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**INSTRUCTION TO SERVICE**

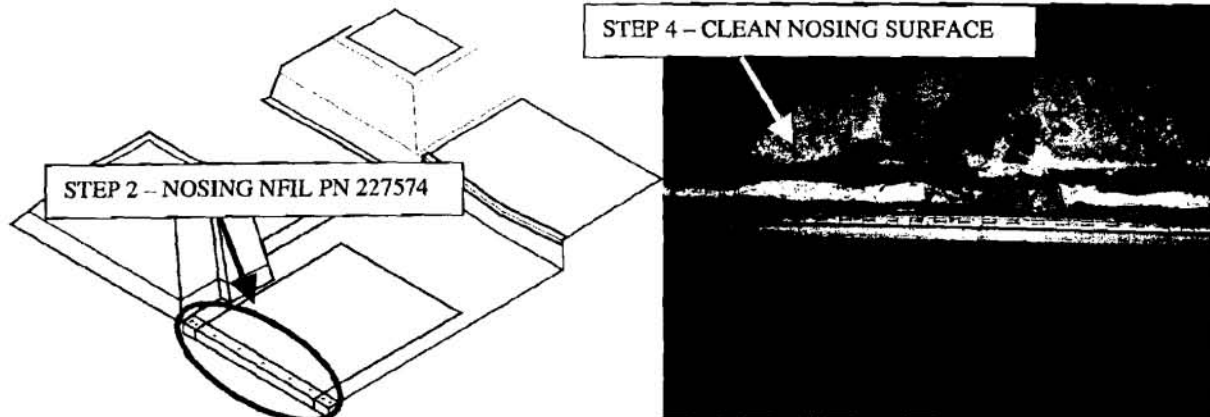
**ITS: 2833**

SECTION: <b>580</b>	MODEL: <input checked="" type="checkbox"/> 30FT <input checked="" type="checkbox"/> 35FT <input checked="" type="checkbox"/> 40FT <input checked="" type="checkbox"/> 60FT	TYPE: <input type="checkbox"/> HIGH FLOOR	WRITTEN BY: Bik Dhaliwal
Wheelchair Lift	<input checked="" type="checkbox"/> DSL <input checked="" type="checkbox"/> CNG <input checked="" type="checkbox"/> LNG <input checked="" type="checkbox"/> ELEC	<input checked="" type="checkbox"/> LOW FLOOR	

OBJECTIVE/SUBJECT: Install new hardware to wheelchair hinge (NFIL PN 220346)

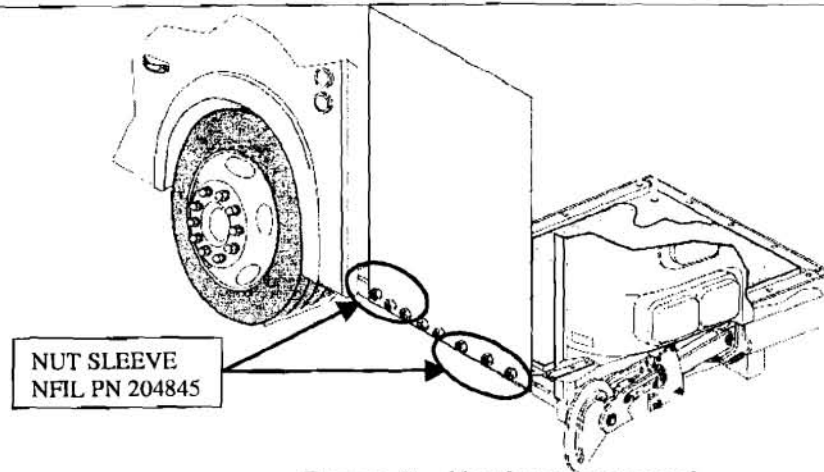
PROCEDURE:

1. Turn the main battery power disconnect switch "OFF".
2. Locate the nosing (NFIL PN 227574) on the wheelchair ramp. See Figure 1.



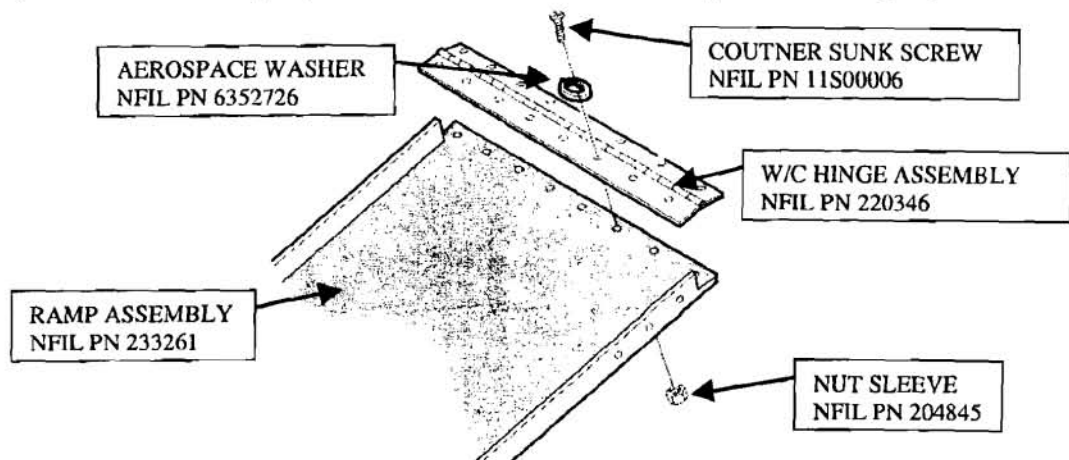
**Figure 1 – Nosing Location**

3. Remove (3) screws (NFIL PN 004944) from the nosing strip and remove strip. Store hardware for reinstallation if re-usable.
4. Clean the surface where the nosing was removed.
5. With one operator inside the coach manually lower the ramp so that the Nut sleeves (NFIL PN 204845) are accessible to the second operator outside the coach. See Figure 2.



**Figure 2 – Hardware removal**

6. Have one operator hold the nut sleeve in place with a flat head screw driver while the second operator removes the 3 outer most Pan head screws (NFIL PN 15S00004) on both sides. Store nut sleeves for reinstallation
7. Insert new countersunk screw (NFIL PN 11S00006) with Loctite (NFIL PN 8110440) and washer (NFIL PN 6352726) in place of removed screws in Step 6. Secure tightly.



**Figure 3 – New Hardware Installation**

8. Repeat steps 6 & 7 for the two remaining center screws.
9. Manually return the ramp to the stowed position.
10. Abrade and thoroughly clean the surfaces of the nosing that will be bonded to the wheelchair

ramp.

11. Apply white Sika 221 to 100% of the contact surface. Apply a generous bead of adhesive to the inside corner face of the nosing to prevent any gaps between the nosing and the ramp.
12. Manually lift the ramp so that it is vertical to the ground. See figure 2.
13. Secure nosing in place using the three screws removed in step 3.
14. If screws from step 3 are not re-usable, install 3 new screws (NFIL PN 004944). Screws are to be installed between the two ribs of the nosing. Locate the screws one-inch from each edge of the nosing, and center the third screw between the two edge screws.
15. Grind the protruding surface so that it is flush with the nosing strip.
16. Manually lower the ramp to its stowed position.
17. Clean any adhesive squeeze-out.
18. Turn the main battery power disconnect switch "ON".

## LABOUR ESTIMATE

	Operation	Men	Hours	Labour Time M X HR
1	Remove & Replace W/C hinge Assembly	2	0.25	0.5

## PARTS REQUIRED

Item	Part Number	Description	Qty. per Coach	Units	Notes
1	6352726	Aerospace Washer	8	EA.	
2	055701	Sika 221	0.25	EA.	
3	227574	Nosing Step Yellow	1	EA.	
4	11S00006	FH SS 10-32 x 3/8	8	EA.	
5	004944	Screw - tpg csk 10 - 32 x 1.0 Lg.	3	EA.	
6	8110440	Loctite - 242	0.2	EA.	

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**INSTRUCTION TO SERVICE**

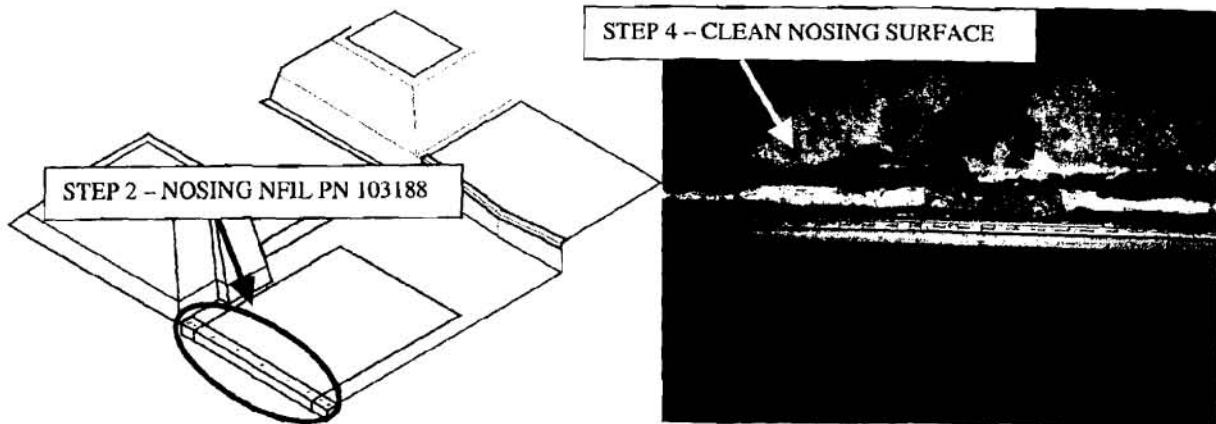
**ITS: 2834**

SECTION: <b>580</b>	MODEL: <input checked="" type="checkbox"/> 30FT <input checked="" type="checkbox"/> 35FT <input checked="" type="checkbox"/> 40FT <input checked="" type="checkbox"/> 60FT	TYPE: <input type="checkbox"/> HIGH FLOOR	WRITTEN BY: Bik Dhaliwal
Wheelchair Lift	<input checked="" type="checkbox"/> DSL <input checked="" type="checkbox"/> CNG <input checked="" type="checkbox"/> LNG <input checked="" type="checkbox"/> ELEC	<input checked="" type="checkbox"/> LOW FLOOR	

OBJECTIVE/SUBJECT: Install new hardware to wheelchair hinge (NFIL PN 220346)

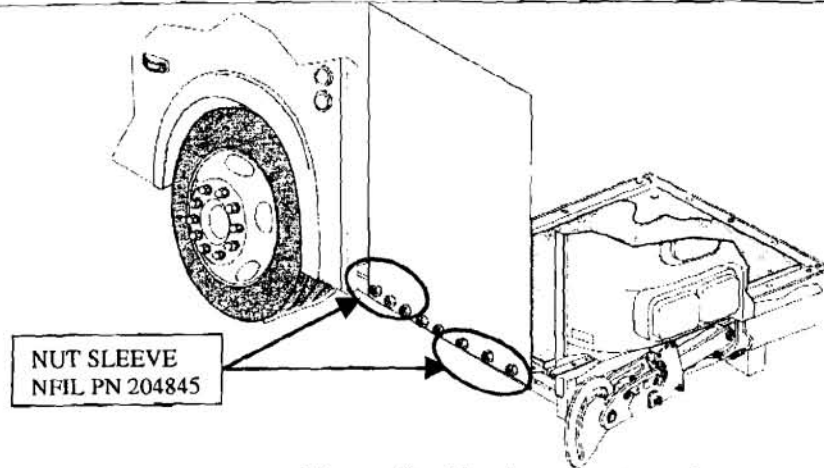
PROCEDURE:

1. Turn the main battery power disconnect switch "OFF".
2. Locate the nosing (NFIL PN 103188) on the wheelchair ramp. See Figure 1.



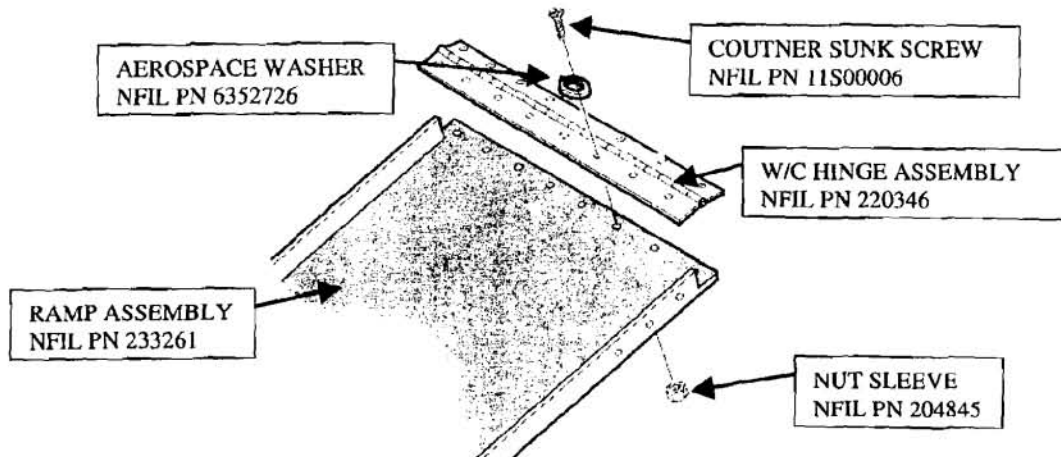
**Figure 1 – Nosing Location**

3. Remove (3) screws (NFIL PN 004944) from the nosing strip and remove strip. Store hardware for reinstallation if re-usable.
4. Clean the surface where the nosing was removed.
5. With one operator inside the coach manually lower the ramp so that the Nut sleeves (NFIL PN 204845) are accessible to the second operator outside the coach. See Figure 2.



**Figure 2 – Hardware removal**

6. Have one operator hold the nut sleeve in place with a flat head screw driver while the second operator removes the 3 outer most Pan head screws (NFIL PN 15S00004) on both sides. Store nut sleeves for reinstallation
7. Insert new countersunk screw (NFIL PN 11S00006) with Loctite (NFIL PN 8110440) and washer (NFIL PN 6352726) in place of removed screws in Step 6. Secure tightly.



**Figure 3 – New Hardware Installation**

8. Repeat steps 6 & 7 for the two remaining center screws.
9. Manually return the ramp to the stowed position.
10. Abrade and thoroughly clean the surfaces of the nosing that will be bonded to the wheelchair

ramp.

11. Apply white Sika 221 to 100% of the contact surface. Apply a generous bead of adhesive to the inside corner face of the nosing to prevent any gaps between the nosing and the ramp.
12. Manually lift the ramp so that it is vertical to the ground. See figure 2.
13. Secure nosing in place using the three screws removed in step 3.
14. If screws from step 3 are not re-usable, install 3 new screws (NFIL PN 004944). Screws are to be installed between the two ribs of the nosing. Locate the screws one-inch from each edge of the nosing, and center the third screw between the two edge screws.
15. Grind the protruding surface so that it is flush with the nosing strip.
16. Manually lower the ramp to its stowed position.
17. Clean any adhesive squeeze-out.
18. Turn the main battery power disconnect switch "ON".

<b>LABOUR ESTIMATE</b>				
	Operation	Men	Hours	Labour Time M X HR
1	Remove & Replace W/C hinge Assembly	2	0.25	0.5

<b>PARTS REQUIRED</b>					
Item	Part Number	Description	Qty. per Coach	Units	Notes
1	6352726	Aerospace Washer	8	EA.	
2	055701	Sika 221	0.25	EA.	
3	103188	Nosing Step Yellow	1	EA.	
4	11S00006	FH SS 10-32 x 3/8	8	EA.	
5	004944	Screw – tpg csk 10 – 32 x 1.0 Lg.	3	EA.	
6	8110440	Loctite	0.2	EA.	

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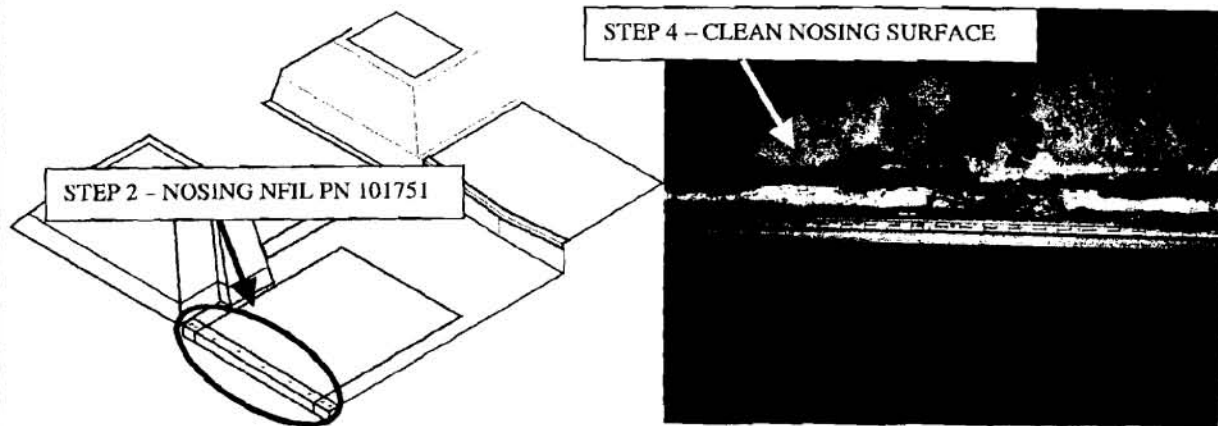
**INSTRUCTION TO SERVICE ITS: 2835**

SECTION: <b>580</b>	MODEL: <input checked="" type="checkbox"/> 30FT <input checked="" type="checkbox"/> 35FT <input checked="" type="checkbox"/> 40FT <input checked="" type="checkbox"/> 60FT	TYPE: <input type="checkbox"/> HIGH FLOOR	WRITTEN BY: Bik Dhaliwal
Wheelchair Lift	<input checked="" type="checkbox"/> DSL <input checked="" type="checkbox"/> CNG <input checked="" type="checkbox"/> LNG <input checked="" type="checkbox"/> ELEC	<input checked="" type="checkbox"/> LOW FLOOR	

OBJECTIVE/SUBJECT: Install new hardware to wheelchair hinge (NFIL PN 220346)

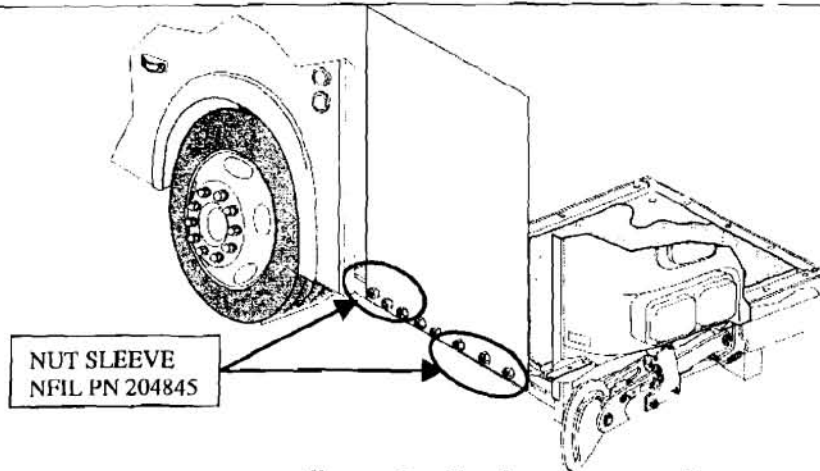
PROCEDURE:

1. Turn the main battery power disconnect switch "OFF".
2. Locate the nosing (NFIL PN 101751) on the wheelchair ramp. See Figure 1.



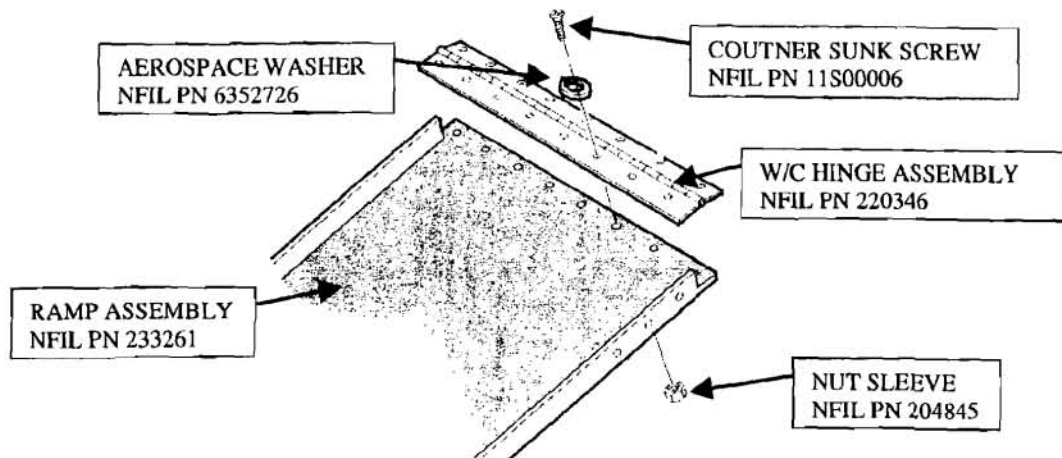
**Figure 1 – Nosing Location**

3. Remove (3) screws (NFIL PN 004944) from the nosing strip and remove strip. Store hardware for reinstallation if re-usable.
4. Clean the surface where the nosing was removed.
5. With one operator inside the coach manually lower the ramp so that the Nut sleeves (NFIL PN 204845) are accessible to the second operator outside the coach. See Figure 2.



**Figure 2 – Hardware removal**

6. Have one operator hold the nut sleeve in place with a flat head screw driver while the second operator removes the 3 outer most Pan head screws (NFIL PN 15S00004) on both sides. Store nut sleeves for reinstallation
7. Insert new countersunk screw (NFIL PN 11S00006) with Loctite (NFIL PN 8110440) and washer (NFIL PN 6352726) in place of removed screws in Step 6. Secure tightly.



**Figure 3 – New Hardware Installation**

8. Repeat steps 6 & 7 for the two remaining center screws.
9. Manually return the ramp to the stowed position.
10. Abrade and thoroughly clean the surfaces of the nosing that will be bonded to the wheelchair

ramp.

11. Apply white Sika 221 to 100% of the contact surface. Apply a generous bead of adhesive to the inside corner face of the nosing to prevent any gaps between the nosing and the ramp.
12. Manually lift the ramp so that it is vertical to the ground. See figure 2.
13. Secure nosing in place using the three screws removed in step 3.
14. If screws from step 3 are not re-usable, install 3 new screws (NFIL PN 004944). Screws are to be installed between the two ribs of the nosing. Locate the screws one-inch from each edge of the nosing, and center the third screw between the two edge screws.
15. Grind the protruding surface so that it is flush with the nosing strip.
16. Manually lower the ramp to its stowed position.
17. Clean any adhesive squeeze-out.
18. Turn the main battery power disconnect switch "ON".

<b>LABOUR ESTIMATE</b>				
	Operation	Men	Hours	Labour Time M X HR
1	Remove & Replace W/C hinge Assembly	2	0.25	0.5

<b>PARTS REQUIRED</b>					
Item	Part Number	Description	Qty. per Coach	Units	Notes
1	6352726	Aerospace Washer	8	EA.	
2	055701	Sika 221	0.25	EA.	
3	101751	Nosing Step Yellow	1	EA.	
4	11S00006	FH SS 10-32 x 3/8	8	EA.	
5	004944	Screw - tpg csk 10 - 32 x 1.0 Lg.	3	EA.	
6	8110440	Loctite	0.2	EA.	