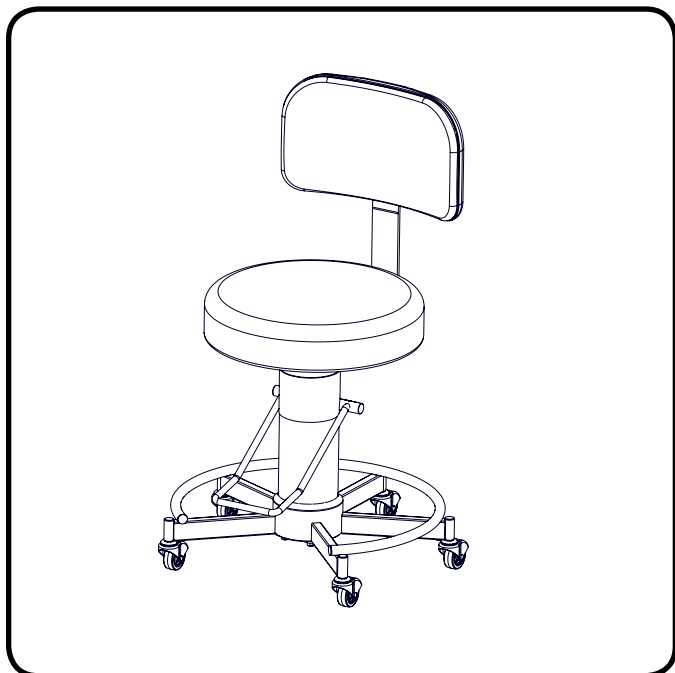


# Instruction Guide | 328/329/330/331

U.S. & Canada (888) 520-4998 | International (801) 875-4998 | [www.mti.net](http://www.mti.net)



## **WARNING/AVERTISSEMENT**

*Read this manual before installation and use.*

*Lisez ce manuel avant l'installation et l'utilisation.*

## Required Tools

|  |                    |  |              |
|--|--------------------|--|--------------|
|  | 5/32" Allen Wrench |  | 9/16" Wrench |
|--|--------------------|--|--------------|

## Optional Tools

|  |                      |                         |  |
|--|----------------------|-------------------------|--|
|  | Phillips Screwdriver | Awl or sharp instrument |  |
|  | 3/16" Allen Wrench   |                         |  |

This manual is for the following part numbers and serial numbers:

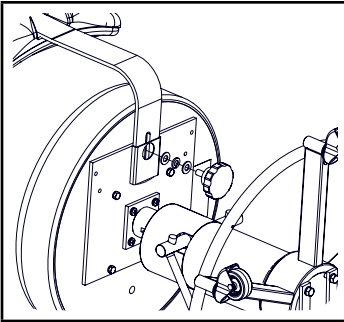
| PART NUMBER | DESCRIPTION                                       | EFFECTIVE S/N        |
|-------------|---------------------------------------------------|----------------------|
| 328-XX-XXX  | Stool, Hydraulic Pump w/o Backrest                | 010831002 to Current |
| 329-XX-XXX  | Stool, Hydraulic Pump w/Ergo Backrest             | 010831002 to Current |
| 330-XX-XXX  | Stool, Hydraulic Pump w/Body Support              | 010831002 to Current |
| 331-XX-XXX  | Stool, Hydraulic Pump w/Twin Arms & Ergo Backrest | 010831002 to Current |

## REVISION HISTORY TABLE

| DATE       | REVISION | CO#/ECO# | DETAILS         |
|------------|----------|----------|-----------------|
| 12/22/2015 | A        | CO-0066  | Initial release |

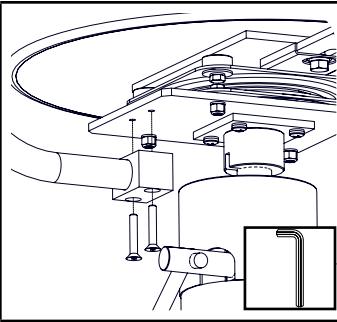
## INSTALLATION

Backrest Installation  
(Model 329 & 331)



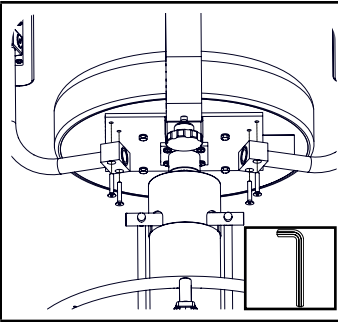
1. Insert the backrest into the bracket on the underside of the seat. Place 1 lock washer between 2 standard washers on the knob and tighten into place.

Body Support Installation  
(Model 330)



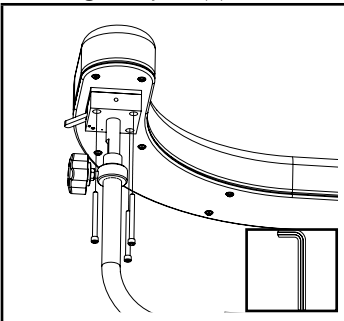
2. Attach the body support tube to the bracket on the underside of the seat with (2) 1-1/2" flat head screws using a 5/32" Allen wrench. Insert the rod of the ratchet assembly into the body support tube with the flat side towards the knob and tighten it into place.

Arm Installation  
(Model 331)

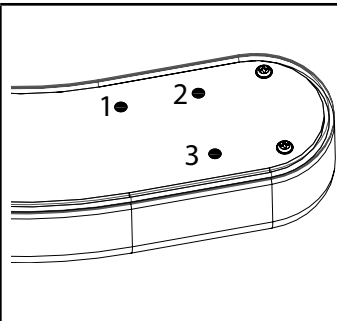


3. Attach the arm support tubes to the bracket on the under side of the seat with (4) 1-1/2" flat head screws using a 5/32" Allen wrench.

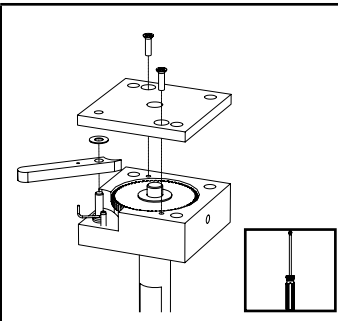
### Moving Body Support to Left Hand Side



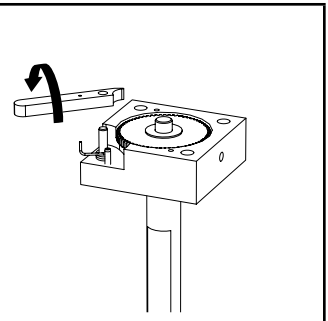
1. Remove the three bolts that secure the body support ratchet to the body support cushion using a 3/16" Allen wrench.



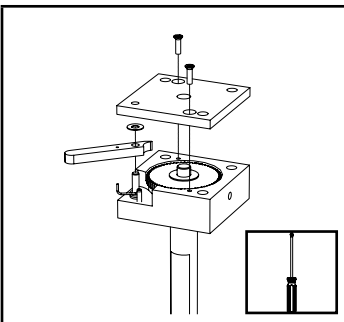
2. Feel for 3 holes hidden under upholstery on the opposite side of the body support cushion. Pierce 3 holes through the upholstery using a sharp instrument.



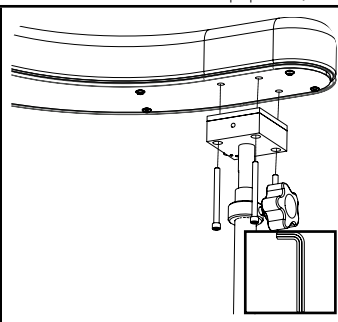
3. Remove the top plate of the ratchet assembly, held with two screws, using a phillips screwdriver. Remove the black plastic washer. (It may stick to the bottom of the top plate).



4. Flip the ratchet lever over and place it over the pin and verify the end of the spring is in the hole of the ratchet lever.

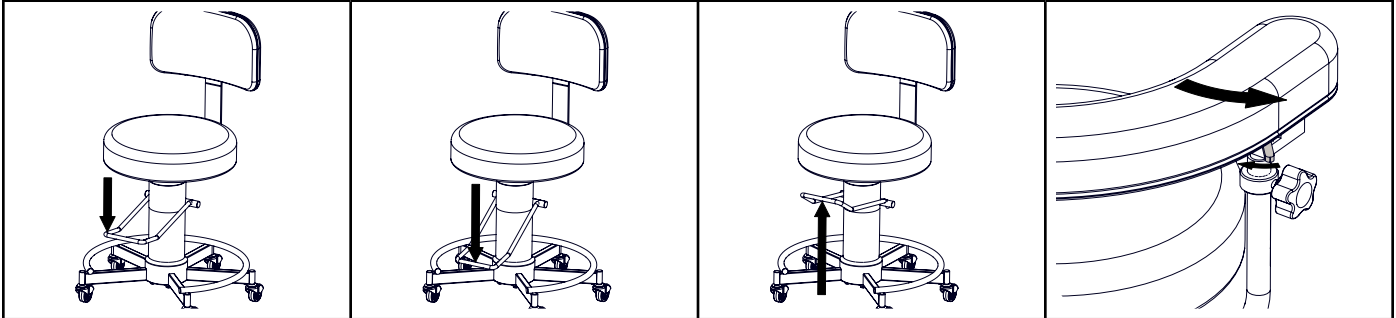


5. Place the black plastic washer over the pin and on top of the ratchet lever and reassemble the lid.



6. Reattach the body support ratchet using the 3/16" Allen wrench.

## OPERATION



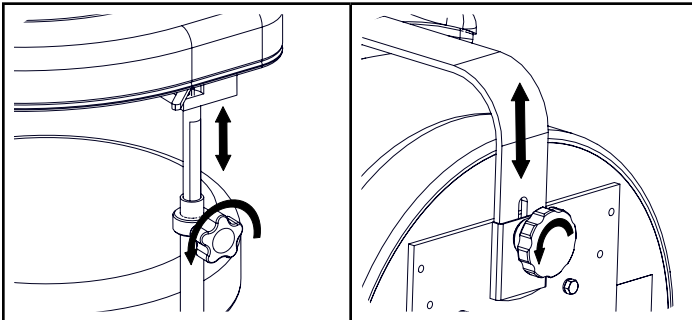
1. To raise the height of the stool, pump downwards on the lever below the seat.

2. To lower the height of the stool, hold down the lever below the seat.

3. To lock the swivel, lift up on the lever below the seat.

4a. The body support will swivel towards the stool by pulling on the support.

4b. To move the support away from the stool, press the lever on the underside of the support towards the stool and move the support away.



5. To adjust the height of the arms or body support, loosen the knob on the side of the arm or body support, adjust the height, and tighten the knob.

6. To adjust the position of the back, loosen the knob under the seat, slide the back in or out, and tighten the knob.

## SPECIFICATIONS

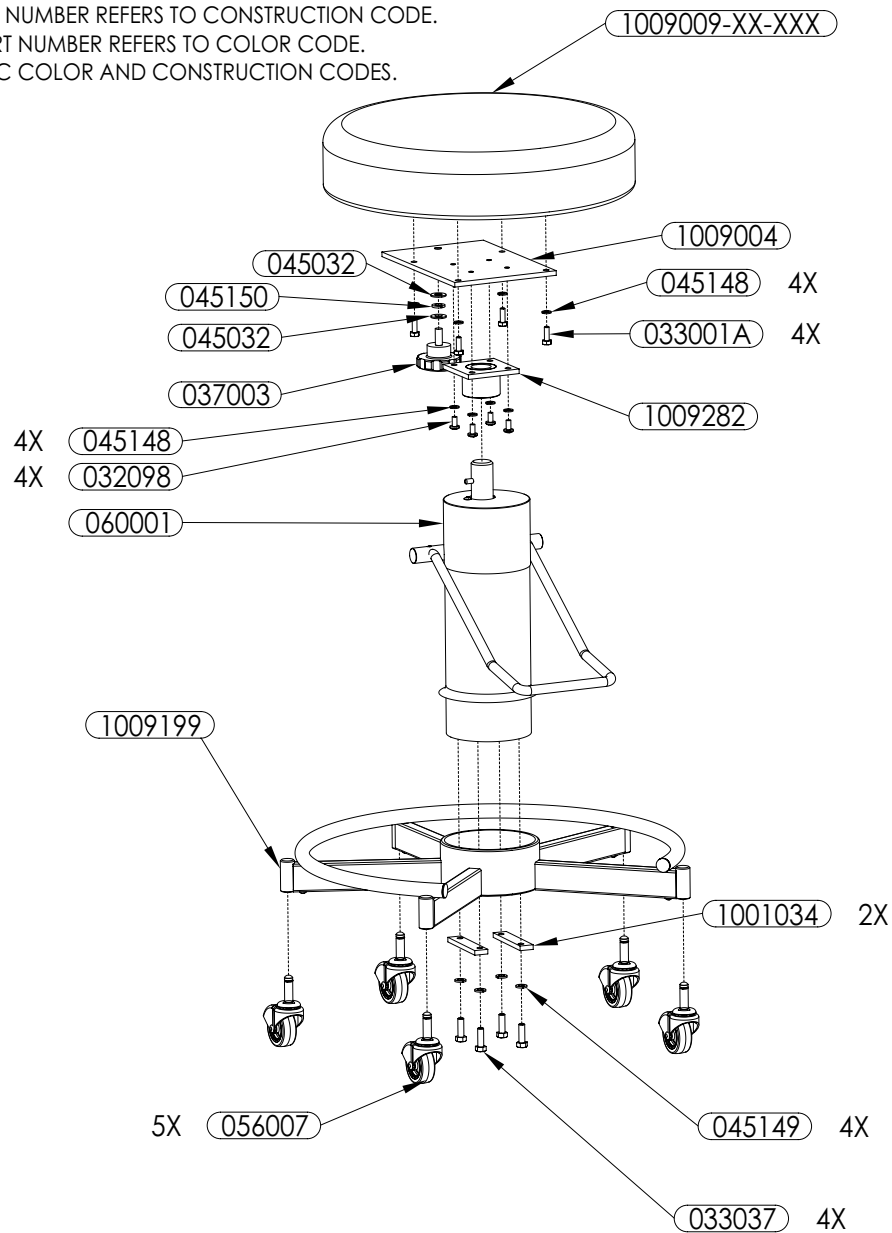
| DESCRIPTION              | SPECIFICATION                                                                                     |
|--------------------------|---------------------------------------------------------------------------------------------------|
| Load Capacity            | 328/329: 350 lbs (158.8 kg) • 330/331: 325 lbs (147.4 kg)                                         |
| Height of Stool          | 328/329/331: 20.5" to 28" (520.7 mm to 711.2 mm )<br>330: 21.25" to 28.75" (539.8 mm to 730.3 mm) |
| Weight of Stool          | 328: 40 lbs (18.1 kg) • 329: 45 lbs (20.4 kg) • 330: 52 lbs (23.6 kg) • 331: 56 lbs (25.4 kg)     |
| Shipping Weight of Stool | 328: 46 lbs (20.9 kg) • 329: 51 lbs (23.1 kg) • 330: 58 lbs (26.3 kg) • 331: 62 lbs (28.1 kg)     |
| Shipping Size of Stool   | 25" x 25" x 25" (635 mm x 635 mm x 635 mm)                                                        |

## EXPLODED VIEWS

328-XX-XXX STOOL, HYDRAULIC PUMP W/O BACKREST

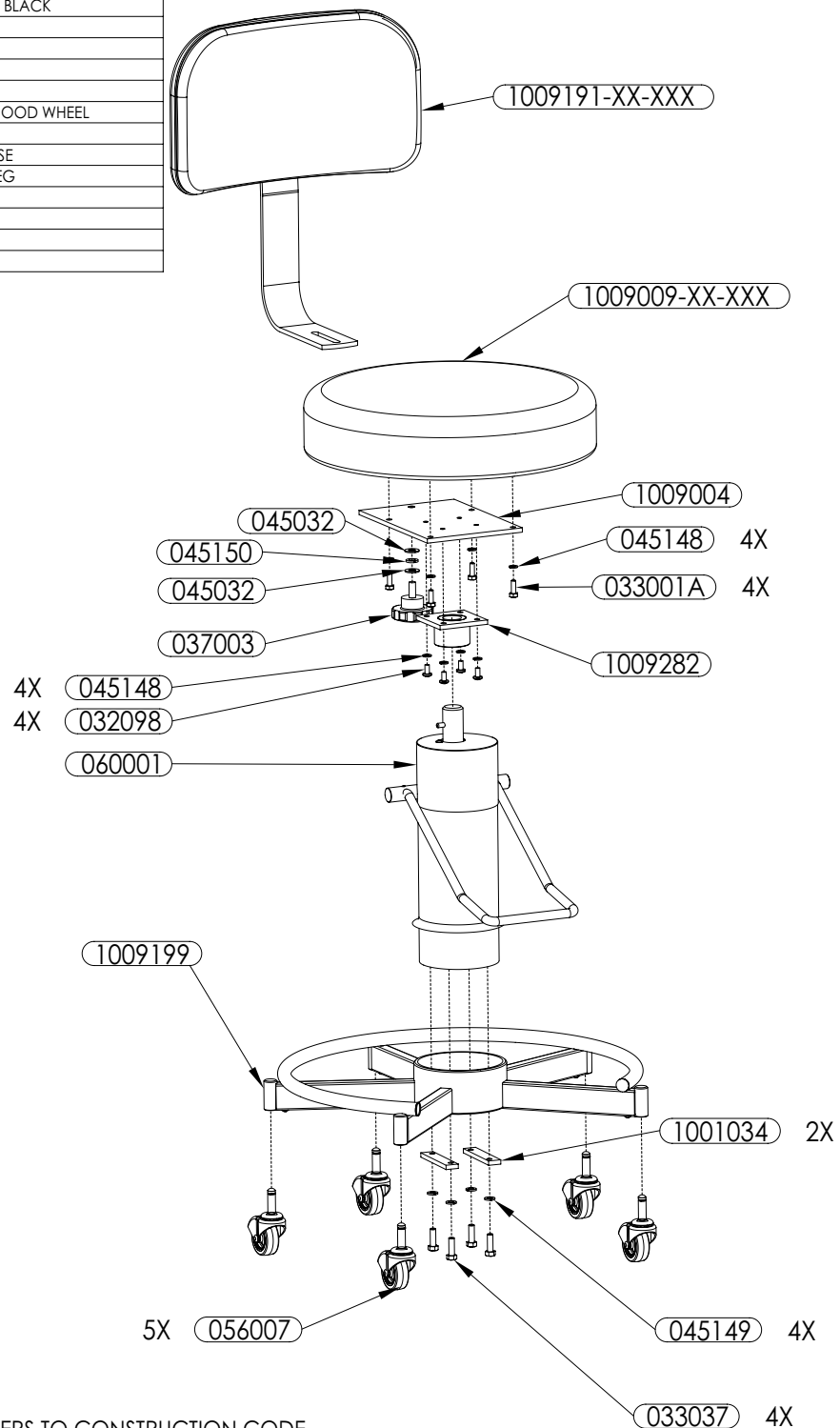
| PART NUMBER    | QTY | DESCRIPTION                              |
|----------------|-----|------------------------------------------|
| 032098         | 4   | PHP SCREW, 1/4-20 x 1/2 ZINC             |
| 033001A        | 4   | HEX HEAD BOLT, 1/4-20 x 3/4 ZINC         |
| 033037         | 4   | HEX HEAD BOLT, 5/16-18 x 1 ZINC          |
| 037003         | 1   | FLUTED KNOB, 3/8-16 X 1, 2-1/2 DIA BLACK |
| 045032         | 2   | SAE WASHER, 3/8 ZINC                     |
| 045148         | 8   | LOCK WASHER, 1/4, ZINC                   |
| 045149         | 4   | LOCK WASHER, 5/16, ZINC                  |
| 045150         | 1   | LOCK WASHER, 3/8, ZINC                   |
| 056007         | 5   | CASTER, 2" HARD RUBBER PLATED HOOD WHEEL |
| 060001         | 1   | HYDRAULIC LIFT, 4500 F/HY STOOL          |
| 1001034        | 2   | MTG STRAP, HYDRAULIC STOOL BASE          |
| 1009004        | 1   | MTG PLATE WLD, STOOL SEAT, SG/EG         |
| 1009009-XX-XXX | 1   | ROUND SEAT ASSY, 16.5" DIA               |
| 1009199        | 1   | BASE ASSY, HYDRAULIC STOOL               |
| 1009282        | 1   | HUB WLD, HY STOOL                        |

THE XX OF DRAWING/PART NUMBER REFERS TO CONSTRUCTION CODE.  
 THE XXX OF DRAWING/PART NUMBER REFERS TO COLOR CODE.  
 CONTACT MTI FOR SPECIFIC COLOR AND CONSTRUCTION CODES.



## 329-XX-XXX STOOL, HYDRAULIC PUMP W/ERGO BACKREST

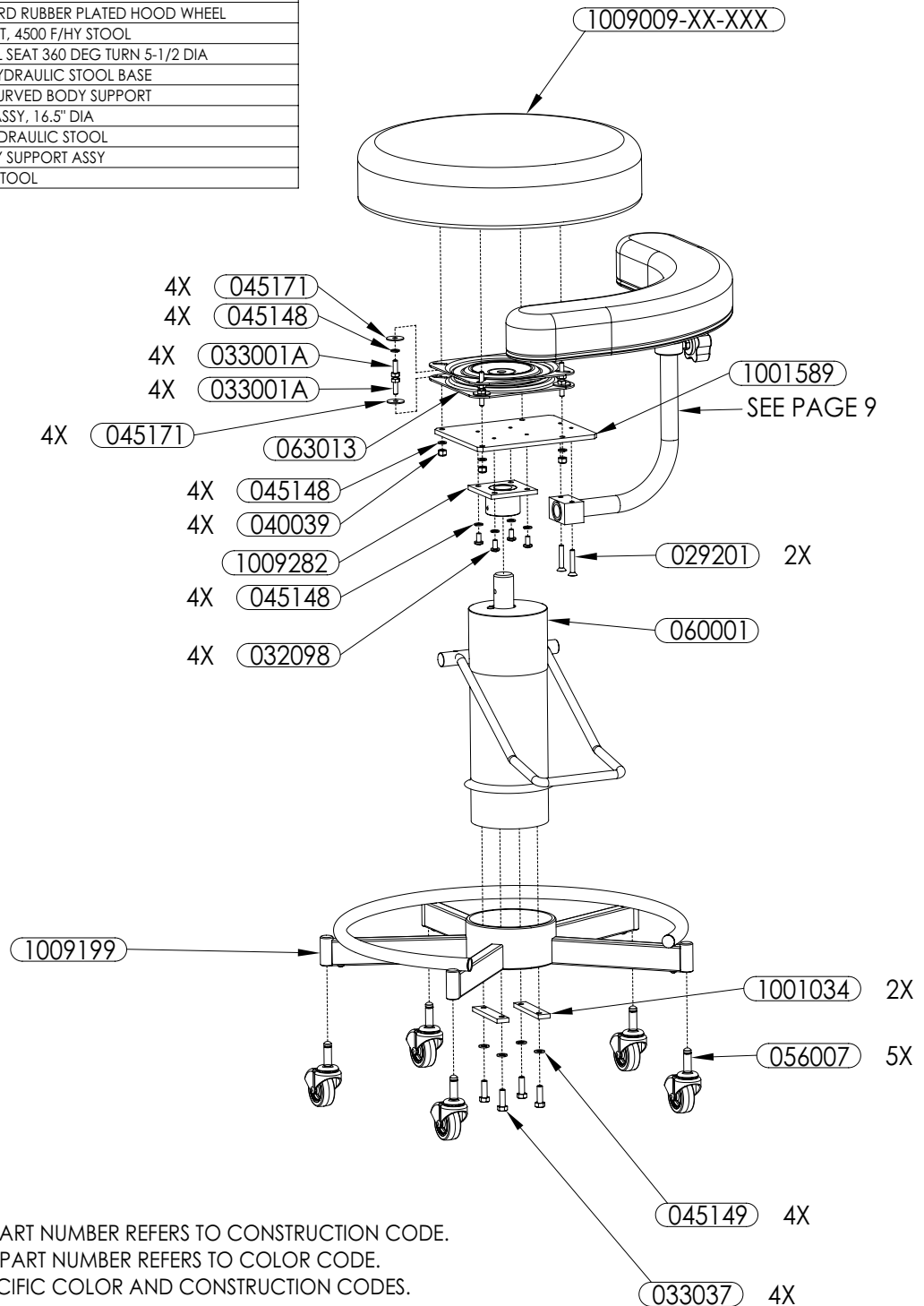
| PART NUMBER    | QTY | DESCRIPTION                              |
|----------------|-----|------------------------------------------|
| 032098         | 4   | PHP SCREW, 1/4-20 x 1/2 ZINC             |
| 033001A        | 4   | HEX HEAD BOLT, 1/4-20 x 3/4 ZINC         |
| 033037         | 4   | HEX HEAD BOLT, 5/16-18 x 1 ZINC          |
| 037003         | 1   | FLUTED KNOB, 3/8-16 X 1, 2-1/2 DIA BLACK |
| 045032         | 2   | SAE WASHER, 3/8 ZINC                     |
| 045148         | 8   | LOCK WASHER, 1/4, ZINC                   |
| 045149         | 4   | LOCK WASHER, 5/16, ZINC                  |
| 045150         | 1   | LOCK WASHER, 3/8, ZINC                   |
| 056007         | 5   | CASTER, 2" HARD RUBBER PLATED HOOD WHEEL |
| 060001         | 1   | HYDRAULIC LIFT, 4500 F/HY STOOL          |
| 1001034        | 2   | MTG STRAP, HYDRAULIC STOOL BASE          |
| 1009004        | 1   | MTG PLATE WLD, STOOL SEAT, SG/EG         |
| 1009009-XX-XXX | 1   | ROUND SEAT ASSY, 16.5" DIA               |
| 1009191-XX-XXX | 1   | ERGO BACK ASSY                           |
| 1009199        | 1   | BASE ASSY, HYDRAULIC STOOL               |
| 1009282        | 1   | HUB WLD, HY STOOL                        |



THE XX OF DRAWING/PART NUMBER REFERS TO CONSTRUCTION CODE.  
 THE XXX OF DRAWING/PART NUMBER REFERS TO COLOR CODE.  
 CONTACT MTI FOR SPECIFIC COLOR AND CONSTRUCTION CODES.

## 330-XX-XXX STOOL, HYDRAULIC PUMP W/BODY SUPPORT

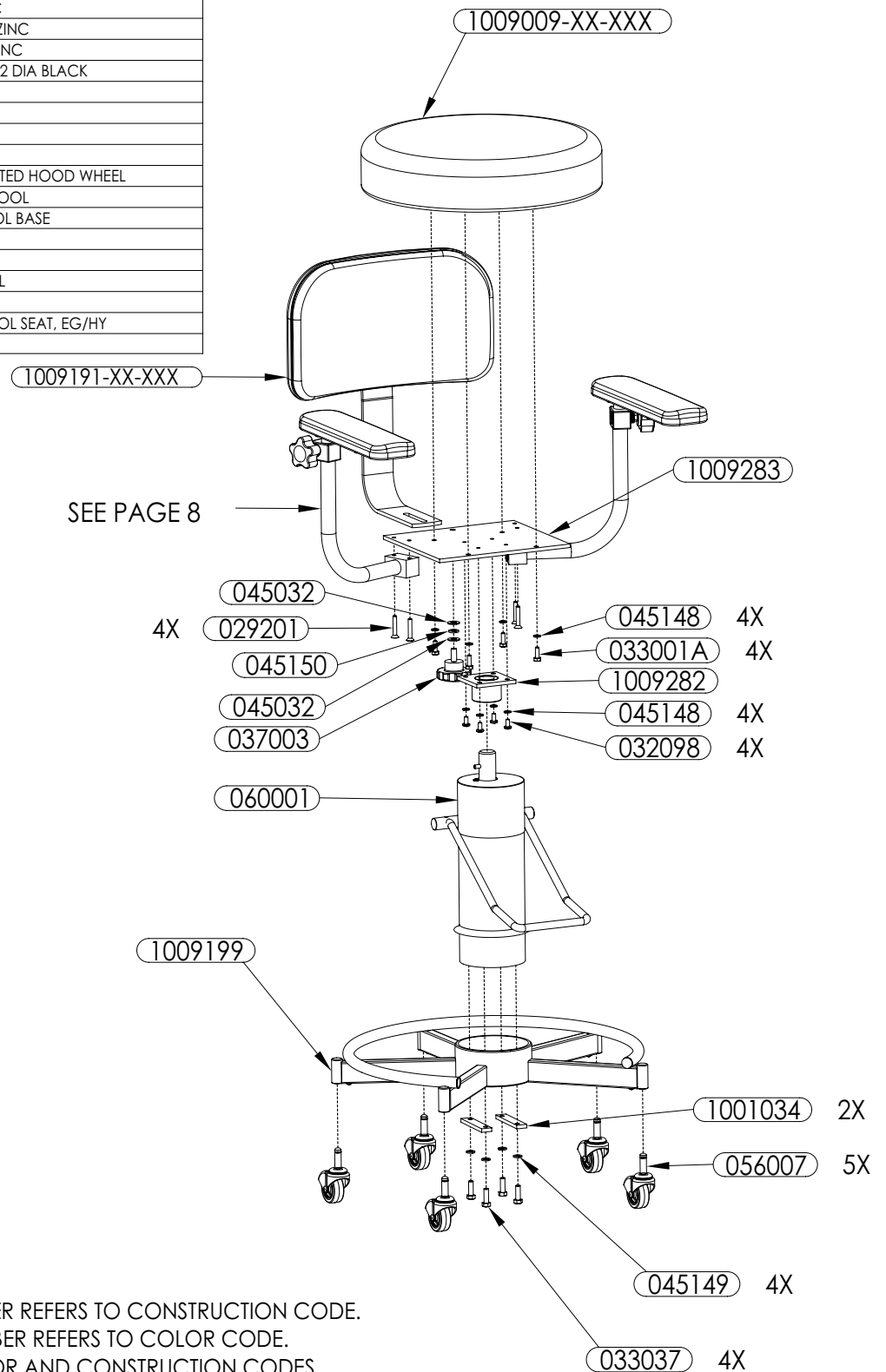
| PART NUMBER    | QTY | DESCRIPTION                               |
|----------------|-----|-------------------------------------------|
| 029201         | 2   | FHC SCREW, 1/4-20 X 1-1/2, BLACK          |
| 032098         | 4   | PHP SCREW, 1/4-20 x 1/2 ZINC              |
| 033001A        | 8   | HEX HEAD BOLT, 1/4-20 x 3/4 ZINC          |
| 033037         | 4   | HEX HEAD BOLT, 5/16-18 x 1 ZINC           |
| 040039         | 4   | NYLON INSERT HEX NUT, 1/4-20 GR2 ZINC     |
| 045148         | 12  | LOCK WASHER, 1/4, ZINC                    |
| 045149         | 4   | LOCK WASHER, 5/16, ZINC                   |
| 045171         | 8   | FENDER WASHER, 1/4 x 1 ZINC               |
| 056007         | 5   | CASTER, 2" HARD RUBBER PLATED HOOD WHEEL  |
| 060001         | 1   | HYDRAULIC LIFT, 4500 F/HY STOOL           |
| 063013         | 1   | SWIVEL, STOOL SEAT 360 DEG TURN 5-1/2 DIA |
| 1001034        | 2   | MTG STRAP, HYDRAULIC STOOL BASE           |
| 1001589        | 1   | MTG PLATE, CURVED BODY SUPPORT            |
| 1009009-XX-XXX | 1   | ROUND SEAT ASSY, 16.5" DIA                |
| 1009199        | 1   | BASE ASSY, HYDRAULIC STOOL                |
| SEE PAGE 9     | 1   | CURVED BODY SUPPORT ASSY                  |
| 1009282        | 1   | HUB WLD, HY STOOL                         |



THE XX OF DRAWING/PART NUMBER REFERS TO CONSTRUCTION CODE.  
 THE XXX OF DRAWING/PART NUMBER REFERS TO COLOR CODE.  
 CONTACT MTI FOR SPECIFIC COLOR AND CONSTRUCTION CODES.

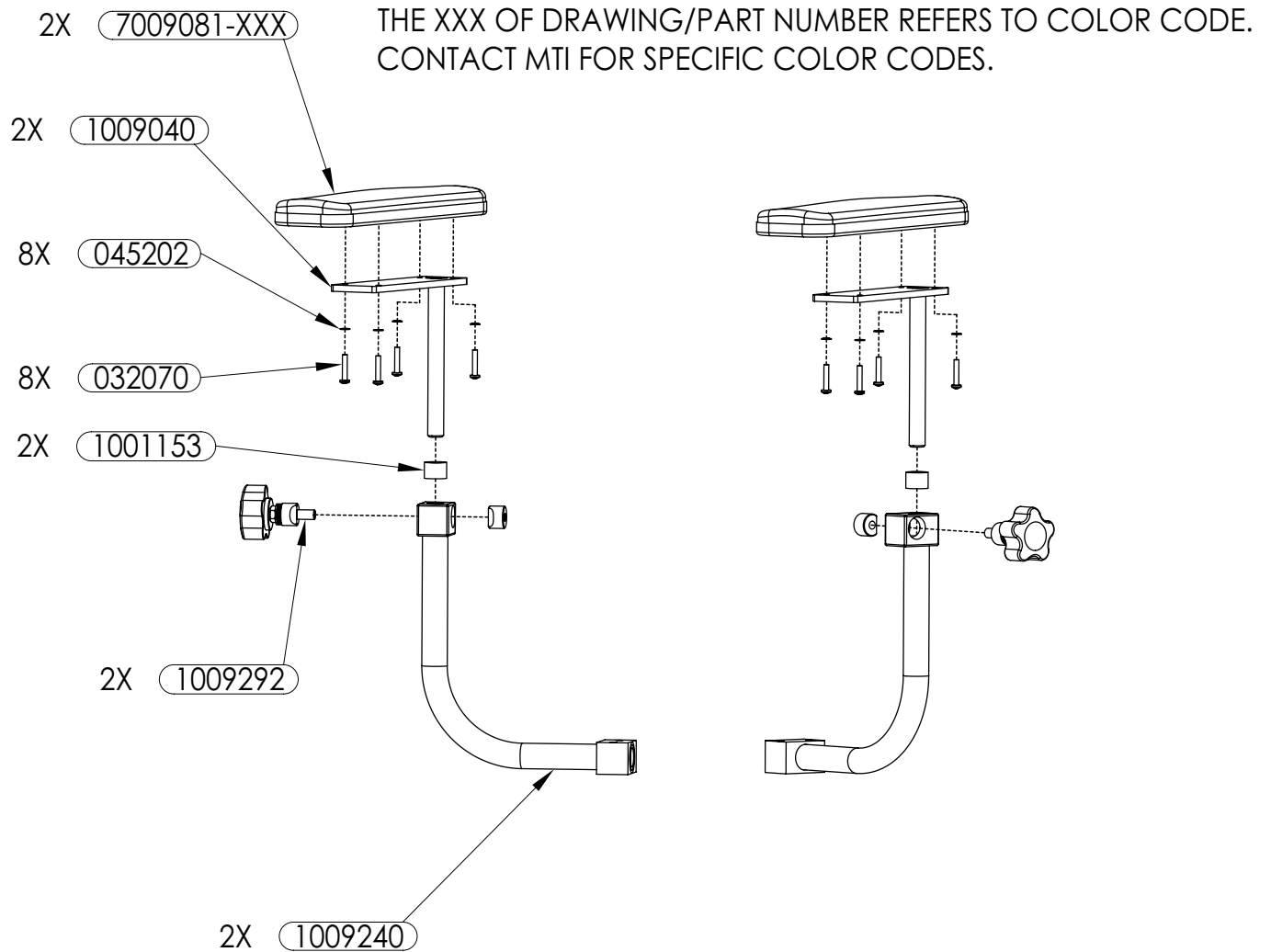
## 331-XX-XXX STOOL, HYDRAULIC PUMP W/TWIN ARMS &amp; ERGO BACKREST

| PART NUMBER    | QTY | DESCRIPTION                              |
|----------------|-----|------------------------------------------|
| 029201         | 4   | FHC SCREW, 1/4-20 X 1-1/2, BLACK         |
| 032098         | 4   | PHP SCREW, 1/4-20 x 1/2 ZINC             |
| 033001A        | 4   | HEX HEAD BOLT, 1/4-20 x 3/4 ZINC         |
| 033037         | 4   | HEX HEAD BOLT, 5/16-18 x 1 ZINC          |
| 037003         | 1   | FLUTED KNOB, 3/8-16 X 1, 2-1/2 DIA BLACK |
| 045032         | 2   | SAE WASHER, 3/8 ZINC                     |
| 045148         | 8   | LOCK WASHER, 1/4, ZINC                   |
| 045149         | 4   | LOCK WASHER, 5/16, ZINC                  |
| 045150         | 1   | LOCK WASHER, 3/8, ZINC                   |
| 056007         | 5   | CASTER, 2" HARD RUBBER PLATED HOOD WHEEL |
| 060001         | 1   | HYDRAULIC LIFT, 4500 F/HY STOOL          |
| 1001034        | 2   | MTG STRAP, HYDRAULIC STOOL BASE          |
| 1009009-XX-XXX | 1   | ROUND SEAT ASSY, 16.5" DIA               |
| 1009191-XX-XXX | 1   | ERGO BACK ASSY                           |
| 1009199        | 1   | BASE ASSY, HYDRAULIC STOOL               |
| 1009282        | 1   | HUB WLD, HY STOOL                        |
| 1009283        | 1   | MTG PLATE WLD f/ARMS, STOOL SEAT, EG/HY  |
| SEE PAGE 8     | -   | TWIN ARMS                                |



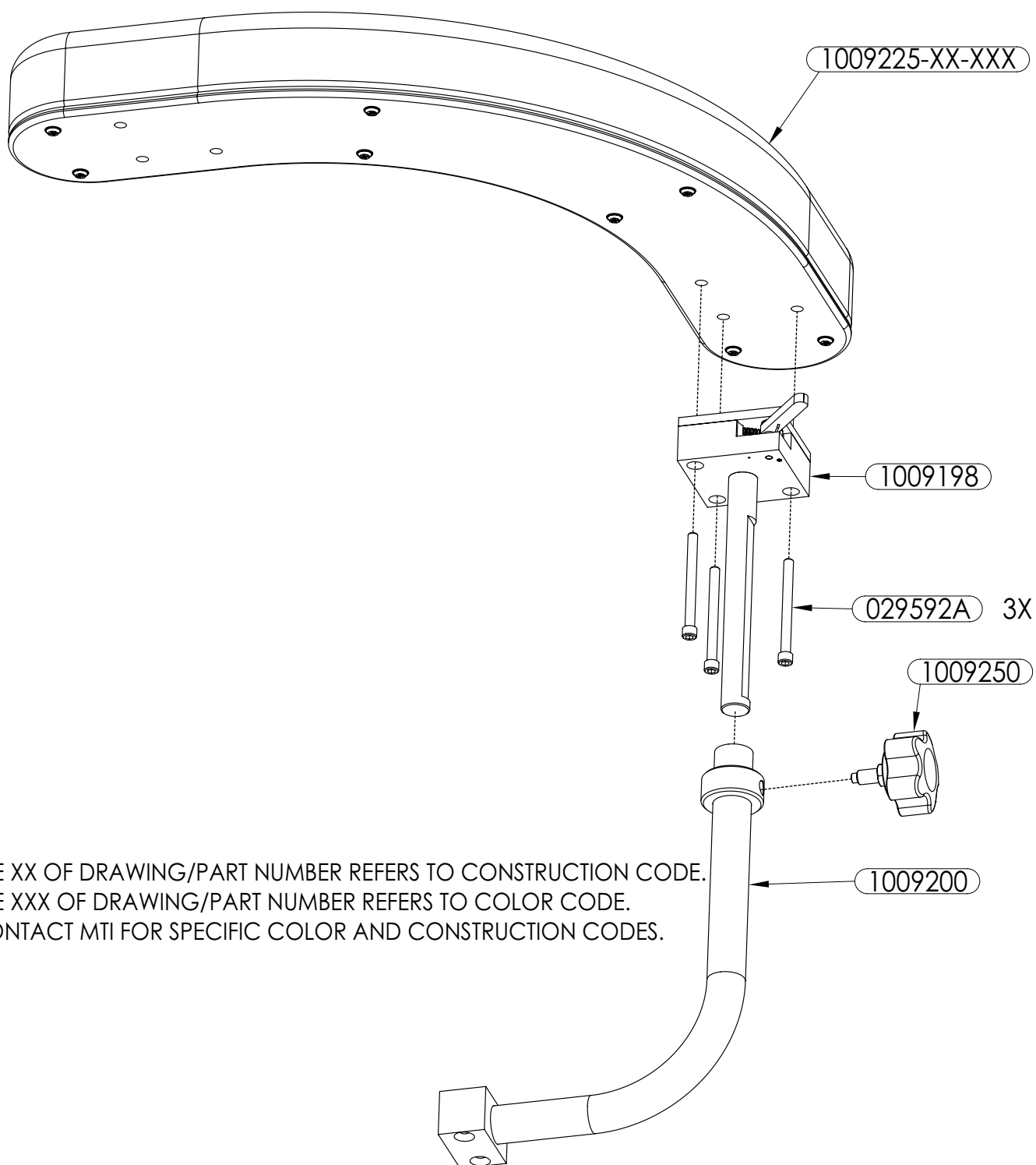
## TWIN ARMS

| PART NUMBER    | QTY | DESCRIPTION                   |
|----------------|-----|-------------------------------|
| 032070         | 8   | PHP SCREW, 10-24 x 1 ZINC     |
| 045202         | 8   | INTERNAL STAR WASHER, 10 ZINC |
| 1001153        | 2   | SPACER, TYGON TUBE, 5/8 LG    |
| 1009040        | 2   | RISER WLD, TWIN ARM           |
| 1009240        | 2   | TUBE WLD, TWIN ARM            |
| 1009292        | 2   | KNOB-LOCK ASSY, TWIN ARM      |
| 7009081-XX-XXX | 2   | UPH TWIN ARM ASSY             |



## CURVED BODY SUPPORT ASSY

| PART NUMBER    | QTY | DESCRIPTION                     |
|----------------|-----|---------------------------------|
| 1009200        | 1   | TUBE WLD, BODY SUPPORT          |
| 1009198        | 1   | BODY SUPPORT RATCHET ASSY       |
| 1009225-XX-XXX | 1   | BODY SUPPORT ARM ASSY           |
| 1009250        | 1   | 5-LOBE KNOB, 3/8-16 X .75 BLACK |
| 029592A        | 3   | SHC SCREW, 1/4-20 X 2-3/4 BLACK |



THE XX OF DRAWING/PART NUMBER REFERS TO CONSTRUCTION CODE.  
THE XXX OF DRAWING/PART NUMBER REFERS TO COLOR CODE.  
CONTACT MTI FOR SPECIFIC COLOR AND CONSTRUCTION CODES.

---

THIS PAGE IS INTENTIONALLY BLANK.

** WARNING/AVERTISSEMENT**

*No modification of this equipment is allowed.*

*Aucune modification de cet équipement est autorisée.*

** WARNING/AVERTISSEMENT**

*Assure equipment, patient, and other objects are in safe condition before operating the equipment.*

*Assurer l'appareil, patient, et d'autre objets sont dans un état sûr avant d'utiliser l'appareil.*

** WARNING/AVERTISSEMENT**

*This product contains chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm. See <http://www.mti.net/FAQs.aspx> for details on California Proposition 65.*

*Ce produit contient des produits chimiques reconnus par l'État de Californie pour causer le cancer et / ou des anomalies congénitales ou d'autres problèmes de reproduction. Voir <http://www.mti.net/FAQs.aspx> pour plus de détails sur la California Proposition 65.*

**Cleaning and Disinfection**

See "MTI Cleaning Solution Recommendation Letter" for more details on disinfecting solutions which have been tested on MTI's products. It is available for download at <http://www.mti.net/downloads.aspx> in the Product Support Bulletins folder, found under the Resources tab on our website. In the U.S. & Canada, call (888) 520-4998, or International, call (801) 875-4998 to request a copy.

**Painted and Plastic Surfaces**

All painted metal parts have been electrostatically painted and the paint is baked on for durability. Weekly, those surfaces should be wiped down with a quality grade cleaner and a soft cloth or a damp cloth with mild soap.

**Upholstery**

Upholstery should be cleaned weekly with a mild liquid soap and water mixture. Afterwards, wipe upholstery with a clean damp cloth.

**Calls for Service**

(888) 520-4998 | International (801) 875-4998  
[customer.service@mti.net](mailto:customer.service@mti.net) | [www.mti.net](http://www.mti.net)

## LIMITED WARRANTY

Medical Technology Industries, Inc. (hereinafter referred to as MTI), shall repair or replace products of its manufacture, which prove to be defective in material and/or workmanship for a period of twelve (12) months from the date of shipment to the customer (the "Warranty Period"). MTI will, at its option, provide parts to the customer or repair the defective part at MTI's factory or authorized repair facility. Except as it may otherwise specifically agree in writing, MTI shall not be liable for transportation or labor charges for repairs or adjustments or other work done on any of its products by MTI's authorized dealers or service organizations.

Customer shall notify MTI of any alleged claim or defect within fourteen (14) days from the date customer discovers, or upon reasonable inspection should have discovered, such alleged claim or defect (but in any event before the expiration of the Warranty Period). All repair parts are warranted for Ninety (90) calendar days from the date of shipment to the customer. Warranty is non-cumulative.

This warranty does not apply to any part or product which upon examination by MTI or its authorized agents indicates the product has been repaired or altered in any way by persons other than MTI or its authorized agents, has been misused, abused or used in a manner contrary to any instructions issued by MTI. Any parts or products claimed under this warranty must be properly packaged by customer and returned to MTI's factory with no liability to MTI for the parts, products or transportation charges thereon.

In no event, shall MTI have any liability for consequential, indirect, incidental, special, exemplary, punitive or enhanced damages, lost profits or diminution in value arising out of or relating to a product defect or the repair or replacement of any products manufactured or sold by it.

THE FOREGOING LIMITED WARRANTY IS MADE IN LIEU OF ALL WARRANTIES EXPRESSED OR IMPLIED, AND MTI MAKES NO OTHER WARRANTY WHATSOEVER WITH RESPECT TO THE PRODUCTS INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.



Strength in patient care.™

3655 W Ninigret Drive, Salt Lake City, Utah, 84104-6572  
(800) 924-4655 • (801) 875-4999 • Fax (801) 952-0548  
[www.mti.net](http://www.mti.net)

© MTI, Inc. All rights reserved.  
MTI reserves the right to make any  
product changes without notice.  
073170 Rev A