

# H.J. Skelton (Canada) Ltd.

## RRT-2008

### TRACK GAUGE AND ELEVATION LEVEL INFORMATION AND SPECIFICATION

MANUFACTURED AND ASSEMBLED IN USA (OH)



#### RRT-2008 OPERATION INSTRUCTIONS:



#### 1. MEASURE TRACK GAUGE

**MEASURE TRACK GAUGE 56 1/2(+ 1 3/4 TO – 1 1/2 INCHES)  
INCREMENTS OF 1/16 FOR CRITICAL CHECKS.**

**SIMPLY SET WIDE END (FIXED END) OF GAUGE ON ONE RAIL AND SLEW GAUGE TO LEFT AND RIGHT TO VERIFY CONTACT POINTS ARE FLUSH TO RAIL. LOWER BETWEEN RAILS. NEXT, WITH ONE HAND GRAB HANDLE AND LIGHTLY PUSH FIXED END OF GAUGE AGAINST RAIL AND HOLD. NEXT, WITH OTHER HAND SLIDE THE BLACK KNOB TOWARDS GAUGE RAIL UNTIL CONTACT. RELEASE, READ MEASUREMENT.**

#### 2. MEASURE GUARD CHECK GAUGE.



**MEASURE FROM 53 3/4 TO 56 5/16**

***\*THE DISTANCE BETWEEN THE GAUGE LINE OF A FROG TO THE GUARD LINE OF ITS GUARD RAIL OR GUARDING FACE, MEASURED ACROSS THE TRACK AT RIGHT ANGLES TO THE GAUGE LINE.***

**TO MEASURE GUARD CHECK.**

**SIMPLY SET WIDE END (FIXED END) OF GAUGE ON FROG GAUGE LINE AND SLEW GAUGE TO LEFT AND RIGHT TO VERIFY CONTACT POINTS ARE FLUSH TO RAIL, LOWER NARROW END BETWEEN GUARD RAIL AND RUNNING RAIL. NEXT, WITH ONE HAND GRAB HANDLE AND LIGHTLY PUSH FIXED END OF GAUGE AGAINST FROG AND HOLD. NEXT, WITH OTHER HAND SLIDE THE BLACK KNOB BACK TO CONTACT GUARD RAIL. RELEASE, READ MEASUREMENT.**

H.J. Skelton (Canada) Ltd.

**2475 Aviation Lane - London ON - N5V 3Z9 - Canada**

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## 3. TWO PIECE DESIGN



**ALL GAUGES ARE EASILY TRANSPORTABLE WITH OUR 2 PIECE DESIGN IN EVERY GAUGE. SEPARATES TO A LENGTH OF 44" FOR EASY HANDLING AT 8 LBS.**

TO SEPARATE, SIMPLY REMOVE ALLEN WRENCH FROM HANDLE, INCLUDED. LOOSEN THE 2 SOCKET HEAD BOLTS NEAREST HANDLE AND REMOVE. PULL SMALL END FROM LONG END. GAUGE WILL SEPARATE. REINSTALL SOCKET HEAD BOLTS IN HOLES FOR TRANSPORT. REVERSE PROCEDURE TO REASSEMBLE.

## 4. LEVEL AND ELEVATION



**CROSS LEVEL AND OR ELEVATION FROM 0" TO 8".**

TOLERANCE OF  $\pm 1/16$

\* SIMPLY PLACE FIXED (WIDE) END OF GAUGE AGAINST LOW SIDE RUNNING RAIL. ADJUST GAUGE TO DESIRED ELEVATION AND LOCK. RAISE HIGH RAIL TO LEVEL AS INDICATED BY BUBBLE.\*

## 5. FLANGEWAY MEASUREMENT WORKS ON RAISED AND LEVEL GUARD RAILS



**1 7/8 FLANGEWAY WITH -3/8 TO +1 1/8 RANGES.**

\*SIMPLY SET WIDE END (FIXED END) OF GAUGE ON TRACK BETWEEN GUARD RAIL AND RUNNING RAIL. SLEW GAUGE TO LEFT AND RIGHT TO VERIFY CONTACT POINTS ARE FLUSH TO RAIL, LOWER BETWEEN RAILS. WHILE HOLDING TO HANDLE, LOOSEN KNOB ON FIXED END AND SLIDE OUT TO CONTACT GUARD RAIL, READ MEASUREMENT. (NOTE: LOCK AGAINST FIXED END WHEN NOT IN USE TO PREVENT INTERFERENCE DURING STANDARD GAUGING.)

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## 6. GUARD FACE GAGE CHECK



***\*THE DISTANCE BETWEEN GUARD LINES, MEASURED ACROSS THE TRACK AT RIGHT ANGLES TO THE GAUGE LINE.***

**RANGE FROM 51 ¾ TO 55 5/16**

**TO CHECK GUARD FACE MEASUREMENT.**

**SIMPLY SET WIDE END (FIXED END) OF GAUGE ON FROG JUST BEHIND POINT AND SLIDE GAUGE FORWARD UNTIL CONTACT POINTS FLUSH AGAINST FROG FIELD SIDE FLANGEWAY. SLEW GAUGE SLIGHTLY LEFT AND RIGHT TO VERIFY CONTACT POINTS ARE FLUSH TO RAIL. NEXT LOWER TRACK GAUGE (NARROW MOVING END) BETWEEN RAIL AND GUARD RAIL. NEXT, WITH ONE HAND GRAB HANDLE AND LIGHTLY PULL FIXED END OF GAUGE AGAINST FROG AND HOLD. NEXT, WITH OTHER HAND SLIDE THE BLACK KNOB BACK TO CONTACT GUARD RAIL. RELEASE, READ MEASUREMENT.**

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## **PARTS AND INFORMATION!**

**RRT-2008**

**THE FOLLOWING PAGES INCLUDE AN  
ESTIMATE, DRAWING, AND ACCESSORIES,  
THESE INCLUDE ALL PARTS OF THE  
RRT-2008 TRACK GAUGE.**

**ESTIMATE INCLUDES REQUIRED NUMBER  
OF PARTS THEIR PART NUMBER.**

**ALL PARTS ARE IN STOCK AND ALL ARE  
REPLACEABLE.**

**THIS UNIT DOES LEND ITSELF TO ONSITE  
REPLACEMENT PART INSTALLATION AS  
THE UNIT IS EASILY AND COMPLETELY  
CALIBRATABLE AFTER REPAIRS.**

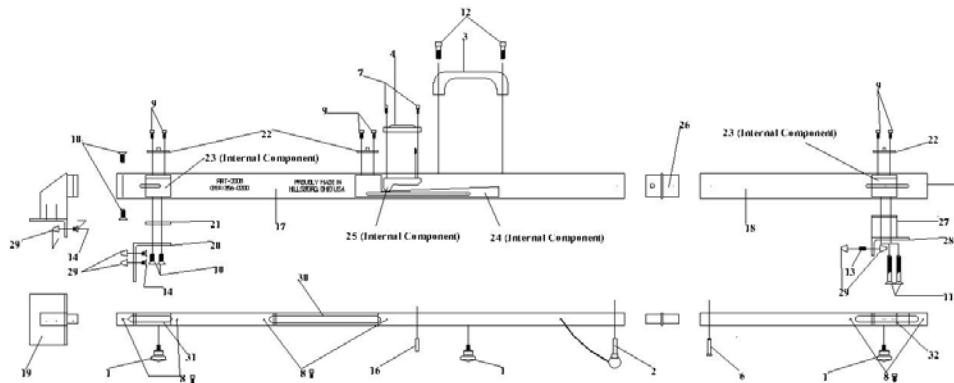
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## RRT-2008

### TRACK GAUGE AND ELEVATION LEVEL

RRT-2008, "Track Gauge & Elevation Level"

Part#	Item Description	Qty Rod	Part#	Item Description	Qty Rod
1	Knob	3	17	Main Beam	1
2	Cable Assembly	1	18	Short Beam	1
3	Handle	1	19	Fixed End	1
4	Level	1	20	Flangeway Angle	1
5	End Plug	1	21	Spacer	1
6	B-Clip Pin	1	22	Slotted Indicator	3
7	5/8 Socket Head Screw	2	23	Slider Block	2
8	1/4 Button Head Screw	6	24	Wedge Block	1
9	3/8 Button Head Screw	6	25	Level Mount	1
10	5/8 Flat Head Screw	4	26	Union	1
11	2-1/2 Flat Head Screw	2	27	Spacer Block	1
12	3/4 Socket Head Screw	2	28	Gauge Angle	1
13	5/8 Cup Point Set Screw	1	29	Contact Point	6
14	3/8 Flat Head Screw	4	30	Elevation Cover	1
15	3/16 Cup Point Set Screw	1	31	Flangeway Cover	1
16	Dowel Pin	1	32	Gauge Cover	1





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## **RRT-2008 ACCESSORIES**

### **RRT-2008VB NYLON CARRY BAG** STORE, PROTECT AND TRANSPORT YOUR RRT-2008



### **RRT-2008HC HARD CARRY BOX** STORE, SHIP AND PROTECT YOUR RRT-2008



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#### RECALIBRATION

**YOUR NEW RRT-2008 COMES PRE CALIBRATED AND IS IDENTIFIED WITH IT'S OWN SERIAL NUMBER.**

**THE GAUGE LENDS ITSELF TO BEING EASILY RECALIBRATED USING ONE SIMPLE TOOL, THE GAUGE IS FULLY RE-CALIBRATABLE.**

**SHOULD THE GAUGE BE REQUIRED TO BE RE-CALIBRATED FOR YOUR QUALITY PROGRAM OR JUST FROM WEAR AND OR AGE IT CAN BE DONE FOLLOWING THE BELOW STEPS.**

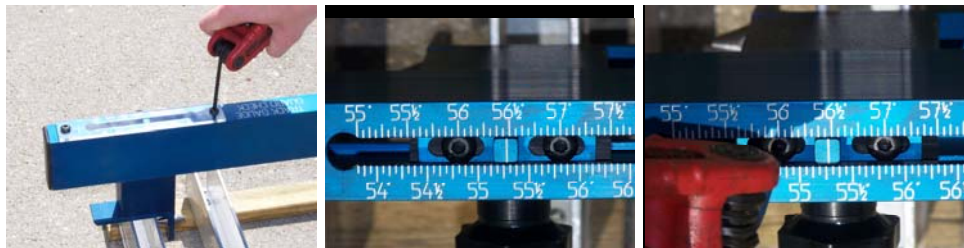
**IT WILL BE UNDERSTOOD IF THE GAUGE IS RECALIBRATED IT IS TO BE PERFORMED ON A CALIBRATED FIXTURE OR AN ACCEPTABLE FIXTURE IN YOUR QUALITY SYSTEM.**

**FIRST SLIT TAPE ALONG LENSES BETWEEN THE LENSE AND THE MAIN FRAME. NEXT USING A 1/8 SAE ALLEN WRENCH LOOSEN SET SCREWS ON EACH END OF LENSE AND REMOVE LENSE.**

**NEXT LOCATE THE TWO SET SCREWS ALONG EACH SIDE OF THE POINTERS. NOTICE THE POINTERS ARE SLOTTED FOR MOVEMENT.**

**NEXT POSITION GAUGE IN FIXTURE, CHECK CALIBRATION TO FIXTURE, IF ADJUSTMENT IS NECESSARY LOOSEN SET SCREWS ON EACH SIDE OF POINTER AND SLIDE TO SPECIFIC CALIBRATION MEASUREMENT. TIGHTEN SET SCREWS AND CHECK AGAIN.**

**REASSEMBLE AND IT IS SUGGESTED REPLACING TAPE TO PREVENT DIRT FROM GETTING UNDER LENSE.**



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