



Replacing Dials

READ COMPLETELY BEFORE ATTEMPTING INSTALLATION*

THESE INSTRUCTIONS ARE PREPARED TO ASSIST TRADESMEN AND OTHERS **QUALIFIED TO SERVICE LIQUID STORAGE TANK EQUIPMENT. CONSUMERS ARE NOT QUALIFIED TO PERFORM THE INSTALLATION DESCRIBED BELOW.**

IF YOU HAVE ANY QUESTIONS CONCERNING INSTALLATION OR OPERATION OF THE DIAL OR GAUGE, CONTACT ROCHESTER GAUGES, INC. OR ONE OF OUR AUTHORIZED DISTRIBUTORS FOR ASSISTANCE. CHECK SIDE OF GAUGE HEAD FOR MODEL NUMBER AND ASK FOR TECHNICAL DATA SHEET FOR YOUR MODEL.

CAUTION: Determine and install the appropriate magnetic dial based on gauge and system requirements. The dial type supplied may not be suitable for all applications and for those applications other dials may be available. The information contained herein is intended for guideline use only and the suitability of any dial or TwinSite® sender for a particular application must be determined by the user prior to installation.

1. Look for dial number on face of existing dial or TwinSite® sender.
2. Determine if identical dial chamber or TwinSite® sender may be suitable for your gauge and application.
3. Order appropriate dial chamber or TwinSite® sender. Gauge for TwinSite® sender must be equipped with large drive magnet. Confirm gauge model number and ask authorized distributor or factory to confirm drive magnet size.
4. Assure that replacement dial is the appropriate dial chamber or TwinSite® sender for your gauge and application.
5. Record reading on old dial, disconnect electrical connection to TwinSite®. Using a #1 Phillips screwdriver, remove two #6 screws retaining old dial chamber and remove old dial. Pry off snap-on dial by inserting flat blade screwdriver into slot between back of dial and top of gauge head.

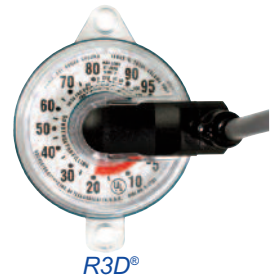
WARNING: Do not remove gauge mounting screws or bolts. Do not unscrew gauge heads that are screwed in to tank. Tank may contain high pressure and flammable gas. A hazard of fire or explosion may exist if gauge mounting screws, bolts or gauge heads are loosened or removed.

6. Install replacement dial or TwinSite® sender assuring that dial chamber fits gauge head and torque dial mounting screws at 4 to 5 IN. LB. [0,5 Nm]. Note: Align key on snap-on dial with notch on snap-on gauge head and snap replacement dial straight down on gauge head so that all dial snaps fit into gauge head groove. If standard junior, senior or snap-on dial does not fit gauge, ask about "Dial Kits" for obsolete gauges.
7. Compare new dial reading to recorded reading or estimated tank contents. If the new dial reading is not correct, remove dial and using a magnet near the back of the dial, rotate the pointer to approximate the expected dial reading and re-install dial. If reading still seems incorrect, the dial chamber may be the wrong type.
8. If replacement dial chamber is a TwinSite® sender, compare reading on sender with reading on receiver. If readings are different, the sender may not match the ohms requirements of the receiver. Look on TwinSite® dial for sender ohms range and compare with ohm range required for receiver. Ask for DS-923 with information about other TwinSite® senders and indicators. Contact authorized distributor or factory for assistance.
9. Plastic dials may not be compatible with some chemicals which may be in common use on a tank line. Examples: Rust Inhibitors, Solvent Based Paints, Lubricants, Leak Check Fluids and Cleaning Solvents, etc. The use of chemicals which attack plastic on or near dials can result in dial leakage or other immediate or latent dial damage. Chemical compatibility should be checked using full strength chemicals. After 72 hours of immersion, examine dials carefully for evidence of cracks or crazing.

CAUTION: Improper dial selection or application may result in inaccurate gauge readings. Release of tank contents as well as damage to equipment and safety hazard may result if tank is overfilled. Fuel exhaustion may occur if tank contents are less than indicated. This dial is not a substitute for a fixed liquid level gauge or weight measurement device that may be required for filling.

WARNING: IMPROPER INSTALLATION OR USE OF THIS DIAL MAY CAUSE SERIOUS INJURY OR PROPERTY DAMAGE.

* Materials and specifications are subject to change without notice.
Pressure ratings subject to change due to temperature and other environmental considerations.



R3D®


 Junior
Advanced Matrix
TwinSite®


Snap-on TwinSite®


 Snap-on
Direct Reading


Junior Direct Reading



WARNING:
Acrylonitrile, BPA
Cancer and Reproductive Harm
www.P65Warnings.ca.gov