

**GAMMON TECHNICAL PRODUCTS, INC.**  
**HEAVY-DUTY MANUAL BONDING/GROUNDING REEL**  
**GTP-9394-LH AND GTP-9394-RH SERIES**  
**INSTRUCTION 6475 – INSTALLATION AND MAINTENANCE**

**NOVEMBER 1, 2021**

**GENERAL DESCRIPTION**

THE HEAVY-DUTY MANUAL BONDING/GROUNDING REEL IS THE SIMPLEST FORM OF STATIC BONDING CABLE REEL WHILE BEING SMALL, LIGHTWEIGHT AND DURABLE. IT FEATURES; STATIC CONDUCTIVE NYLON DISCS, ALUMINUM HUB WITH CONDUCTIVE CORROSION PROTECTION, STAINLESS STEEL AXLE, BRACKET GUIDE, BRASS BUSHING (WITH SPECIAL CONDUCTIVE LUBRICANT), AND LARGE CAPACITY FOR LONG CABLES UP TO 100 FT. OUR MANUAL REELS CAN ALSO BE MOUNTED HORIZONTALLY OR VERTICALLY. THERE IS A SECOND SCREW HOLE TO ALLOW THE GUIDE ARM TO BE MOVED. FOR THE MOST FLEXIBILITY, THEY ARE AVAILABLE IN RIGHT AND LEFT HAND DRIVE AND CAN BE TOP AND BOTTOM GUIDED. THIS PRODUCT IS ALSO OFFERED IN MANY DIFFERENT CONFIGURATIONS.

**INSTALLATION AND MAINTENANCE**  
**(REFERENCE DRAWING WITH PARTS LIST, LAST PAGE)**

**INSTALLATION**

1. MOUNT THE REEL ASSEMBLY ONTO A CLEAN, BARE AND UNPAINTED METAL SURFACE USING BOLT HOLES PROVIDED IN BRACKET WITH (2) ½" DIAMETER BOLTS (NOT INCLUDED). IT IS HIGHLY RECOMMENDED THAT A COPPER WIRE (NOT INCLUDED) IS ATTACHED FROM THE REEL BRACKET TO EITHER THE MAIN TRUCK FRAME/GROUND BAR, OR TO A PUMP'S ELECTRICAL POWER SUPPLY GROUND.
2. IF EQUIPPED WITH CABLE WITH NO ACCESSORIES (CLAMP, PLUG, ETC.), THREAD THE CABLE THROUGH THE BRACKET GUIDE, (ITEM# 16). THEN ATTACH THE NECESSARY ACCESSORIES.
3. IF NOT EQUIPPED WITH CABLE, THREAD THE CABLE THROUGH THE BRACKET GUIDE (ITEM #16) IN THE DIRECTION TOWARD THE REEL. REMOVE THE PLASTIC COATING AND CRIMP A RING TERMINAL TO THE END OF THE CABLE. SECURE IT ONTO THE HUB WITH THE INCLUDED #10-32 X 5/16 LONG SCREW (ITEM# 1).
4. ATTACH OTHER ACCESSORIES TO THE CABLE (BEYOND THE BRACKET CABLE GUIDE) AS NEEDED. BE SURE TO REMOVE CABLE COATING TO ENSURE CONDUCTIVITY AS YOU INSTALL CONNECTION.
5. CHECK ELECTRICAL CONTINUITY FROM EVERY CLAMP AND/OR PLUG TO THE REEL BASE AND TO THE STRUCTURE THE REEL BASE IS ATTACHED TO.

## **MAINTENANCE**

1. IF CABLE IS ATTACHED, ENSURE ALL ACCESSORIES ARE REMOVED AND THE CABLE IS COMPLETELY WOUND ONTO THE REEL. USE TAPE TO SECURE THE CABLE TO THE REEL.
2. WITH THE BONDING/GROUNDING REEL MOUNTED ON A FIRM WORK SURFACE, REMOVE THE NUT (ITEM #6) WITH A 3/4" DRIVE SOCKET OR WRENCH, COUNTERCLOCKWISE.
3. REMOVE THE FLAT WASHER (ITEM #15) AND THEN THE TWO WASHERS (ITEM #4).
4. CAREFULLY PULL OFF THE ENTIRE REEL ASSEMBLY.
5. REMOVE THE SPRING SHIM (ITEM #19), THE SPRING (ITEM# 14), THE SECOND SPRING SHIM (ALSO ITEM #19), THE BELLEVILLE SPRING DISC (ITEM #18), AND THE TWO HALF INCH WASHERS (ITEMS# 15).
6. WITH A CLEAN RAG AND CLEANER/SOLVENT, CLEAN THE SURFACES OF THE WASHERS, SHIMS, DISC SPRING AND SPRING. ENSURE ALL COMPONENTS ARE COMPLETELY DRY.
7. REPEAT THE SAME PROCEDURE AS ABOVE FOR THE AXLE AND INSIDE THE HUB ASSEMBLY.
8. FOR STEPS 6 AND 7, SCOTCHBRITE CAN BE USED ON TARNISHED SURFACES. HEAVILY CORRODED OR DAMAGED PARTS SHOULD BE REPLACED.
9. **COAT THE AXLE AND INSIDE OF HUB ASSEMBLY WITH OUR SPECIAL STATIC CONDUCTIVE TL-9653 STATIC LUBE. DO NOT SUBSTITUTE!**
10. ASSEMBLY IS THE REVERSE OF DISASSEMBLY. ENSURE A SMALL AMOUNT OF THE STATIC LUBE IS PLACED BETWEEN THE SPRING, SHIMS, WASHERS, AND HUB.
11. TORQUE THE ½-13 NUT TO 40 IN/LBS.

## **TOOLS REQUIRED**

1. RATCHET WITH 3/4" DRIVE SOCKET OR 3/4" WRENCH (DISASSEMBLY ONLY)
2. TORQUE WRENCH AND 3/4" DRIVE SOCKET (ASSEMBLY ONLY)
3. CLEAN RAG, SOLVENT, AND SCOTCH-BRITE
4. WIRE CRIMPERS
5. PHILLIPS HEAD SCREWDRIVER
6. TL-9653 STATIC LUBE

