

Value in motion

SB-10053765-8591



TEMESA

SERVICE BULLETIN

TS-U44



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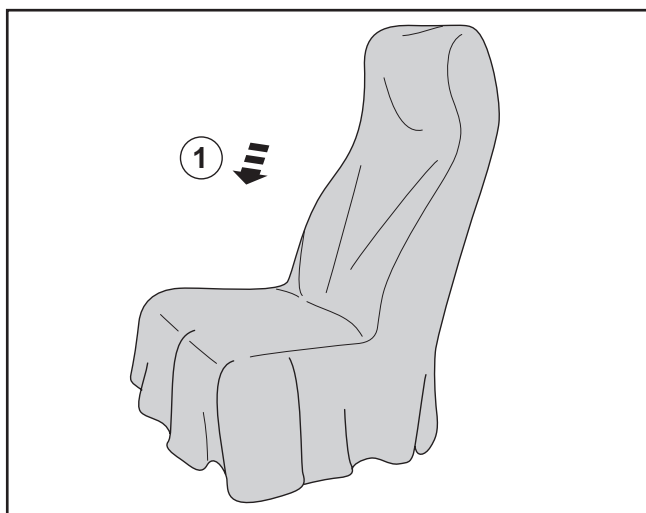
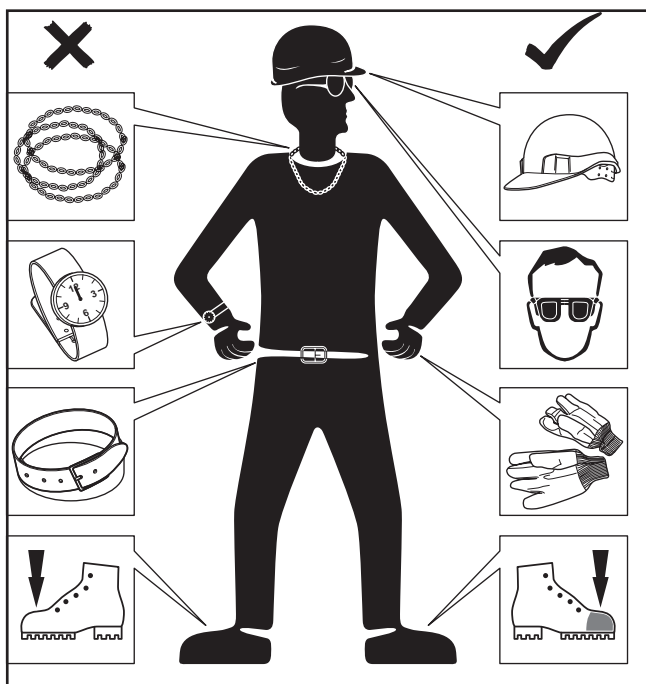
00 Foreword

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1. General Precautions

Please read the rules in this Section carefully; to avoid the risk of death, injury or property damage. Qualified and trained technicians should use The Service Bulletin. Making repairs or service without the adequate training and using inappropriate tools and equipment may cause injury and could damage the bus. Some of the procedures require specific tools designed for specific purposes, so use the tools mentioned in the manual when necessary.

Bus service and repair must be done correctly following the instructions to ensure the safety of the service technician and correct function of the bus. If a part must be replaced, the same part number or an equivalent part should be used. Pay great attention to use a replacement part of good quality.



2. Symbol List

Operating Instructions in this bulletin includes the following symbols, warning words and signs:



CAUTION

This symbol is used in conditions which may cause damage or injury if necessary measures are not taken.



WARNING

This symbol is used in conditions which may cause severe damage or fatal injury if necessary measures are not taken.



DANGER

This symbol is used to indicate danger.



VISUAL INSPECTION

This symbol is used to inform the user that a visual inspection is necessary.

3. Before Start of Work

3.1. Mechanical Requested Dress Code

Always wear protective clothing. Do not wear any damaged or loose-fitting clothing and remove jewelry before starting the work. In case of long hair use hairnet. The illustration below shows some of the correct on incorrect clothing that should be worn during work.

Sharp edges should be avoided e.g belts, watches, necklaces to prevent catching the vehicle.



WARNING

Dress correctly to avoid injury and damage to the vehicle.

3.2. Protect Seats When Mechanics Start Working

1. Seats, trimming, upholstery stuff and carpeting should be protected with appropriate coverings.

NOTE

Service bulletin expiry dates differ according to service bulletin type.

Definitions

Release Date: As of this date the bulletin is released and available on E-Doc. Modification parts can be ordered. The time period between the release date and the effective date may vary according to the procurement lead time.

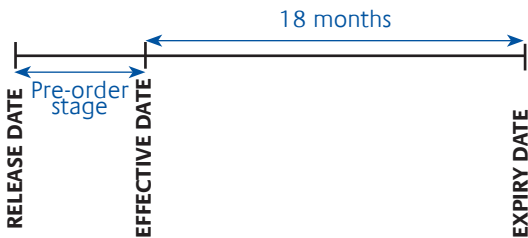
Effective Date: As of this date specified amount of the total modification parts will be available on Spare Parts Stock. Modification parts can be ordered and the application can be performed. (except non-compliance and safety related campaigns, i.e. S-Type Bulletin)

Part Order Deadline: Last order date for modification parts. The part orders which will be placed after this date should be approved by Regional Coordinator.

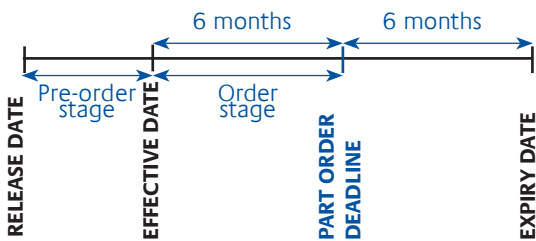
Expiry Date: Expiration date for the application.

Bulletin Types

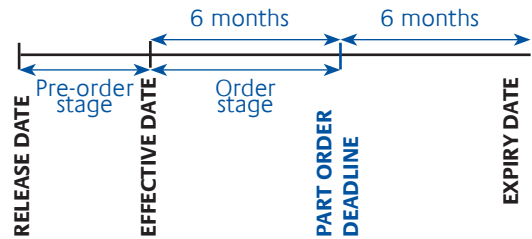
- **S-Type:** Application period of this bulletin is 18 months after the date of issue.



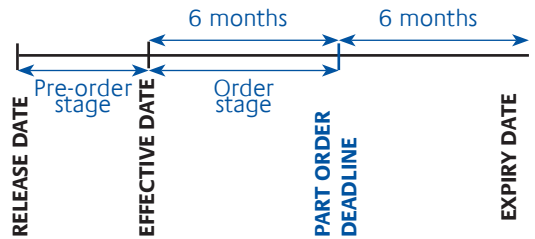
- **U-Type :** Application period of this bulletin is 12 months after the date of issue.



- **C-Type:** Application period of this bulletin is 12 months after the date of issue.



- **M-Type:** Application period of this bulletin is 12 months after the date of issue.



IMPORTANT

For reimbursement, all costs of modification should be claimed within 1 month from the application date.

01 Bulletin Information

Bulletin Type Field Fix
Bulletin No TS-U43
Bulletin Reference No 700002201
Rev No 00
Release Date 04.09.2013
Effective Date 04.09.2013
Expiry Date 04.09.2014
Vehicle Model TS 35
Flat Rate Code TS-U44
Flat Rate Time 100 Minutes.

SUBJECT

Expansion tank Modification

SUMMARY

Changing the expansion tank.

Prepared by Musa Akalın
Approved by Osman Dündar
Published by Alper Bulca

Distribution to:



Dealer/Retailer



TEMSA After Sales Team



Authorised Service Centre



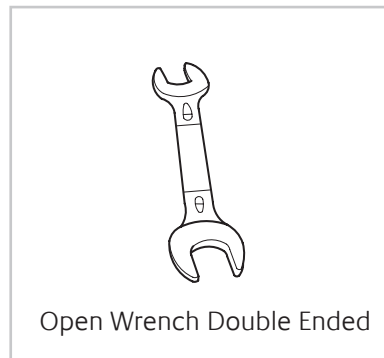
02 Tools

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2. Tools.....	6

1. General

- If work is performed by people who do not have the necessary training to carry out the work or if this information is handled carelessly or totally ignored, this may result in severe injury and/or death. In addition, serious damage to the vehicle may occur.
- Always read the safety instructions in full before starting certain operations. The safety instructions stipulate which aspects must be considered to achieve maximum safety. The information is given that is very important for health and safety.
- Always work in adequately ventilated rooms with sufficient lighting, free from dirt and clutter. Never leave tools or parts lying around, keep away from (high-) voltage sources that present a risk of short-circuiting. Always wear protective clothing. Do not wear any damaged or loose-fitting clothing and remove jewelry before starting the work. In case of long hair use hairnet.
- Tool list below is a recommended list. It is not a must to use the exact same tools.

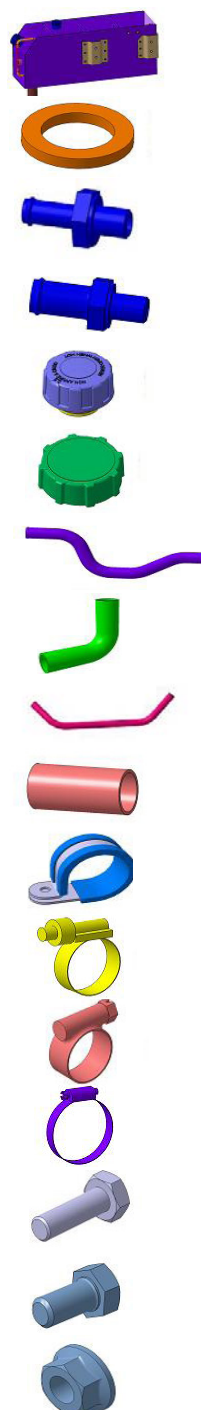
2. Tools (Recommended)



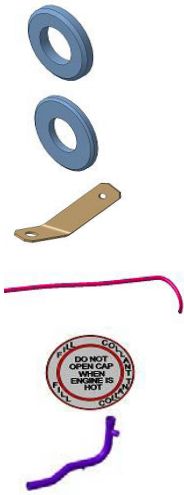
03 Parts List

Installed Part List

	Part No	Part Name	Qty.
1	RP267160Y	EXPANSION TANK	1
2	TU181159AY	WASHER	3
3	RP267144Y	CONNECTOR	2
4	RP267154Y	CONNECTOR	1
5	RP267145	CAP	1
6	RP267153	CAP	1
7	9602-387Y	COOLING PIPE	1
8	HD213285	HOSE	1
9	TH166010	HOSE	1
10	TO166038	HOSE	0,5
11	BKSG1-3820C	CLIP	1
12	BW301001609A	CLAMP	3
13	BW301202009A	CLAMP	4
14	BW304006009A	CLAMP	4
15	MF100029Y	BOLT	1
16	MF100053Y	BOLT	4
17	MF434103Y	NUT FLANGE	1

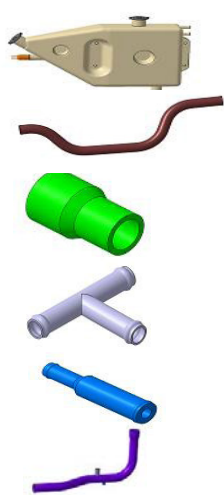


18	MF450004Y	WASHER PLAIN	1
19	MF450005Y	WASHER PLAIN	4
20	9320-2045Y	BRACKET	1
21	TM163203Y	HOSE	2
22	RP350120Y	LABEL	1
23	RP172181Y	COOLING PIPE	1



Excluded Part List

	Part No	Part Name	Qty.
1	SB267200Y	EXPANSION TANK	1
2	RP172129Y	COOLING PIPE	1
3	HD214136	HOSE	1
4	TO160120Y	T PIPE	1
5	RP172134Y	NIPEL	1
6	RP172101Y	COOLING PIPE	1



04 Technical Instructions



Photo 1

1. Open the rear engine cover.



Photo 2

2. Discharge only vehicle's engine coolant water.



Photo 3

3. Unplug the level sensor socket. Level sensor will be use on the new tank.



Photo 4

4. Unplug expansion tank bottom hose.

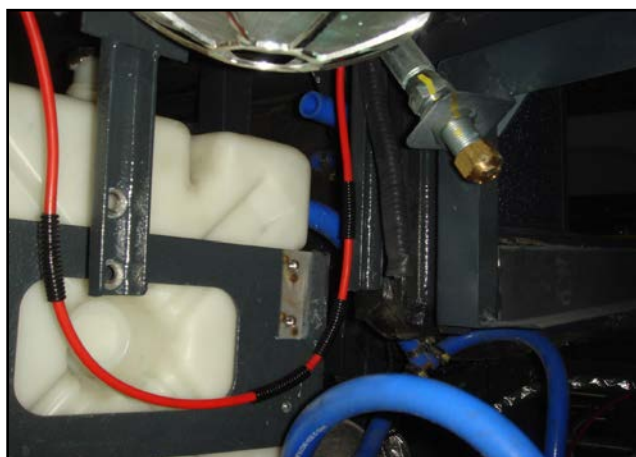


Photo 5

5. Unplug the air discharge hoses which are behind the expansion tank

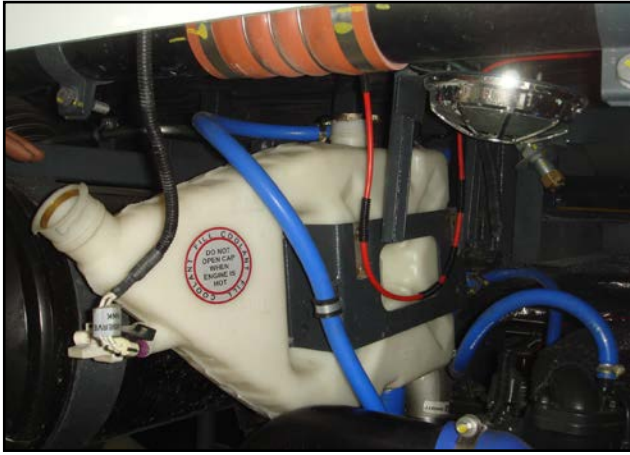


Photo 6

6. Dismount the hexes of expansion tank and disassemble the expansion tank.



Photo 7

7. Dismount air discharge hoses which are on the engine.



Photo 8

8. Dismount the engine water inlet pipe and expansion tank pipe. Engine water inlet pipe clamp will be use on the new pipe.



Photo 9

9. Mount the TU181159AY and RP267144Y numbered parts on the RP267160Y numbered tank.



Photo 10

10. Mount the TU181159AY and RP267154Y numbered parts on the expansion tank.



Photo 11

11. Mount the RP267145 numbered part on the expansion tank.



Photo 12

12. Mount the air discharge hose and tight the clamp before the mounting tank on the vehicle.

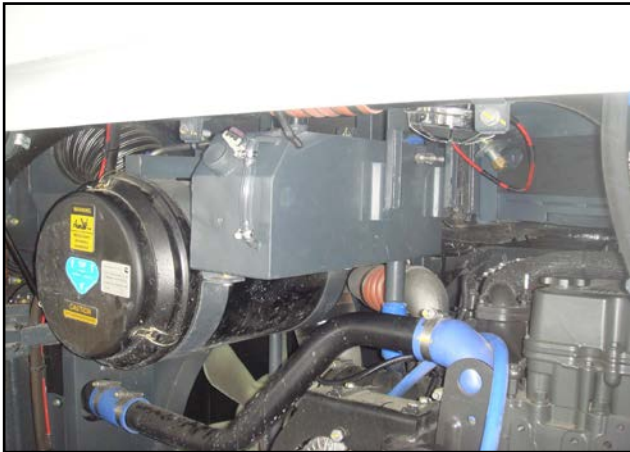


Photo 13

13. Mount the expansion tank by using MF450005Y and MF100053Y numbered parts on the vehicle.

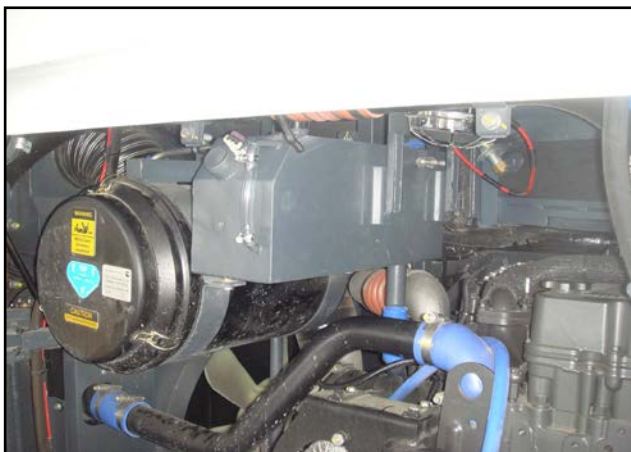


Photo 14

14. Mount the BW301001609A numbered clamp on the expansion tank's level hose.



Photo 15

15. Mount the half of TH166010 numbered hose using with BW301001609A numbered clamp.



Photo 16

16. Mount the level sensor and socket on new tank which is used on the old tank.



Photo 17

17. Mount RP267153 numbered cap on the tank.



Photo 18

18. Mount the TM163203 numbered hose using with BW301001609A numbered clamp on the tank.



Photo 19

19. Mount the RP172181 numbered cooling pipe.

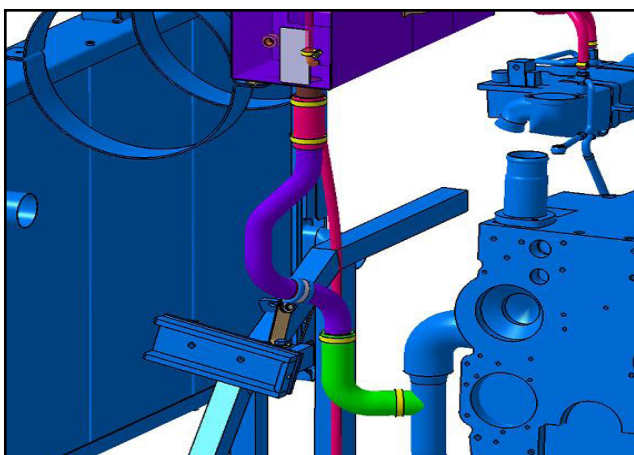


Photo 20

20. Assemble 9602-387 numbered pipe using with TO166038,HD213285,BW304006009A parts.

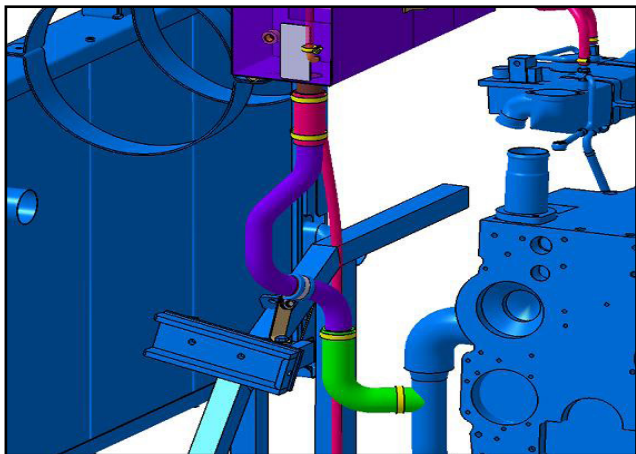


Photo 20

20. Assemble 9602-387 numbered pipe using with TO166038,HD213285,BW304006009A parts.

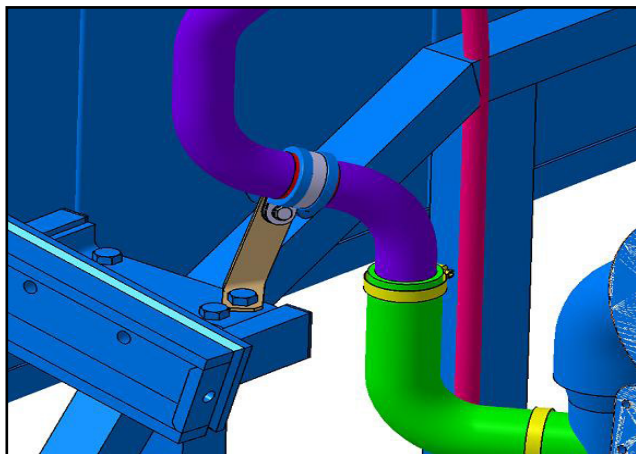


Photo 21

21. Fix 9602-387 numbered pipe using with 9320-2045,BKSG1-3820C,MF450004Y,MF100029Y,MF434103 numbered parts.

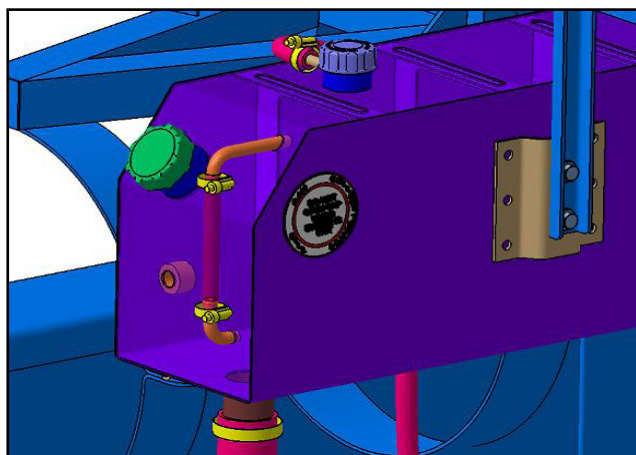


Photo 22

22. Glue the RP350120 numbered tag properly.

23. Fill the engine coolant.

05 Flat Rate Break Down

APPLICATION	TIME	
	hour	min.
Step 1: Preparation for tools.		10
Step 2: Demount the expansion tank.		30
Step 3: Mount the expansion tank and pipe.		60
Total Flat Rate:		100 min.

06 Affected Vehicle List

	VIN.	COUNTRY
1	NLTRPPR75B1000002	USA
2	NLTRPPR77B1000003	USA
3	NLTRPPR79B1000004	USA
4	NLTRPPR70B1000005	USA
5	NLTRPPR72B1000006	USA
6	NLTRPPR74B1000007	USA
7	NLTRPPR76B1000008	USA
8	NLTRPPR78B1000009	USA
9	NLTRPPR74B1000010	USA
10	NLTRPPR76B1000011	USA
11	NLTRPPR72C1000041	USA
12	NLTRPPR74C1000042	USA
13	NLTRPPR76C1000043	USA
14	NLTRPPR78C1000044	USA
15	NLTRPPR7XC1000045	USA
16	NLTRPPR71C1000046	USA
17	NLTRPPR73C1000047	USA
18	NLTRPPR75C1000048	USA
19	NLTRPPR77C1000049	USA
20	NLTRPPR73C1000050	USA
21	NLTRPPR71C1000001	USA
22	NLTRPPR73C1000002	USA
23	NLTRPPR75C1000003	USA
24	NLTRPPR77C1000004	USA
25	NLTRPPR79C1000005	USA
26	NLTRPPR70C1000006	USA

	VIN.	COUNTRY
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28	NLTRPPR74C1000008	USA
29	NLTRPPR76C1000009	USA
30	NLTRPPR72C1000010	USA
31	NLTRPPR74C1000011	USA
32	NLTRPPR76C1000012	USA
33	NLTRPPR78C1000013	USA
34	NLTRPPR7XC1000014	USA
35	NLTRPPR71C1000015	USA
36	NLTRPPR73C1000016	USA
37	NLTRPPR75C1000017	USA
38	NLTRPPR77C1000018	USA
39	NLTRPPR79C1000019	USA
40	NLTRPPR75C1000020	USA
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43	NLTRPPR70C1000023	USA
44	NLTRPPR72C1000024	USA
45	NLTRPPR74C1000025	USA
46	NLTRPPR76C1000026	USA
47	NLTRPPR78C1000027	USA
48	NLTRPPR7XC1000028	USA
49	NLTRPPR71C1000029	USA
50	NLTRPPR78C1000030	USA
51	NLTRPPR7XC1000031	USA
52	NLTRPPR71C1000032	USA

	VIN.	COUNTRY		VIN.	COUNTRY
53	NLTRPPR73C1000033	USA	89	NLTRPPR73C1000078	USA
54	NLTRPPR75C1000034	USA	90	NLTRPPR75C1000079	USA
55	NLTRPPR77C1000035	USA	91	NLTRPPR71C1000080	USA
56	NLTRPPR79C1000036	USA	92	NLTRPPR78C1000092	USA
57	NLTRPPR70C1000037	USA	93	NLTRPPR73C1000081	USA
58	NLTRPPR72C1000038	USA	94	NLTRPPR73D1000082	USA
59	NLTRPPR74C1000039	USA	95	NLTRPPR75D1000083	USA
60	NLTRPPR70C1000040	USA	96	NLTRPPR77D1000084	USA
61	NLTRPPR75C1000051	USA	97	NLTRPPR79D1000085	USA
62	NLTRPPR77C1000052	USA	98	NLTRPPR70D1000086	USA
63	NLTRPPR79C1000053	USA	99	NLTRPPR72D1000087	USA
64	NLTRPPR70C1000054	USA	100	NLTRPPR74D1000088	USA
65	NLTRPPR72C1000055	USA	101	NLTRPPR76D1000089	USA
66	NLTRPPR74C1000056	USA	102	NLTRPPR72D1000090	USA
67	NLTRPPR76C1000057	USA	103	NLTRPPR7XC1000093	USA
68	NLTRPPR78C1000058	USA	104	NLTRPPR71C1000094	USA
69	NLTRPPR7XC1000059	USA	105	NLTRPPR73C1000095	USA
70	NLTRPPR76C1000060	USA	106	NLTRPPR75C1000096	USA
71	NLTRPPR78C1000061	USA	107	NLTRPPR75D1000097	USA
72	NLTRPPR7XC1000062	USA	108	NLTRPPR77D1000098	USA
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184	NLTRPPR73B1000001	USA



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Stamp

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