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 STRATO, INC

STRATO INSTALLATION PROCEDURE

STRATO EOCC HOSE ARRANGEMENT UPGRADE  
 FOR CANADIAN NATIONAL RAILWAY 978 SERIES CARS  
 (Refer to Strato Kit Drawing S4021AF43K2-APPL, REV D

1. DETERMINE IF CAR HAS SPRING RETURN CUSHION AND IF SPRING RETURN WILL BE REPLACED. MAKE ANY REPLACEMENT OF CUSHION BEFORE INSTALLING NEW EOCC COMPONENTS
2. REMOVE EXISTING TROLLEY COMPONENTS
3. CHECK ANGLE COCK FOR CORRECT OPERATION AND ATTACHEMENT TO CAR. REPLACE OR CORRECT WHERE NECESSARY.
4. IF SPRING RETURN IS TO BE RETAINED COPE SPRING BRACKET AS INDICATED ON DRAWING. IF GAS RETURN, REMOVE SPRING RETURN BRACKET.
5. FLAME-CUT 7/8 NUT. USE STRATO TOOL EOCT-FBPT TO SECURE Y47 PIN (Ø 3 1/2" COUPLER/YOKE PIN), REMOVE 7/8" BOLT
6. INSTALL STRATO "F" BRACKET ASSEMBLY USING NEW 7/8" X 9" GRADE 8 BOLT, INSERTED FROM INBOARD END OF BRACKET. TACK WELD NUT TO BLOT.
7. CHECK THAT DISTANCE FROM COUPLER PULLING FACE TO TRAINLINE SUPPORT BRACKET IS WITHIN RANGE OF 21" TO 22 1/2".
8. CHECK CONDITION & DATE OF REMOVED INTERMEDIATE HOSE FOR POSSIBLE RE-USE. REPLACE WITH FLANGE HOSE IF SERVICE DATE EXCEEDS 10 YEARS, OR IS ILLEGIBLE, OR SHOWS DAMAGE LIKELY TO LEAD TO LEAKAGE. INSTALL ANGLE COCK FLANGEADAPTER WHERE REQUIRED WITH FLANGE AT 90° TO COCK CENTER LINE. CONNECT INTERMEDIATE HOSE TO ANGLE COCK AND CHECK HOSE IS FREE TO MOVE BACK TO FULL EXTENT OF CUSHION TRAVEL WITHOUT FOULING CAR OR TRUCK COMPONENTS. CONNECT INTERMEDIATE HOSE TO TRAINLINE SUPPORT CASTING. INSTALL HOSE SUPPORT & HOSE HANGER CHAIN AND ADJUST LEVEL OF INTERMEDIATE HOSE.
9. INSTALL STRATO STRAIGHT SHANK END HOSE AND ADJUST HOSE SUPPORT TO POSITION GLADHAND 5" (LOADED CAR) OR 6" (EMPTY CAR) ABOVE RAILHEAD.
10. REPEAT INSTALLATION PROCEDURE ON OTHER END OF CAR.
11. AIR TEST CAR AND CORRECT ANY LEAKS DETECTED.

S4021AF43K2-IW, REV B.

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">STATUS</td> <td colspan="2" rowspan="2" style="text-align: center;">   <b>STRATO</b>            Quality Railroad Products         </td> <td colspan="2" rowspan="2" style="text-align: center;">           100 New England            Avenue Piscataway,            N.J. 08854            SD-4 REV. F         </td> </tr> <tr> <td style="text-align: center;">RELEASED</td> </tr> <tr> <td style="text-align: center;">REFERENCE DRAWINGS</td> <td colspan="4" rowspan="2" style="text-align: center;">           DESCRIPTION            INSTALLATION GUIDE            FOR KIT S4021AF43K2         </td> </tr> <tr> <td colspan="1" rowspan="5" style="font-size: small;">           UNLESS OTHERWISE SPECIFIED            TOLERANCES ARE AS FOLLOWS:             FRACTIONS      —      ±1/32"            TWO PLACES     —      ±0.010            THREE PLACES   —      ±0.005            ANGLES           —      ±2°            HOSE ASSY.     —      ±1% O.A.L.            MACHINED SURFACE      —      125            BROKEN EDGES:      R0.02 FILLET OR 0.01X45° CHAMFER         </td> <td colspan="2" style="text-align: center;">DRAWN BY</td> <td colspan="2" style="text-align: center;">CHECKED BY</td> <td colspan="2" style="text-align: center;">DATE</td> </tr> <tr> <td colspan="2" style="text-align: center;">LH</td> <td colspan="2" style="text-align: center;">KMCK</td> <td colspan="2" style="text-align: center;">05/13/04</td> </tr> <tr> <td colspan="2" style="text-align: center;">SCALE NONE</td> <td colspan="2" style="text-align: center;">DWG. NO.</td> <td colspan="2" rowspan="2" style="text-align: center;">REV</td> </tr> <tr> <td colspan="2" style="text-align: center;">SHEET 1 OF 1</td> <td colspan="2" style="text-align: center;">S4021AF43K2-IW</td> <td style="text-align: center;">B</td> </tr> </table>						STATUS	 <b>STRATO</b> Quality Railroad Products		100 New England Avenue Piscataway, N.J. 08854 SD-4 REV. F		RELEASED	REFERENCE DRAWINGS	DESCRIPTION INSTALLATION GUIDE FOR KIT S4021AF43K2				UNLESS OTHERWISE SPECIFIED TOLERANCES ARE AS FOLLOWS:  FRACTIONS      —      ±1/32" TWO PLACES     —      ±0.010 THREE PLACES   —      ±0.005 ANGLES           —      ±2° HOSE ASSY.     —      ±1% O.A.L. MACHINED SURFACE      —      125 BROKEN EDGES:      R0.02 FILLET OR 0.01X45° CHAMFER	DRAWN BY		CHECKED BY		DATE		LH		KMCK		05/13/04		SCALE NONE		DWG. NO.		REV		SHEET 1 OF 1		S4021AF43K2-IW		B
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