

7260

**DigiTOL®
Railroad Track
Scale
Weighbridge**

**Installation and
Service Manual**

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INTRODUCTION

This publication is provided solely as a guide for individuals who have received Mettler Toledo Technical Training in servicing the Mettler Toledo product.

Information regarding Mettler Toledo Technical Training may be obtained by writing to:

METTLER TOLEDO
Training Center
P.O. Box 1705
Columbus, Ohio 43216
(614) 438-4400

IMPORTANT!

It is most important that the correct part number is used when ordering. Parts orders are machine processed, using only the part number and quantity as shown on the order. Orders are not edited to determine if the part number and description agree.

**METTLER TOLEDO RESERVES THE RIGHT TO MAKE REFINEMENTS OR
CHANGES WITHOUT NOTICE.**

PRECAUTIONS

- **READ** this manual **BEFORE** operating or servicing this equipment.

- **FOLLOW** these instructions carefully.

- **SAVE** this manual for future reference.

- Failure to use proper precautions when handling **ELECTRO STATIC SENSITIVE DEVICES** may result in component or equipment failure.

- **ELECTRICAL SHOCK HAZARD:** Only permit qualified personnel to service this equipment and/or make checks, tests, and adjustments.

- **ALWAYS REMOVE POWER** and wait at least **30 seconds BEFORE** connecting or disconnecting any internal harnesses. Failure to observe these precautions may result in damage to, or destruction of the equipment.

- **CALL Mettler Toledo** for parts, information, and service.

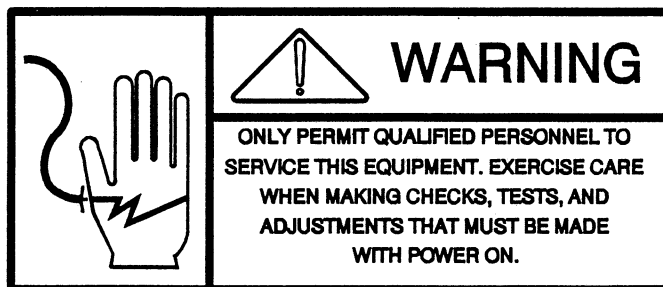
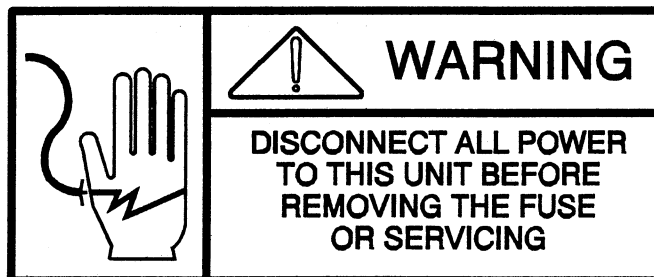


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1. INTRODUCTION

The Mettler Toledo Model 7260 DigiTOL Railroad Scale is a prefabricated, modular railroad track scale designed to be mounted in a shallow pit. The scale weighbridge is shipped in complete weighbridge modules for fast, easy installation. Two scale lengths are available: a single weighbridge for a 12 ft 6 in. live weighing rail, and a double weighbridge for a 25 ft live rail. They can be utilized as individual modules or in various combinations to accommodate different car lengths.

1.1 A.R.E.A. DESIGN

Rail scale design and performance are strictly regulated by A.A.R. (Association of American Railroads), A.R.E.A. (American Railroad Engineering Association), and NIST (National Institute of Standards and Technology). Mettler Toledo meets or exceeds these criteria. Weighbridge steel is designed for Cooper E-80 loading. The 12 ft 6 in. weighbridge is rated at 85 tons/section, 85 tons gross, and the 25 ft weighbridge is rated at 85 tons/section, 170 tons gross.

1.2 DigiTOL POWER CELLS

Mettler Toledo's DigiTOL Power Cells are the heart of the scale. The 100K stainless hermetically sealed cells are not only rugged and reliable, the cells are shift adjusted and calibrated from the scale indicator. In addition, the digital diagnostics eliminate time consuming troubleshooting.

1.3 FACTORY ASSEMBLED

Each weighbridge is factory assembled eliminating time-consuming field assembly, making installation fast and simple, while assuring quality construction. Weighbridges can be shipped via Mettler Toledo trucks. No special permits are required for shipment of assembled weighbridges.

1.4 RAIL ALIGNMENT

Extra rugged steel RAIL STANDS are supplied for each end of the module. Approach rails are held in place on the rail stand for proper alignment and protection from rail expansion. Pre-drilled and tapped holes simplify the mounting of the live rail.

2. SITE SELECTION AND PREPARATION

2.1 SITE REQUIREMENT

- 2.1.1 The site should have good drainage. Surrounding areas should not drain through the scale site. The ideal scale site is on ground elevated above the surrounding area.
- 2.1.2 Check for buried pipes, sewer lines, wires, or foundations that would interfere with footing construction.
- 2.1.3 The scale should be located away from high power electrical transmission lines or substation.
- 2.1.4 The scale should not be located in high traffic areas that would expose it to unnecessary traffic. Railcars should remain on the scale for a period of time no longer than is necessary for obtaining the vehicle weight, or for completing the filling or unloading of the vehicle.
- 2.1.5 Check with the state and railroad weighs and measures officials to make sure the location will meet with all their requirements. Some groups require the scale platform to be clearly visible from the location of the scale instrument. Sometimes a closed circuit TV will serve the purpose.

Scale drawings and site locations must always be approved by the serving railroad prior to the start of construction.

- 2.1.6 If the soil does not have a bearing pressure of at least 4000 P.S.F. and its capacity cannot be increased by drainage, stabilization, or other means, a pile foundation shall be provided (by others) per A.A.R. (2.27.19).

2.2 FOUNDATION

The foundation is designed around A.R.E.A. guidelines and is based on superimposed scale loads, normal truck surcharge that generates bearing pressure of 2500 pounds per square foot.

Be sure to use the latest foundation revision. Twenty five foot approaches are required on both ends of the scale. Fifty foot approaches are required if double draft weighing is to be used.

Model Number	Size	AREA Foundation Drawing Number
72600001	12' 6"	TC200604
72600002	25'	TC200605
*Multiple Combinations		TC200669

* This layout is used in conjunction with drawing numbers above.

2.3 CURING

Let the concrete cure 7 - 10 days before installing the scale. The concrete will not reach full strength for 28 days.

3. RECEIVING AND INSPECTION

NOTE: In the shipping packet is a warranty card. In order for your warranty to be in effect, this card must be completed and returned to Mettler Toledo. If the optional Lightning Protection System is included, a lightning warranty card must be returned additionally, along with required verification photos.

3.1 INSPECTION

Check off all items received against the shipping document. If any items are missing, notify the carrier immediately in order to collect damages.

The model 7260 Railroad Track scale will consist of six major items:

- Foundation kit of parts (base plates and anchors)
- Prewelded weighbridge modules
- DigiTOL 100K Power Cells
- Installation Kit (J-boxes, cables, upper and lower receivers)
- Indicator
- Printer

Optional Items:

- Auxiliary power supply
- Anti-creep brackets
- Lightning Protection kit of parts

Inspect all items received for physical damage. If damage is noted, please notify your carrier immediately in order to collect damages.

CAUTION !

WHENEVER MOVING THE MODULE, AVOID MECHANICAL SHOCK. THESE MODULES SHOULD ALWAYS BE MOVED SLOWLY AND CAREFULLY. ENSURE THAT THE LIFTING DEVICE BEING USED TO MOVE THE MODULE IS OF SUFFICIENT CAPACITY TO SAFELY AND SECURELY HANDLE THE PLATFORMS.

WHEN THE MODULE IS BEING MOVED, NEVER PLACE YOUR HANDS OR OTHER ITEMS BETWEEN THE PLATFORM AND ANY OTHER SURFACE. IF IT IS NECESSARY TO PLACE YOUR HANDS UNDER THE MODULE DURING THE INSTALLATION PHASE, THEN ENSURE THAT THE SECTION IS PROPERLY BLOCKED SUCH THAT IT IS IMPOSSIBLE FOR IT TO MOVE. FAILURE TO FOLLOW THIS WARNING COULD RESULT IN PHYSICAL HARM AND/OR PROPERTY DAMAGE.

3.2 UNLOADING PROCEDURE

If the 7260 DigiTOL Railroad Track scale is being delivered by a Mettler Toledo truck, the unloading will be handled and supervised by the Mettler Toledo driver. If the scale is being delivered by a common carrier or customer truck, the modules must be lifted per the procedure shown in Figure 3.1. To avoid damage to the scale, hook to the module as shown. Proceed as follows:

Legs to be shorter than other two (2) legs. – To allow other end of weighbridge to contact locating tools first.

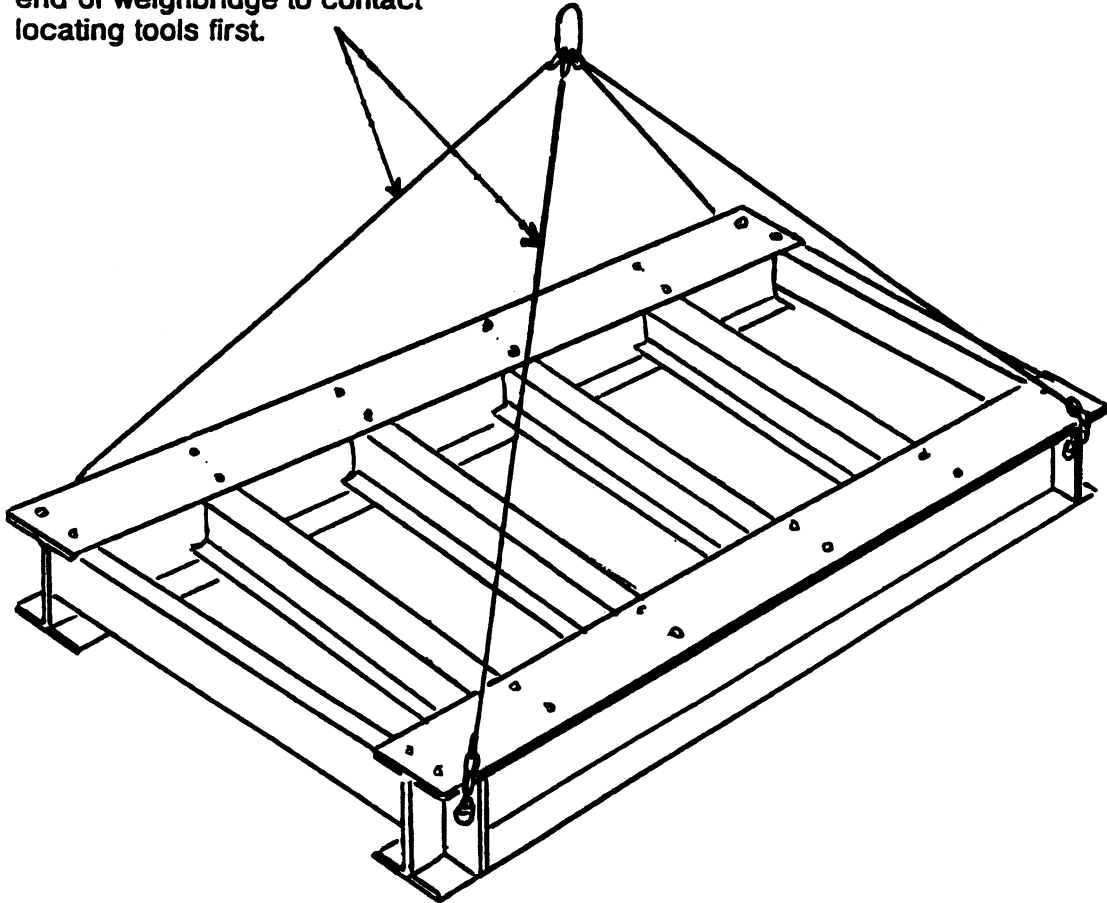


Figure 3.1 Weighbridge Lifting Procedure

Scale Length	Weighbridge Weight (lb)
12' 6"	5,000
25'	4,950 Each Module

Table 3-1 Approximate Module Weight

4. INSTALLATION SUPPLIES CHECKLIST

The following equipment or other items are required to properly install a 7260 Railroad scale. These items are not supplied by Mettler Toledo.

4.1 MATERIAL

- 1) Non-shrink, high quality grout and mixing tools
- 2) A small supply of Never-Seez bearing compound or good quality grease.

4.2 TOOLS

- 1) Transit, tripod, rod
- 2) 6 in. spirit level
- 3) 100 ft Measuring Tape
- 4) 100 ft Chalk Line
- 5) 6 ft Crow Bar to align modules
- 6) FET Meter or Simpson voltmeter, 100+ meg ohm for insulation and ground check
- 7) Normal installation tools including wood blocks and two (2) short hydraulic jacks
- 8) Locating tools # TA200831

Qty. of (4) required for 12 ft 6 in. weighbridge

Qty. of (6) required for 25 ft weighbridge

- 9) Socket set, $\frac{3}{8}$ in. to 1 $\frac{1}{2}$ in. including:
1 $\frac{1}{2}$ in. anchor bolt nuts, 1 $\frac{3}{16}$ in. receiver plate bolts
- 10) Open / box end wrench set, $\frac{3}{8}$ in. to 1 $\frac{1}{2}$ in., plus:
2 $\frac{1}{4}$ in. Center connection rods (Double-Only)
- 11) Breaker bar or torque wrench (preferred)
- 12) Allen wrenches or hex socket drivers
- 13) Welding apparatus

4.3 WEIGHBRIDGE INSTALLATION CHECKLIST

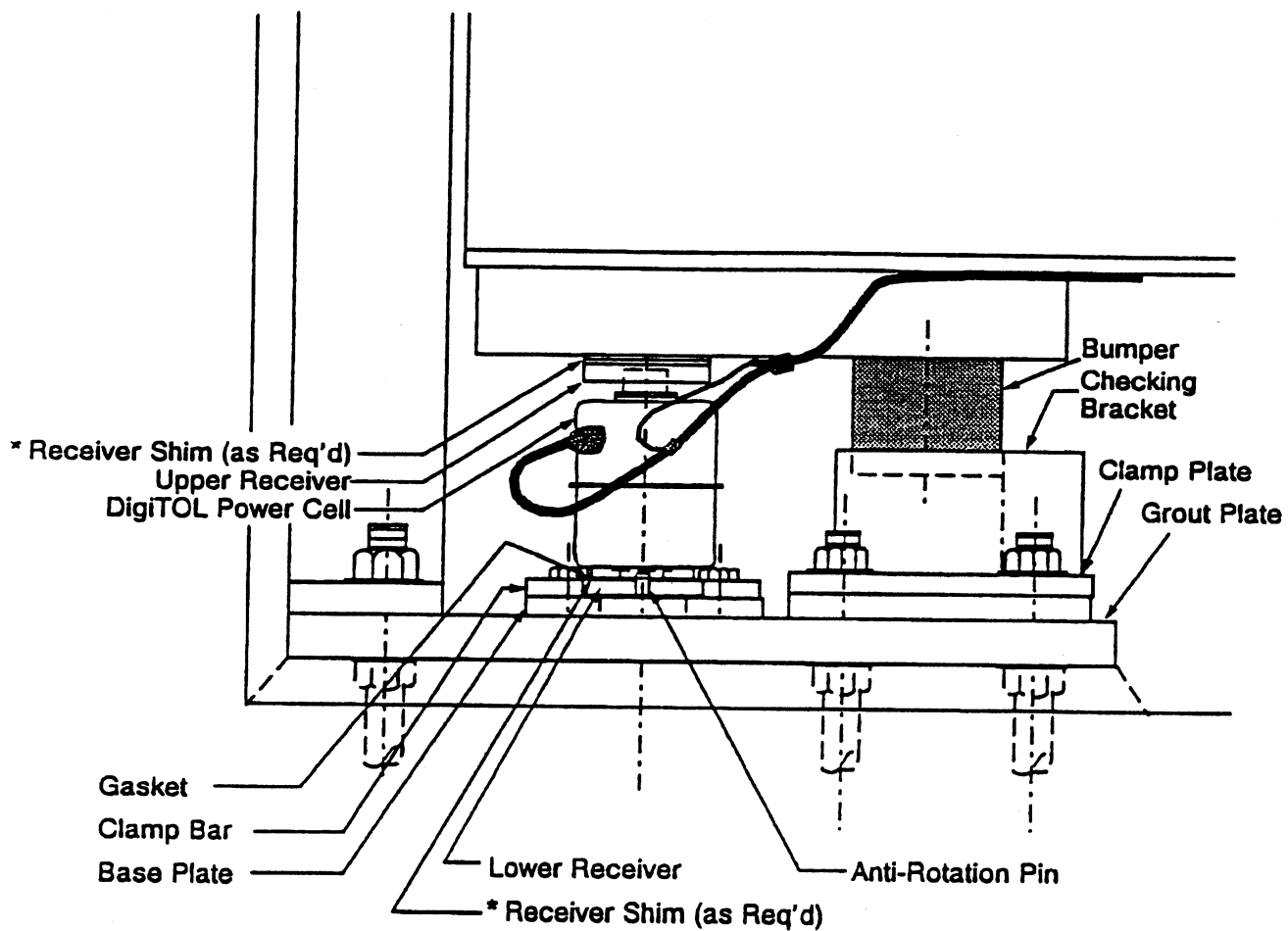
This list summarizes the basic sequence of events required for proper installation of a 7260 DigiTOL Railroad Track Scale Weighbridge.

	Check (✓) When Complete
1. Install power cell base plates	_____
2. Install rail stands on base plates	_____
3. Set modules on locating tools	_____
4. Lock modules together (if 25 foot module)	_____
5. Align scale modules with dead rail	_____
6. Set check brackets to 1/8 in. nominal clearance	_____
7. Insert power cells	_____
8. Check/adjust scale elevation	_____
9. Install approach rail plates	_____
10. Install approach / live / and center span rail	_____
11. Install anti-creep brackets	_____
12. Verify check brackets 1/8 in. end - 1/16 in. side	_____
13. Verify rail alignment and elevation	_____
14. Wire scale	_____
15. Power scale up	_____
16. Check output of each cell - Corners within $\pm 20\%$ - Center cells (approx. twice the corners) side to side within $\pm 20\%$ - Compensate with shims if required	_____
17. Tighten all bolts/nuts (including weigh rail bolts)	_____
18. Grout under base plates	_____
19. Calibrate	_____
20. Skip weld all bumper bracket to base plate	_____

5. INSTALLATION

5.1 MECHANICAL INSTALLATION

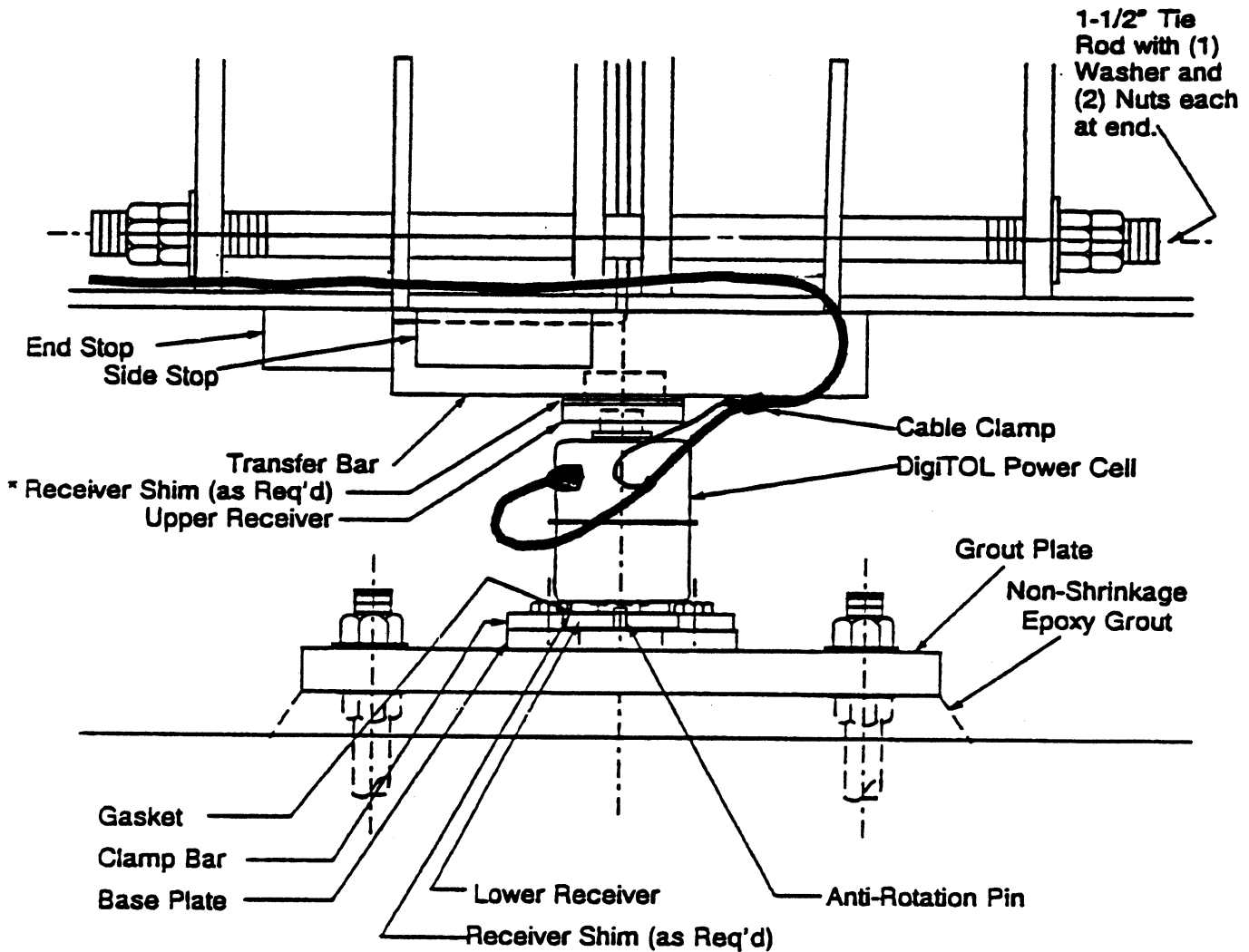
- 5.1.1 Ensure that all base plates, receiver plates, check brackets, and associated hardware is installed on the foundation anchor bolts as shown on the assembly drawing.
- 5.1.2 Remove the upper nuts from each pair of anchor bolts (both sides) closest to the ends of the pit. This is a total of eight (8) nuts per scale. Place the individual rail stands on the anchor bolts and foundation plates and replace the nuts, tightening until just snug. (See Figure 5.1).
- 5.1.3 Set the height on all the receiver plates (plate on top of the base plates) so the top of receiver plates are nominally 2 ft - 1 ft $\frac{7}{8}$ in. from the top of the pit coping and level each plate to within 1/16 in. in 12 inches. SNUG UPPER NUTS.
- 5.1.4 Grease the shanks of the lower power cell hex receivers with a good quality grease e.g. Never-Seez, and set into receiver plates. Place locating tools into lower receivers.
- 5.1.5 Grease the shanks of the upper power cell receivers and install in the weighbridge receiver mounting blocks. Remove the access covers at each end of the weighbridge module(s).
- 5.1.6 If a single scale, set the single weighbridge module on the locating tools, adjusting the receiver plates as required. If you are installing a single weighbridge only, skip directly to Section 5.1.8. If a double scale, set the first weighbridge module on locating tools as above. Follow by setting the second weighbridge module on the locating tools and the coupler bars of the first module.
- 5.1.7 For the Double Weighbridge only: Install the threaded rods on each side of the double weighbridge at the center connection. Use two (2) nuts and one (1) washer on each end of the rods. Tighten only the nuts closest to the washers until the coupler bars are tight against their respective stop blocks and then back off nuts until loose again. Re-tighten the nuts until snug tight only, approximately 20 - 30 foot pounds. Use the second nut as a locknut tightened against the first nut, holding the first nut so as to not over-tighten it. (See Figure 5.2).
- 5.1.8 Align the scale and the rail stands laterally, such that the rail bolt pattern centerlines on each line up with the approach rail centerlines. Using the adjustable receiver plates and base plates, ensure that the locating tools are fully seated, both top and bottom, so that the power cell receivers are properly aligned.
- 5.1.9 Set the end and side, check bracket (bumper) clearance to 1/8 in. nominal. Tighten the anchor bolts/nuts clamp bars.



***IMPORTANT!** Max. 3/8" of shims under the upper or lower receiver.
(total of 3/4" shimming max.)

Figure 5.1 DigiTOL Cell and Bumper Installation

NOTE: The rods are used to pull the transfer bars tight to the end stops (no gap). Then double nut at the end of rods to maintain weighbridge length.



**Figure 5.2 DigiTOL Power Cell Installation and Tie Rod Arrangement
(25 ft Weighbridge Only)**

- 5.1.10 Using a pair of hydraulic jacks, raise the weighbridge modules one end at a time and replace the locating tools with 45 ton power cells. Before installing power cell apply Magnalube-G to the surface of the cell buttons and fill lower hex receiver with a multi-purpose grease. The modules only need to be raised approximately 1 in. to make the exchange.

CAUTION!!

BE SURE TO BLOCK THE MODULES IN THE RAISED POSITION. OBSERVE ALL APPROPRIATE SAFETY PROCEDURES WHEN INSTALLING OR SERVICING THE POWER CELLS.

- 5.1.11 After replacing all locating tools with cells, recheck the alignment of the weighbridge, rail stand(s), and approach centerlines and make sure all cells are seated properly. Also, recheck the check bracket clearances to ensure that the scale is not hanging up at any bumper location.

NOTE: Final checking clearances will be set just prior to grouting.

- 5.1.12 Adjust the elevation of the scale using the nuts directly below the base plates to raise and lower the entire base plates. Be sure to maintain each base plate level to within 1/16 in. in 12 in. The elevation of the scale at the four (4) points where the rail comes on to the live weighbridge must be adjusted until they are as close to identical as possible and are equal to the elevation established for the bottom of the rail to within 1/32 in. This will also be the elevation of the top of the approach rail plates. Use a transit for this purpose.

- 5.1.13 Install and set the elevation of the approach rail plates using the anchor bolt nuts on the end walls and place required shim plates directly on top of the rail stand.

NOTE: Eight (8) 1-8 bolts X 5 in. long are required to attach rail clips, anti-creep angles, approach rail plate and shim plates to the rail stands.

- 5.1.14 On double scales only, adjust the base plates on the center power cell locations to bring them into the same elevation as the end units. Maintain base plates level to within 1/16 in. in 12 inches.

NOTE: The center base plates should always be in the same plane as the end base plates.

- 5.1.15 The approach rail, live rail, and dead rail between scales (if required) should then be installed in accordance with the respective foundation and general layout drawings. Take special care to ensure there is sufficient clearance between the live rails and the dead rails.

- 5.1.16 Install the approach rail and live rail anti-creep brackets. The anti-creep angles are secured by the anchor bolts and rail clip bolts. Using the anti-creep angles as a template, 1 - 1/16 in. holes are then drilled or punched in the rail and the 1 in. bolts, nuts, and lockwashers are installed and tightened. The intermediate dead rail between scales (if present) only requires anti-creep angles in the center of the two (2) rails.

IMPORTANT NOTES: The use of anti-creep angles is essential for continued performance of the scale. Without these angles, the rail(s) may move and ground out the live portion of the scale, causing scale weighing errors.

5.1.17 Carefully check all alignments and elevations. Reset the checking bracket clearances to provide 1/8 in. on the ends and 1/16 in. on the sides. Finally tighten all foundation nuts and bolts, working from the center of the scale towards each end in accordance with the appropriate general layout drawings.

5.1.18 Check that there is no visible or audible rocking in the scale.

DO NOT GROUT AT THIS TIME. Grouting should be done after the scale is wired and individual cell loading is checked by displaying each power cell's individual output (setup parameter 99). Also at this point the live rail should be in place but not bolted down tight. This ensures that the weighbridge is stable and that each cell is receiving an appropriate initial load.

If initial load adjustment is required, the lower anchor bolt/base plate nuts should be raised or lowered in increments of 1/8 turn. All nuts of an individual base plate must be adjusted the same. Turning the nuts clockwise decreases the initial load on the cell. In addition or as an alternative, up to 3/16 in. shims can be placed under the lower load receiver if required.

5.1.19 Recheck alignments, elevations, and checking bracket clearances. Retighten all nuts and bolts that were adjusted.

5.1.20 After checking each power cell's initial load and adjusting if necessary, grout under all base plates using an expanding type grout such as Embeco #885. Grout to develop 10,000 psi compressive strength in available curing time. If not already done, rail plates should be grouted at this time. Approximately 250 lb of grout is required for a 12 ft module and 500 lb for a 25 ft module.

5.1.21 Skip weld all check brackets to the base plate(s), a minimum of (3) sides of the bracket. Weld should be 5/16 in. to 3/8 in. fillet x 1 in. long on 3 in. center minimum.

5.1.22 Tighten down all the live rail mounting bolts at this time.

5.1.23 Replace all access covers and plates.

5.2 GROUT

Grout load mounting plates and allow to cure before applying any load to weighbridge. Follow the grout manufacturer's instructions carefully. Some basic rules apply to all types:

- 1) The area must be clean and free from loose materials, oil, and dirt.
- 2) Soak the concrete pier with clean water for a period of several hours prior to pouring grout.
- 3) Build forms for the grout.
- 4) Mix grout completely, use grout in a flowable consistency and pour into form.
- 5) Make sure grout fully supports entire plate filling all voids. It is important that grout reaches design strength before any load is applied to the scale.

5.3 POWER CELL INSTALLATION (See Figure 5.3)

- 5.3.1 Remove all locating tools and install Power Cells. Before installing power cell apply Magnalube "G" to load surface of the cell buttons and fill lower hex receiver with a multi-purpose grease. Shims can be added under the top and bottom receivers in order to adjust the height of the scale up to 3/4 in. DO NOT PLACE more than 3/8 in. of shims under the top or bottom as the receiver could become dislodged. Be sure that the Power Cell cable connectors are on the upper half of the cell and point toward the inside of the scale.

CAUTION!!

BLOCK OR BRACE BOTH MODULES AS LONGITUDINAL CHECKING IS DISENGAGED WHEN A MODULE IS LIFTED.

- 5.3.2 When these modules are placed in position, check the bumper bolt gap. Bumper gap must be 1/16 in. for side bumpers and 1/8 in. for end bumpers.

Important!

Recheck bumper bolt clearances after sectioning and calibration. If any of the modules tend to rock up and down, shims may be added or removed underneath the Power Cell lower receivers.

NOTE: Final shimming if required to be determined by raw count readings of the DigiTOL Load Cells. (See Table 6-2) Final shimming to be done after addressing the load cells and before calibration of the scale.

5.4 LOAD CELL CABLING

At this point, mount the j-box to the j-box stand and route load cell cables through short pieces of tubing placed along the main girders. At this time do not connect the load cell cables to the load cells. This will be done at the load cells are being addressed.

It is important that all the electrical parts are kept absolutely dry on the inside and as dry as possible on the outside. The load cells, the connectors, and the junction boxes are made watertight, however, continuous exposure will cause corrosion which will eventually break down the seal and ultimately allow moisture to reach sensitive parts. Penetration of moisture can cause drifting, zerochange, and in general degrade the accuracy of the scale.

Some of the things that can be done to ensure satisfactory operation are:

1. Dress the load cell cables to form a drip loop to a point before the cable connects to the load cell or to the junction box. Water will drip onto the cable and follow the cable to its lowest point before dripping off; if a drip loop is provided, the water will run off before reaching a moisture sensitive component such as connectors or seals.

2. The load cells do not have cable integrally attached; therefore, when connecting the cable connector to the load cells, the connector must be correctly and completely seated so the gasket will seal out all moisture and so the pins are not bent. Do not sue wrenches or pliers on this fitting. If the fit is correct and free of foreign material, it can be assembled by hand. IMPORTANT: Do not use tools to tighten. Also, be sure the connection is free of any foreign material before applying grease. (Use grease supplied with scale.)
3. See 7260 wiring diagram for maximum home run cable length.

5.5 JUNCTION BOX

After calibration is complete, the junction box should be carefully sealed against moisture. Place the desiccant pack in the box. Make sure the desiccant is in an active (dry) condition. Tighten cover securely. Be careful that the bolts are not over-tightened as this could warp the cover or force the gasket out of place. The optimum screw torque is 20 in. - lb.

5.6 SCALE FINISHING

Inevitably the scale modules will be scratched and bumped in transit and installation. Paint is provided in the installation kit to touch up all of these areas to prevent rust. If a scratched area has started to rust, it should be cleaned with mineral spirits or lacquer thinner prior to applying the paint. Do not paint the scale platform when the temperature is below 60 °F (15 °C).

6. SCALE INDICATOR SETUP FOR 7260

*Total Capacity	Number of Load Cells	Programmed Capacity	Increment Size
85 Ton	4	170,000	50
170 Ton	6 or More	340,000	50

*Check serial plate on scale for total capacity.

Table 6-1 Scale Capacity and Increment Size

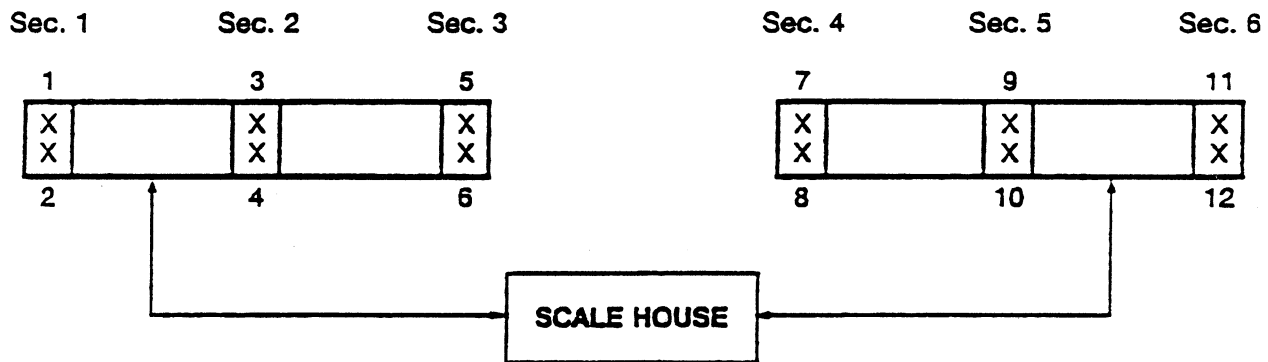


Figure 6.1 Recommended Power Cell Addressing
(Double Configuration Shown)

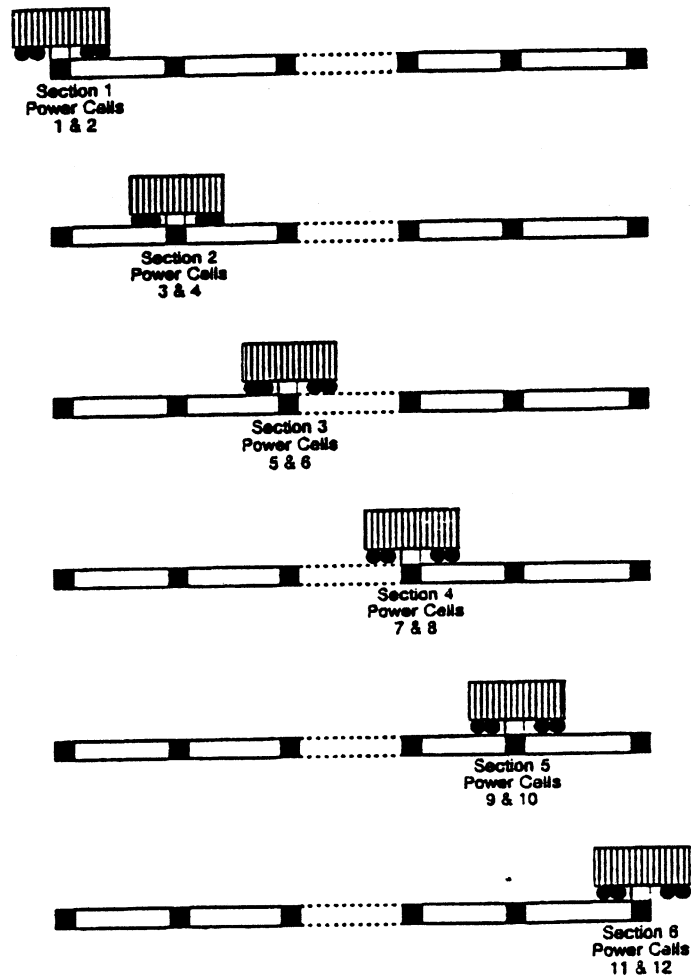


Figure 6.2 Test Car Positions for Shift Compensation

Cell Raw Count Range

Cell Position	Raw Count Reading
End Cell	1000 - 1500
Center Cell (25' Scale Only)	1980 - 2970

IMPORTANT!

If Raw Counts do not fall into the ranges listed in these tables, re-shim.

Table 6-2 Expected "Raw Count" Readings for Model 7260

7. WEIGHING IN-MOTION APPLICATION

- 7.1** Installation of the 12 ft 6 in. weighbridge is basically the same as covered in Section 5. The installation varies in that more importance must be placed on the leveling and alignment of the dead to live rails, to ensure smooth transfer of the wheel loading on and off the scale.
- 7.2** Check rods are used on the (in-motion) weighbridge to maintain the alignment of the rail. The rods are to be level with no weight on the weighbridge. The weighbridge is to be originated such that the two (2) longitudinal check rods are in tension when a loaded car decelerates on the scale. Following this specification the check rods would be attached to the approach end wall (not exit end) for most used direction of traffic.

NOTE: After calibration, tack weld all nuts on the check rods and brackets.

- 7.3** Scale approach must be straight and level for 500 ft before and after the scale. The first 75 ft of the approach on each end of the scale must be concrete.
- 7.4** Rail should be welded without splice joints on the approaches. Switch points are required in each rail at the opposite end of the approach from the scale to provide for expansion of the approach rail away from the scale.
- 7.5** The weighbridge and approach rail are to be cut at a 45° angle (top of rail only). A 3/8 in. gap is to be maintained between the weigh rail and the approach rail.

8. MAINTENANCE

8.1 FREQUENCY

Since the scale has no moving parts, it requires only minimum maintenance. It is important to keep debris from collecting underneath the scale. Each module is epoxy painted. The scale will need to be repainted periodically depending on usage, location, and general paint wear. When repainting, ensure that the deck is clean and any rust is removed. Apply an epoxy paint for best results.

Scale bumpers need to be checked every three months. This may vary with scale and usage.

The calibration of the scale should be checked every six months.

The desiccant in the junction boxes should be checked on service inspections and replaced every year.

8.2 POWER CELL REPLACEMENT

If a power cell needs to be replaced, proceed as follows:

Shut power OFF to scale indicator.

Remove the access plate over the cell to be replaced. The access plates are secured with stainless steel hex bolts for easy servicing.

The corner of the weighbridge over the cell needs to be raised approximately 1 ½ inches to remove the load from the cell. No vehicles or weights should be on the scale at this time.

Be sure that the platform is properly blocked after it has been raised before attempting to remove the load cell.

CAUTION!!

WHEN THE MODULE IS BEING LIFTED TO REPLACE CELL, NEVER PLACE YOUR HANDS OR OTHER ITEMS BETWEEN THE PLATFORM AND ANY OTHER SURFACE. IF IT IS NECESSARY TO PLACE YOUR HANDS UNDER THE MODULE DURING CELL REPLACEMENT, THEN ENSURE THAT THE SECTION IS PROPERLY BLOCKED SUCH THAT IT IS IMPOSSIBLE FOR IT TO MOVE. FAILURE TO FOLLOW THIS WARNING COULD RESULT IN PHYSICAL HARM AND/OR PROPERTY DAMAGE.

Place the jacking mechanism in position and remove the blocks. Slowly lower the section back onto the new Power Cell. Inspect the other power cells to make sure that they are still fully seated in their receivers.

Restore power to the indicator.

Enter the setup mode on the indicator and access cell replacement parameter. Refer to indicator manual for explanation of Parameter for Power Cell removal and replacement.

Replace the access cover and check the calibration of the scale. Recalibrate if required.

8.3 SPARE PARTS LIST

PART NUMBER	DESCRIPTION
14002900A	45,000 kg DigiTOL Cell (CMOS)
TA200835	Upper Receiver with O-Ring
MN61016-13	Gasket
TA200830	Lower Hex Receiver
MZ0904000063	1/2 in. Roll Pin (7/8 in Projection above Base Plate)
TA200833-1	Receiver Shim (11 Ga.)
TA200833-2	Receiver Shim (16 Ga.)
13635300A	J-Box, CMOS PCB
TA200831	Locating Tool (Use for installation only) (Ref. Only)

8.4 SPECIFICATIONS - POWER CELLS

MODEL
0760

NTEP
(National Type Evaluation Program) Certificate of Conformance Number 88-091A1 for Class III, n = 10,000 devices.

CAPACITY
45,300 kg / 99,202 lb

MATERIAL
Stainless Steel

ENVIRONMENTAL PROTECTION
Hermetically Sealed

OUTPUT
Mettler Toledo DigiTOL Protocol

Part Number	General Layout	Foundation		Wiring Diagram	
		Steel	Drawing	CMOS Standard	CMOS Hazardous
72600001 Single 12 ft - 6 in.	TC202363	TB200601-01	TC200604	TC100460	
72600002 Double 25 ft	TC202365	TB200601-02	TC200604	<u>Ref.</u> TC100491 Wiring	<u>Ref.</u> Wiring

Wiring Diagram NMOS For Scales Shipped Before April 1, 1993	TC100340
	<u>Ref.</u> TC100372 Wiring

METTLER TOLEDO
Scales & Systems
6600 Huntley Road
Columbus, Ohio 43229-1012

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