #2 Phillips screwdriver, insert the two PHMS screws that secure the molded top to the underside of the MAC mounting plate.
9. Replace the equipment that was removed and reconnect power cables to the equipment on the trolley.

Removing the MAC Unit from the MAC 1600 Trolley

The MAC device should be removed from the trolley for service and/or maintenance procedures. No tools are required for this procedure.

To remove the device from the MAC 1600 Trolley, use the following procedure:

1. Firmly grasp the top side of the MAC 1600 device, pull upwards to release the dual lock fasteners, and lift the MAC 1600 device off of the two centering pegs on the top of the trolley.



2. Carefully set the MAC 1600 unit on a firm surface.
3. Perform the required maintenance.
4. Position the MAC 1600 device over the centering pegs and dual lock fasteners.
5. Ease the MAC unit down onto the top so it fits snugly onto the pegs and dual lock fasteners.
6. Press firmly over the fasteners to attach the device securely.
7. Replace the equipment that was removed and reconnect power cables to the equipment on the trolley.

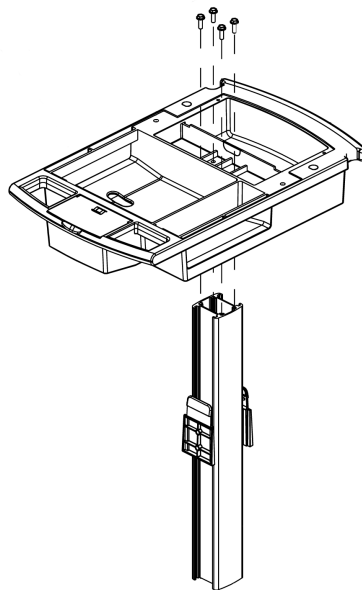
Replacing the Modular or MAC 1600 Top

This procedure applies to all trolley styles.

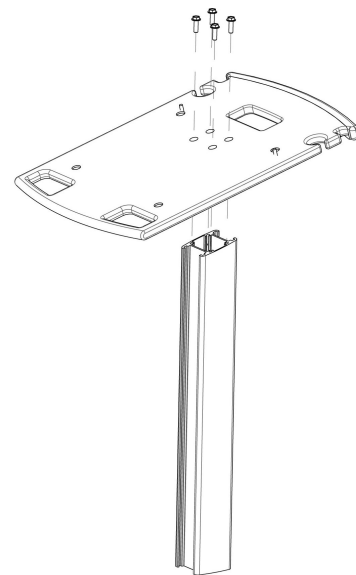
Before removing the top from the trolley column, the MAC unit needs to be removed. See [“Removing the MAC Unit from the Modular MAC Trolley” on page 22](#) for instructions on removing the MAC from the Modular MAC Trolley. See [“Removing the MAC Unit from the MAC 1600 Trolley” on page 23](#) for instructions on removing the MAC from the MAC 1600 Trolley.

Once the MAC unit is removed, use the following procedure to remove the trolley top.

1. Using the 1/2" socket wrench supplied with the trolley, remove the four 5/16-18 x 1" flanged HHCS that secure the top to the trolley column.



Top for Modular MAC Trolley



Top for MAC 1600 Trolley

Retain the screws for later reattachment of the top to the column.

2. Remove the top from the column.
3. Perform the required maintenance.
4. Position the top over the column and align the holes with the holes in the column.
5. Using the 1/2" socket wrench supplied with the trolley, insert the four 5/16-18 x 1" flanged HHCS and tighten the hardware.
6. After attaching the top to the trolley column, reattach the MAC unit.
 - See [“Removing the MAC Unit from the Modular MAC Trolley” on page 22](#) for instructions on replacing the device on the Modular MAC Trolley.
 - See [“Removing the MAC Unit from the MAC 1600 Trolley” on page 23](#) for instructions on replacing the device on the MAC 1600 Trolley.
7. Replace the equipment that was removed and reconnect power cables to the equipment on the trolley.

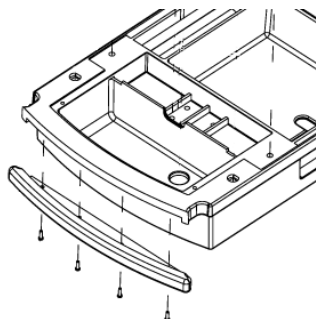
Replacing the Front Bumper

This procedure applies to all trolley styles.

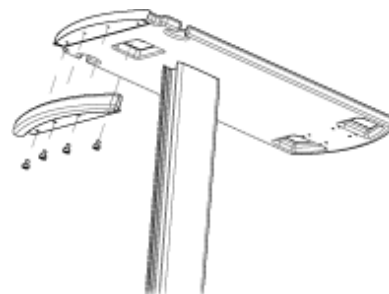
For this procedure, you will need a #20 Torx screwdriver.

To remove the bumper from the Modular MAC Trolley, use the following procedure:

1. Using the T-20 Torx screwdriver, remove the four screws from the underside of the bumper.



Bumper for Modular MAC Trolley



Bumper for MAC 1600 Trolley

2. Remove and discard the bumper.
If the screws are undamaged, retain them to use on the new bumper.
3. Place the new bumper into position on the trolley top.
4. Line up the bumper screws with the holes in the trolley and, using the T-20 Torx screwdriver, tighten the four screws to secure the bumper to the trolley.

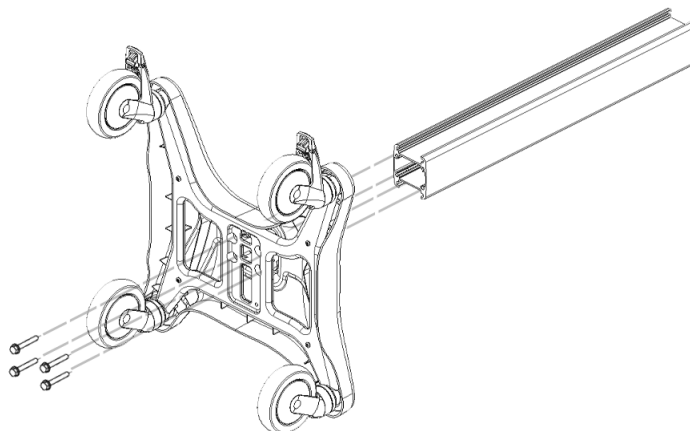
Replacing the Trolley Column

This procedure applies to all trolley styles.

Before removing the trolley column from the base, remove the MAC unit and accessories from the column. If it is necessary to remove the top from the trolley, see ["Replacing the Modular or MAC 1600 Top" on page 24](#) for instructions.

Once the MAC unit and the top (if necessary) are removed, use the following instructions to replace the trolley column.

1. Remove the bins and carefully lay the trolley assembly flat on its back on a smooth, padded surface.
This will avoid scratches or other damage to the trolley.
2. Using the 1/2" socket wrench supplied with the trolley, remove the four 5/16-18 x 2.25" flanged HHCS that secure the trolley column to the base.



This illustration applies to all trolley styles.

Retain the screws for later reattachment of the column to the base.

3. Position the new column over the base and align the holes with the holes in the base.

NOTE:

For the MAC 1600 Trolley, position the column so the angled cut on the top of the column slopes toward the casters with the brakes.

4. Using the 1/2" socket wrench supplied with the trolley, insert the four 5/16-18 x 2.25" flanged HHCS and tighten the hardware.
5. If you removed the trolley top, reattach it.
See ["Replacing the Modular or MAC 1600 Top " on page 24](#) for details.
6. After attaching the top to the trolley column, reattach the MAC device.
 - For the Modular MAC Trolley, see ["Removing the MAC Unit from the Modular MAC Trolley" on page 22](#) for instructions on reattaching the MAC device.
 - For the MAC 1600 Trolley, see ["Removing the MAC Unit from the MAC 1600 Trolley" on page 23](#) for instructions on reattaching the MAC device.
7. Replace the equipment that was removed and reconnect power cables to the equipment on the trolley.

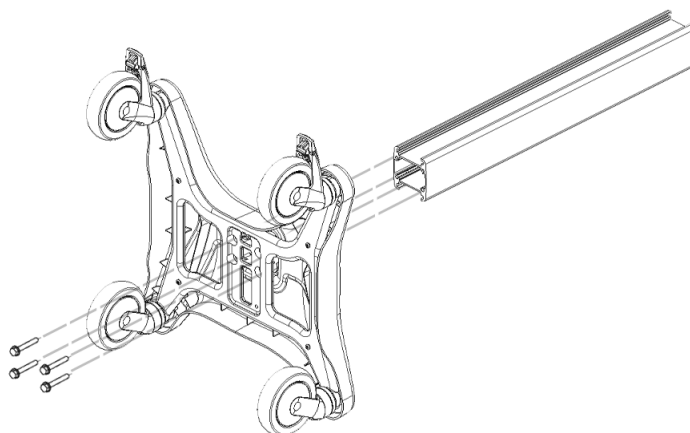
Replacing the Trolley Base

This procedure applies to all trolley styles.

Before removing the base, remove the MAC unit and accessories from the trolley. See ["Removing the MAC Unit from the Modular MAC Trolley" on page 22](#) for instructions on replacing the MAC unit to the Modular MAC Trolley. See ["Removing the MAC Unit from the MAC 1600 Trolley" on page 23](#) for instructions on replacing the MAC unit to the 1600 Trolley.

Once the MAC unit is removed, use the following instructions to replace the base.

1. Remove the bins and carefully lay the trolley assembly flat on its back on a smooth, padded surface.
This will avoid scratches or other damage to the trolley.
2. Using the 1/2" socket wrench supplied with the trolley, remove the four 5/16-18 x 2.25" flanged HHCS that secure the trolley column to the base.



This illustration applies to all trolley styles.

Retain the screws for later reattachment of the base.

3. Position the column over the new base and align the holes with the holes in the base.

NOTE:

For the MAC 1600 Trolley, position the column so the angled cut on the top of the column slopes toward the casters with the brakes.

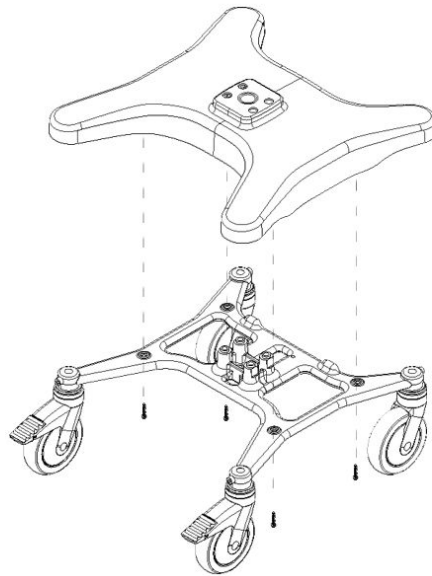
4. Using the 1/2" socket wrench supplied with the trolley, insert the 5/16-18 x 2.25" flanged HHCS and tighten the hardware.
5. Replace the equipment that was removed and reconnect power cables to the equipment on the trolley.

Replacing the Base Cover

This procedure applies to all trolley styles.

Remove the base from the trolley as instructed in [“Replacing the Trolley Base” on page 26](#).

1. Use a #25 Torx screwdriver to remove the 4 Plastite screws that secure the base cover to the base.



Retain the screws for later reattachment of the base cover.

2. Replace the base cover with the new cover.
3. Using a #25 Torx screwdriver, insert the 4 Plastite screws that secure the base cover to the base.

Replacing Casters on the Modular MAC Trolley

This procedure applies only to the Modular MAC Trolley. For instructions on removing the casters from the MAC 1600 Trolley, refer to [“Replacing Casters on the MAC 1600 Trolley” on page 29](#).

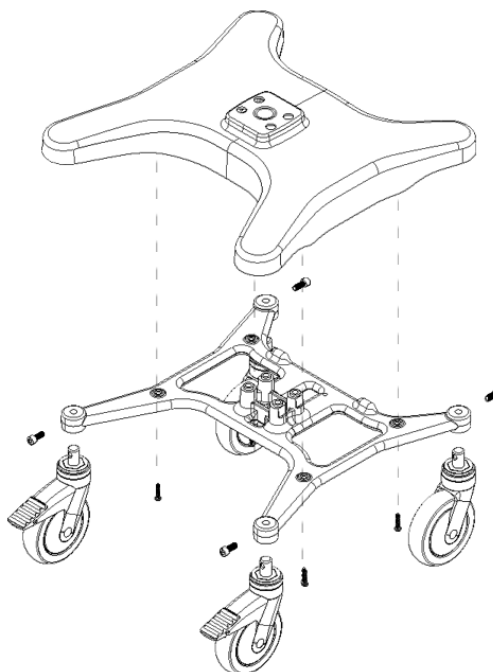
Before removing the base, remove the MAC unit and accessories from the trolley. See [“Removing the MAC Unit from the Modular MAC Trolley” on page 22](#) for instructions on replacing the MAC unit to the Modular MAC Trolley.

For this procedure, you will need a M6 hex key.

To remove the casters from the Modular MAC Trolley, use the following procedure to replace the casters:

1. Carefully lay the trolley flat on its back on a smooth, padded surface.
This will avoid scratches or other damage to the trolley.
2. Remove the base from the column.
See [“Replacing the Trolley Base” on page 26](#) for instructions.

3. Remove the cover from the base.
See [“Replacing the Base Cover ” on page 28](#) for instructions.
4. Remove the hex nut from the caster to be replaced.
Discard the caster. If the hex nut is undamaged, it can be retained to use on the new caster.



5. Repeat this procedure for the other casters.
6. Reverse the disassembly procedures to reassembly the trolley.
7. Reattach the MAC device and trolley options.

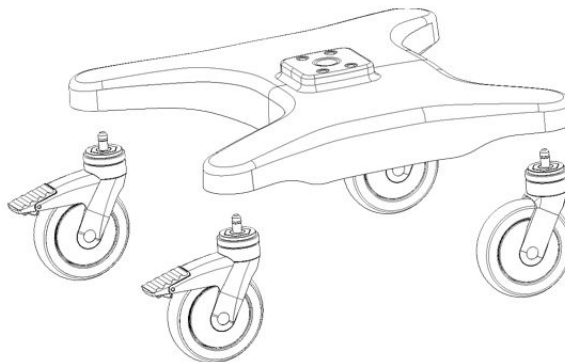
Replacing Casters on the MAC 1600 Trolley

This procedure applies only to the MAC 1600 Trolley. For instructions on removing the casters from the Modular MAC Trolley, refer to [“Replacing Casters on the Modular MAC Trolley” on page 28](#).

Before removing the base, remove the MAC unit and accessories from the trolley. See [“Removing the MAC Unit from the MAC 1600 Trolley” on page 23](#) for instructions on replacing the MAC unit to the MAC 1600 Trolley.

Once the MAC unit is removed, use the following instructions to replace the casters.

1. Carefully lay the trolley upside down on its top on a smooth, padded surface. This will avoid scratches or other damage to the trolley.
2. Pull off the casters using a side-to-side motion.



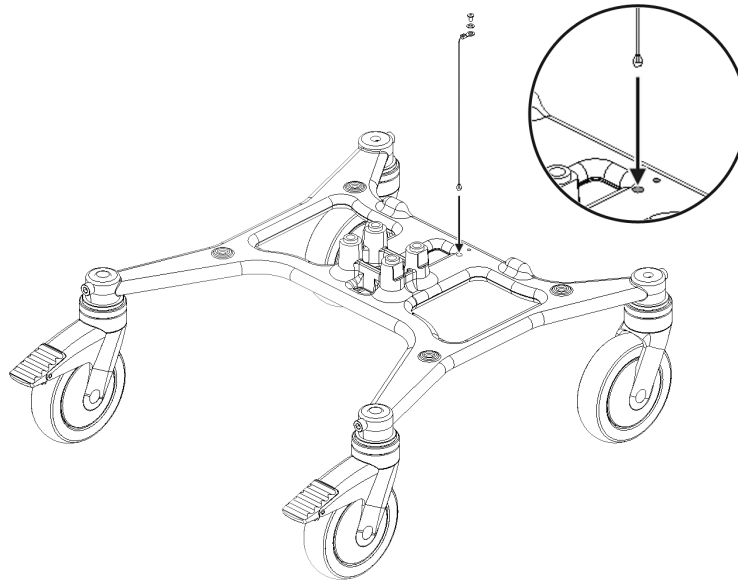
3. Press the new casters back into the base.
4. Reattach the device and the trolley options.

Replacing the Anti-Static Strap

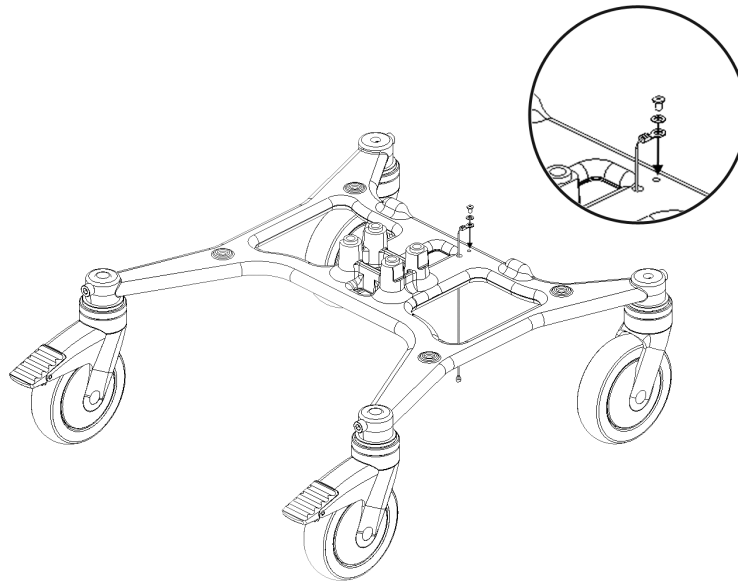
This procedure applies to all trolley styles.

1. Remove the MAC unit from the trolley.
For the Modular MAC Trolley, see [“Removing the MAC Unit from the Modular MAC Trolley” on page 22](#) for instructions.
For the MAC 1600 Trolley, see [“Removing the MAC Unit from the MAC 1600 Trolley” on page 23](#) for instructions.
2. Remove the base from the trolley.
For both trolley types, see [“Replacing the Trolley Base” on page 26](#) for instructions.
3. Remove the cover from the base.
For both trolley types, see [“Replacing the Base Cover ” on page 28](#) for instructions.

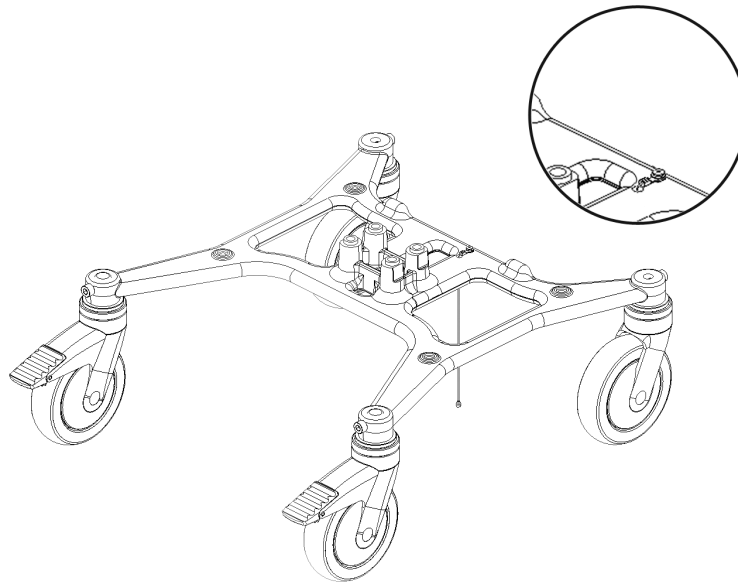
4. Lower the weighted end of the ESD Braid through the designated opening, as shown in the following illustration.



5. Position the ESD Braid's eyelet, washer, and screw as shown in the following illustration.



6. Fasten the ESD Braid to the trolley base as shown in the following illustration.



7. Reattach the cover to the base.
For both trolley types, see [“Replacing the Base Cover ” on page 28](#) for instructions.
8. Reattach the base to the trolley.
For both trolley types, see [“Replacing the Trolley Base” on page 26](#) for instructions.
9. Reattach the MAC unit to the trolley.
For the Modular MAC Trolley, see [“Removing the MAC Unit from the Modular MAC Trolley” on page 22](#) for instructions.
For the MAC 1600 Trolley, see [“Removing the MAC Unit from the MAC 1600 Trolley” on page 23](#) for instructions.

Functional Checkout

After replacing any of the FRUs or accessories on the trolley, perform a visual inspection to insure the integrity of the assembly. Ensure that fasteners have been replaced and are secured.

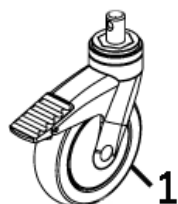
Parts Lists

The FRU parts lists in this chapter supply enough detail for you to order parts for the assemblies, stand-alone FRUs, and FRU kits considered to be field serviceable. Only items assemblies and kits which have part numbers given in this chapter are available for purchase as FRUs. To order parts, contact GE Healthcare Service Parts.

Field Replaceable Units (FRUs)

The Field Replacement Unit (FRU) list contains information on which parts are considered serviceable.

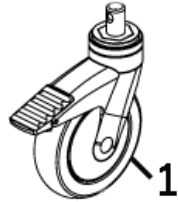
Modular MAC Trolley 2W Swivel Caster FRU Kit, PN 2056235-001



Modular MAC Trolley 2W Swivel Caster FRU Kit, PN 2056235-001

Item	Part Description	Qty
1	5395 Series Fixed Locking 125mm	2
2	5327 Series Tente Swvl. No Lk 125mm	2
Not shown	Screw M8 x 1.25, 20mm	4
Not shown	Screw Plastite #10 x 1"	4

Modular MAC Trolley 4W Swivel Caster FRU Kit, PN 2056854-001



Modular MAC Trolley 4W swivel Caster FRU Kit, PN 2056854-001

Item	Part Description	Qty
1	5327 Series Tente, Swvl, braking, 125mm	2
2	5327 Series Tente Swvl. No Lk, 125mm	2
Not shown	Screw M8 x 1.25, 20mm	4
Not shown	Screw Plastite #10 x 1"	4

Mac 1600 Trolley 4W Swivel Caster FRU Kit, PN 2063962-001



Mac 1600 Trolley 4W Swivel Caster FRU Kit, PN 2063962-001

Item	Part Description	Qty
1	Caster Swivel, 125mm Diameter, Stem Mount, with Brake	2
2	Caster Swivel, 125mm Diameter, Stem Mount	2

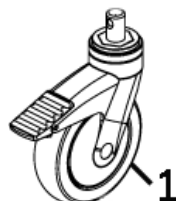
Modular MAC Trolley 2W Caster Swivel FRU Kit, PN 2075199-001



Modular MAC Trolley 2W Caster Swivel FRU Kit, PN 2075199-001

Item	Part Description	Qty
1	5327 Series Tente Swvl. No Lk, 125mm	2

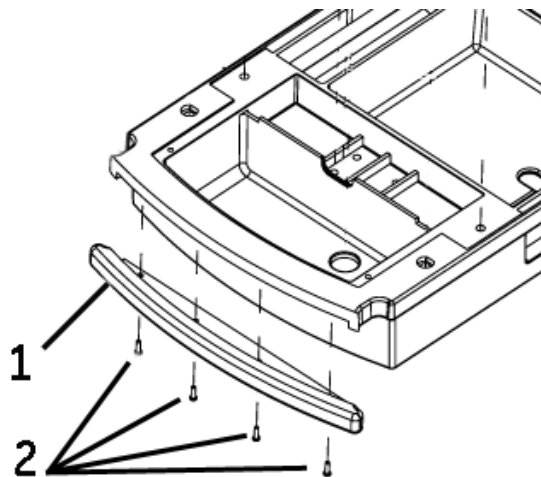
Modular MAC Trolley 2W Swivel Caster with Brakes FRU Kit, PN 2076629-001



Modular MAC Trolley 2W Swivel Caster with Brakes FRU Kit, PN 2076629-001

Item	Part Description	Qty
1	5327 Series Tente Swvl, braking, 125mm	2
Not shown	Screw M8 x 1.25, 20mm	2
Not shown	Screw Plastite #10 x 1"	4

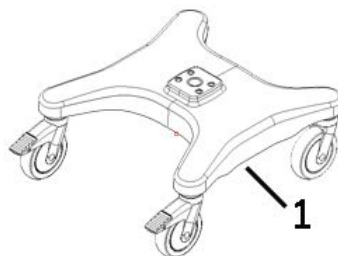
Front Bumper FRU Kit, PN 2056236-001



Front Bumper FRU Kit, PN 2056236-001

Item	Part Description	Qty
1	Rear Bumper, Top Housing	1
2	Screw #8-16 x 5/8 Pan Head Torx	4

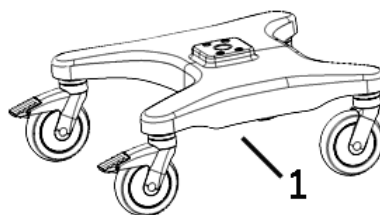
Modular MAC Trolley Base, 2W Swivel Assy FRU Kit, PN 2056476-001



Modular MAC Trolley Base, 2W Swivel Assy FRU Kit, PN 2056476-001

Item	Part Description	Qty
1	Base Assy	1

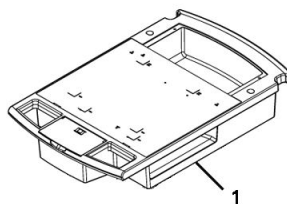
MAC 1600 Trolley Base, FRU Kit, PN 2056477-001



MAC 1600 Trolley Base, FRU Kit, PN 2056477-001

Item	Part Description	Qty
1	MAC 1600 base assy	1
Not shown	1/2 inch Socket Wrench	1

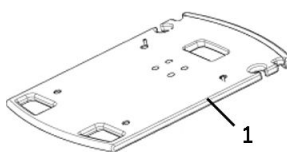
Top Housing Assy FRU Kit, PN 2056244-001



Top Housing Assy FRU Kit, PN 2056244-001

Item	Part Description	Qty
1	Top housing Assy	1

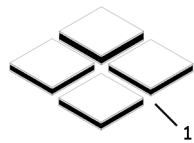
Top Housing MAC 1600 FRU Kit, PN 2057391-001



Top Housing MAC 1600 FRU Kit, PN 2057391-001

Item	Part Description	Qty
1	Top housing Assy	1

Dual Lock (Velcro) Kit, PN 2056811-001

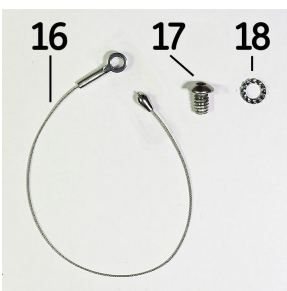
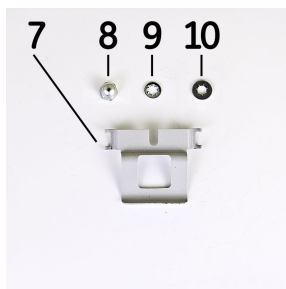
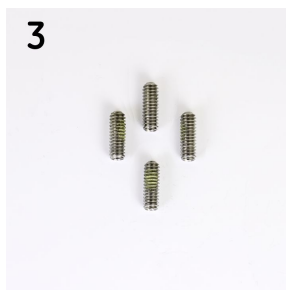
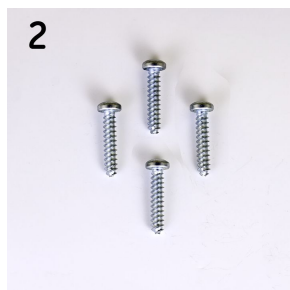
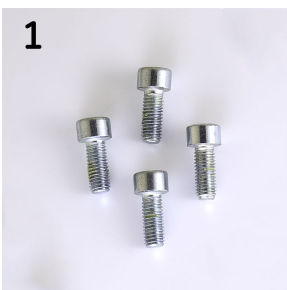


Dual Lock (Velcro) Kit, PN 2056811-001

Item	Part Description	Qty
1	1" square velcro	4

Fastener Hardware FRU Kit, PN 2056473-001

Identify the appropriate fastener in the following photographs and use the associated number to locate the corresponding item description in the table “Fastener Hardware FRU Kit, PN 2056473-001”. The photographs are to scale.



22



23



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27



Fastener Hardware FRU Kit, PN 2056473-001

Item	Part Number	Part Description	Qty	Where Used
1	2055434-001	SHCS, M8x1.25, 20MM W/ PATCH, ZINC, AS	4	Mounts the casters to the base of the Modular MAC Trolley.
2	2055435-001	SCREW PLASTITE, #10 x 1"	4	Mounts the cover to the base casting.
3	2055437-001	1/4-20 x 3/4" SSS, PATCH	4	Attaches the cleats used to mount the front and back bin accessories to the column.
4	2055442-001	HOLE PLUG, D-SHAPE, TOP	2	Plugs the openings used to mount an acquisition arm to the top of the Modular MAC Trolley.
5	2055443-001	HOLE PLUG, CIRCULAR, SNAP-IN	1	Plugs the opening in the bottom of the wireless bin of the Modular MAC Trolley.
6	2055446-001	#10-32 x 3" PHMS	2	Attaches the ECG mounting plate to the top of the Modular MAC Trolley.
7	2055448-001	CLIP RTNR FLIP-UP DOOR	1	Attaches the flip-up door to the front compartment on the top of the Modular MAC Trolley.
8	2055450-001	4-40 x 1/8 ACORN NUT	1	
9	2055451-001	#4 LOCK WASHER	1	
10	2055452-001	#4 FLAT WASHER	1	
11	2055453-001	5/16-18 x 1" FLANGED HHCS	4	Mounts the top to the column.
12	2055454-001	5/16 -18 x 2.25" FLANGED HHCS	4	Mounts the column to the base.

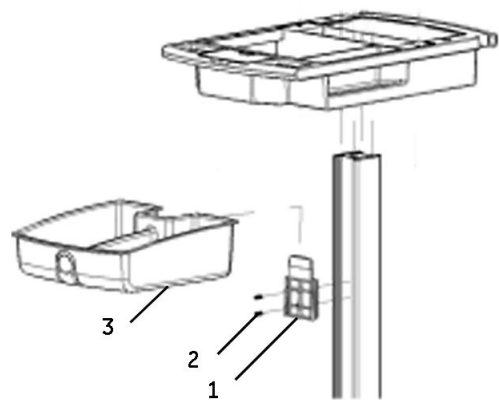
Fastener Hardware FRU Kit, PN 2056473-001 (cont'd.)

Item	Part Number	Part Description	Qty	Where Used
13	2055456-001	SCREW PLASTITE, #6-19 x 1/2", PAN HD, TORX	1	Attaches the GE Logo plate to the rear bin accessory.
14	2055457-001	#8-16 x 5/8" PH TORX PLASTITE	8	Attaches the bumper to the top of either trolley and the handle grips to the top of the Modular MAC Trolley.
15	2055458-001	DUAL LOCK FASTENER	4	Mounts a MAC 1200 or MAC 1600 unit to the mounting plate of the Modular MAC Trolley or a MAC 1600 unit to the top of the MAC 1600 Trolley.
16	2055459-001	CABLE ESD BRAID	1	Attaches the electrostatic discharge (ESD) cable to the base of the trolley.
17	2055460-001	BHCS, 5/16-18 x 1/2", PATCH	1	
18	2055461-001	WASHER LOCKING M8 SERRATED	1	
19	2055471-001	4-40 x 3/16" PHMS	4	Attaches the acquisition device mounting plate to the plastic module on top of the acquisition arm.
20	2055475-001	CABLE CLIP, GOOSENECK	2	Snap on the acquisition arm to route the acquisition cables.
21	2056511-001	STANDOFF, .25 x 5/8" HEX, #8-32 INT THREAD	1	Attaches to the mounting plate of the Modular MAC Trolley when mounting a MAC 1200 or MAC 1600 unit.
22	2056512-001	FHMS, #8-32 x .75" LONG	2	
23	2056517-001	3/8"-16 x 1.5" LONG PHMS, PHILLIPS HEAD	1	Mounts the acquisition arm to the top of the Modular MAC Trolley.
24	2056518-001	3/8-16 x 5/8" BHSCS, Patch	1	Attaches the plastic module to the top of the acquisition arm.
25	2056525-001	8-32 x 1/4 FHMS 100 DEG, SS	2	Attaches the cover of the wireless device bin to the top of the Modular MAC Trolley.
26	2057017-001	NYLON HOLE PLUG	2	Plugs the screw holes in the wireless device bin on the top of the Modular MAC Trolley. Used only if a wireless bin cover is not used.
27	2057018-001	M3 x 8 MM PHMS	4	Mounts a MAC 3500 or MAC 5500 unit to the mounting plate on the Modular MAC Trolley.

Accessories

The accessories list contains information on optional parts available for the MAC trolleys.

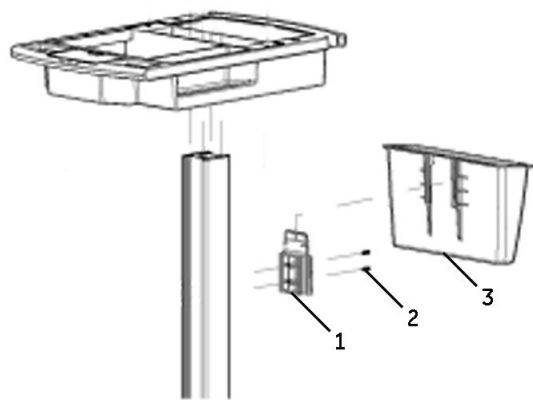
Front Bin, PN 2056228-001



Front Bin, PN 2056228-001

Item	Part Description	Qty
1	Cleat, Bin Mounting	1
2	Screw 1/4-20 Stainless Steel	2
3	Front Bin,	1

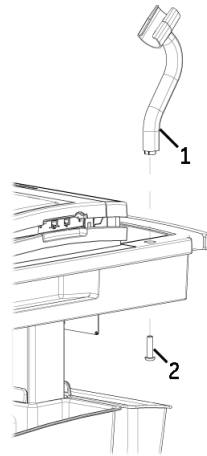
Rear Bin, PN 2056230-001



Rear Bin, PN 2056230-001

Item	Part Description	Qty
1	Cleat, Bin Mounting	1
2	Screw 1/4 - 20 Stainless Steel	2
3	Rear Bin	1

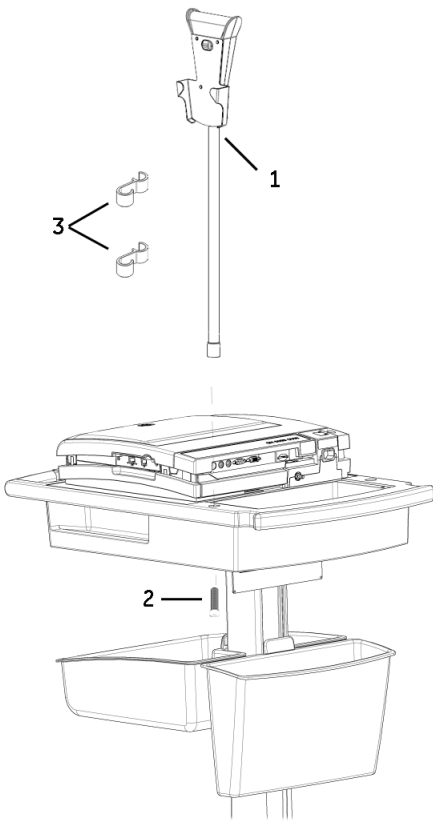
Barcode Holder, PN 2056240-001



Barcode Holder, PN 2056240-001

Item	Part Description	Qty
1	Barcode Bracket	1
2	SCREW MACH BUTTON HD 3/8"-16 x 1.5" LONG	1

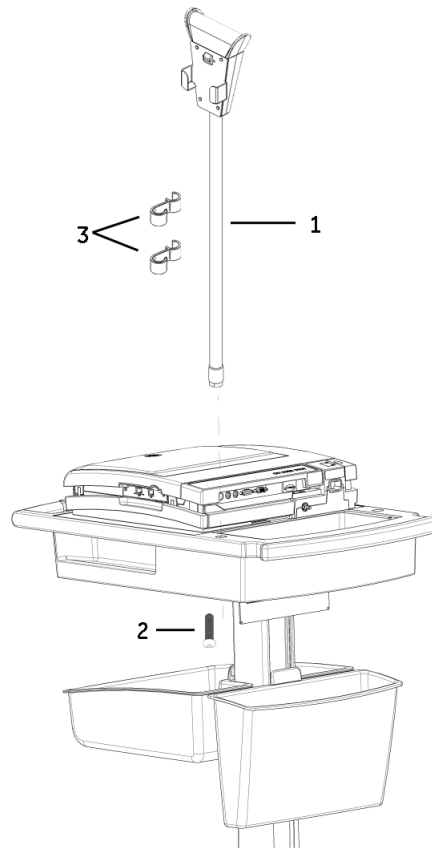
CAM14 Acquisition Arm/Bracket Assembly, PN 2056231-001



CAM14 Acquisition Arm/Bracket Assembly, PN 2056231-001

Item	Part Description	Qty
1	CAM14 Acquisition Holder	1
2	SCREW MACH BUTTON HD 3/8"-16 x 1.5" LONG	1
3	Plastic clips	2

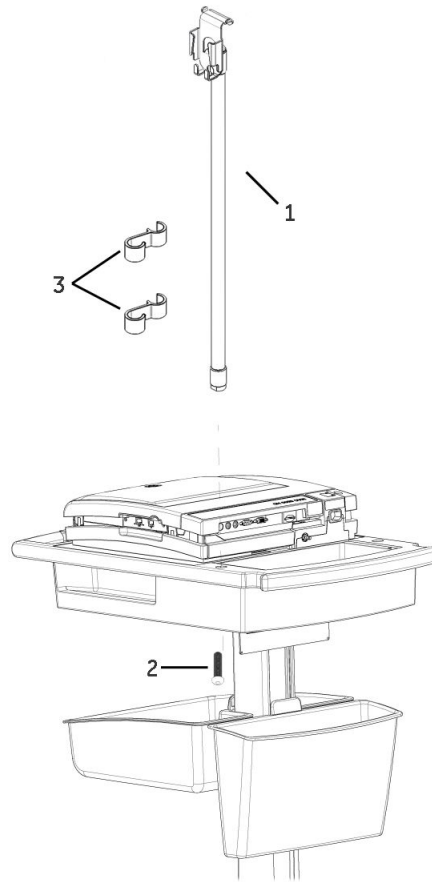
Multi-Link Acquisition Arm/Bracket Assembly, PN 2056233-001



Multi-Link Acquisition Arm/Bracket Assembly, PN 2056233-001

Item	Part Description	Qty
1	Multi—Link Acquisition Holder	1
2	SCREW MACH BUTTON HD 3/8"-16 x 1.5" LONG	1
3	Plastic clips	2

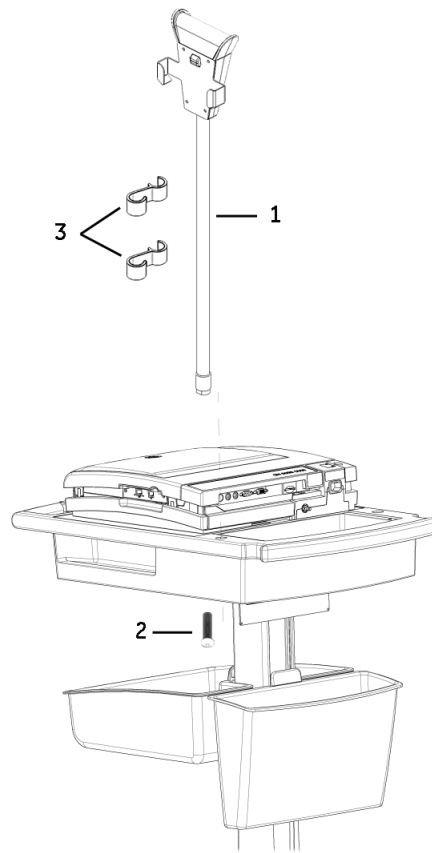
Value Acquisition Arm/Bracket Assembly, PN 2056234-001



Value Acquisition Arm/Bracket Assembly, PN 2056234-001

Item	Part Description	Qty
1	Value Acquisition Holder	1
2	SCREW MACH BUTTON HD 3/8"-16 x 1.5" LONG	1
3	Plastic clip	2

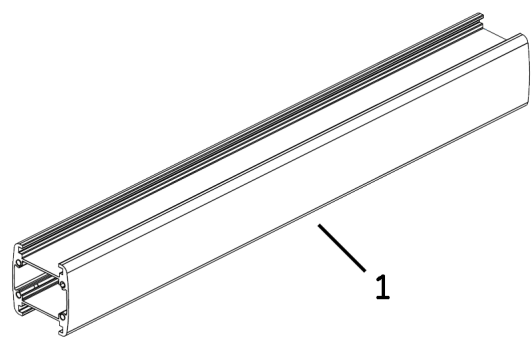
NEHB Acquisition Arm/Bracket Assembly, PN 2056232-001



NEHB Acquisition Arm/Bracket Assembly, PN 2056232-001

Item	Part Description	Qty
1	NEHB Acquisition Holster	1
2	SCREW MACH BUTTON HD 3/8"-16 x 1.5" LONG	1
3	Plastic clips	2

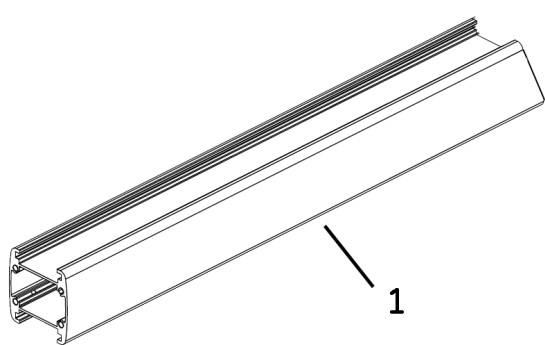
Modular MAC Trolley Short Column, PN 2056478-001



Modular MAC Trolley Short Column, PN 2056478-001

Item	Part Description	Qty
1	Modular MAC Trolley Short Column	1

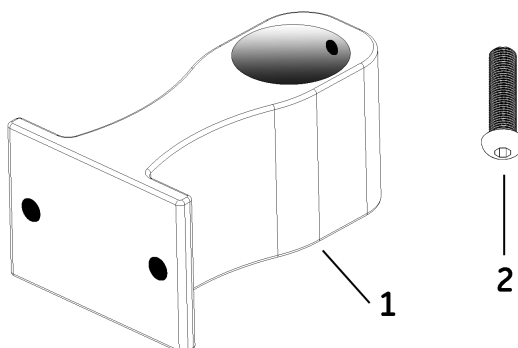
MAC 1600 Trolley Short Column, PN 2056479-001



MAC 1600 Trolley Short Column, PN 2056479-001

Item	Part Description	Qty
1	MAC 1600 Trolley Short Column	1

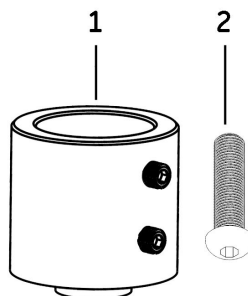
MAC 1600 Acquisition Mounting Bracket, PN 2057392-001



MAC 1600 Acquisition Mounting Bracket, PN 2057392-001

Item	Part Description	Qty
1	MAC 1600 Acquisition Bracket	1
2	Screw 3/8 — 16 x 0.5"	1
Not shown	1/8" Allen Wrench	1

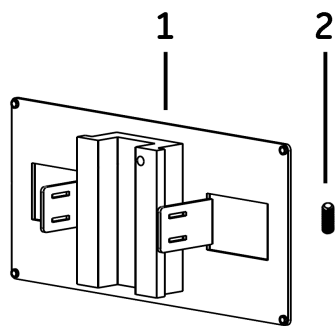
Modular MAC KISS Mounting Collar, PN 2056239-001



Modular MAC KISS Mounting Collar, PN 2056239-001

Item	Part Description	Qty
1	Modular MAC KISS Mounting Collar	1
2	SCREW MACH BUTTON HD 3/8"-16 x 1.5" LONG	1
Not shown	1/8" Allen Wrench	1

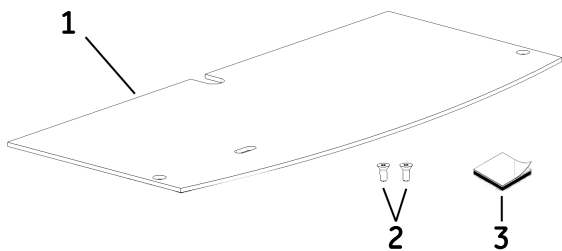
KISS Pump Bracket, PN 2057374-001



KISS Pump Bracket, PN 2057374-001

Item	Part Description	Qty
1	KISS Pump Bracket	1
2	Screw 1/4 – 20 x 3/4"	1

Wireless Cover Bracket Kit, PN 2056227-001

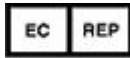


Wireless Cover Bracket Kit, PN 2056227-001

Item	Part Description	Qty
1	Wireless Cover	1
2	Screws 8 – 32 x 1/4"	2
3	Fastener Dual Lock	1



GE Medical Systems
Information Technologies, Inc.
8200 West Tower Avenue
Milwaukee, WI 53223 USA
Tel: +1 414 355 5000
+1 800 558 7044 (US Only)
Fax: +1 414 355 3790



GE Medical Systems
Information Technologies GmbH
Munzinger Straße 5
D-79111 Freiburg Germany
Tel: +49 761 45 43 -0
Fax: +49 761 45 43 -233

Asia Headquarters

GE Medical Systems
Information Technologies, Inc.
Asia; GE (China) Co., Ltd.
1 Huatuo Road
Zhangjiang Hi-tech Park Pudong
Shanghai, People's Republic of China 201203
Tel: +86 21 3877 7888
Fax: +86 21 3877 7451

GE Medical Systems *Information Technologies, Inc.*, a General Electric Company, going to market as GE Healthcare.

www.gehealthcare.com

