Field campaign

Topic	Update to diagnostic address 0075 Emergency call module and communication unit (SC22/20)
Market area	United States E05 Bentley USA and rest America (6E05)
Brand	Bentley
Transaction No.	2067512/1
Campaign number	EC45
Note	
Type	
US code	

Vehicle data

Bentayga

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V1*	2022	E		*	*	*

Chas is numbers

Manufacturer	Filler	Type	Filler	MY	Factory	From	To	Prod from	Prod to
SJA	*	*	*	N	C	039941	039999		
SJA	*	*	*	N	C	011001	014943		

Documents

Document name
master.xml
doipsetup.pdf
sc2220vinlist.pdf

Notes

Technical background

In order to use the Bentley Online grey services for example the remote Lock/Unlock, the nomination of a main user is generally required. From 22 M/Y onwards, the main user nomination is linked to the my Bentley login.

In isolated regions of the USA, depending on the server landscape, the use of some connections at large data packet lengths can lead to communication problems between the vehicle and the server. As a result, the my Bentley login cannot be performed. As a result, the grey services are not available to the customer.

To enable the grey services to be accessed a software update to diagnostic address 0075 (Emergency call module and communication unit) has been developed to ensure all grey services can be accessed.

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VERY IMPORTANT:

Before conducting the onward procedure the operative MUST ensure the instructions within the attached document have been conducted regarding Bentley ODIS-S Brand version: 2.30.4 and setup of software flashing over DoIP (Diagnostics over Internet Protocol - DoIP)

CAUTION: In the event the following software update is conducted WITHOUT the use of DoIP (Diagnostics over Internet Protocol), failure will occur which may result in replacement of the J949 Emergency call module and communication unit. This WILL NOT be covered by a Warranty claim.

Remedy

Carry out the instructions within the Work section to completion

Customer notification

The update should be completed at the nearest oppertunity

Warranty accounting instructions

Warranty Type	710 or 790
Damage Service Number	EC45
Damage Code	00 66
Criterion ID	01
Labour	
Labour Operation Code	01 51 00 00
Time	Must not exceed 50 TU (as per ODIS log)

Genuine parts

Not applicable

Parts supply

Not applicable

Parts despatch control

Not applicable

Repair instructions

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Check

If the vehicle is not already listed as repaired in the "Repair History" (Elsa Pro) check for the presence of the red paint completion mark as shown within the Identification section

Genuine parts

Not applicable

Work

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- The closed-circuit voltage of the vehicle must be at least 12.5 volts during the update. Connect a suitable battery charger to the vehicle. For further information refer to the Repair manual

- During the update switch off all unnecessary consumers (ventilation, seat heater, interior illumination etc)

- Because of the highest transmission stability you MUST use the diagnosis interface VAS 6154 (WiFi diagnostic tool) ONLY in USB operation or the cable-connected VAS 5055 for the reprogramming (updating) of control units. If these units are not available, the diagnosis interface VAS 5054 (A) can also be used in USB mode

- Do Not under any circumstances use a Bluetooth connection to conduct the reprogramming (updating) of any control units

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1) Select and run Guided fault finding

- Referring to Figure 1 - Within the Special functions tab select SVM - Code input (A) then select Perform test (B)
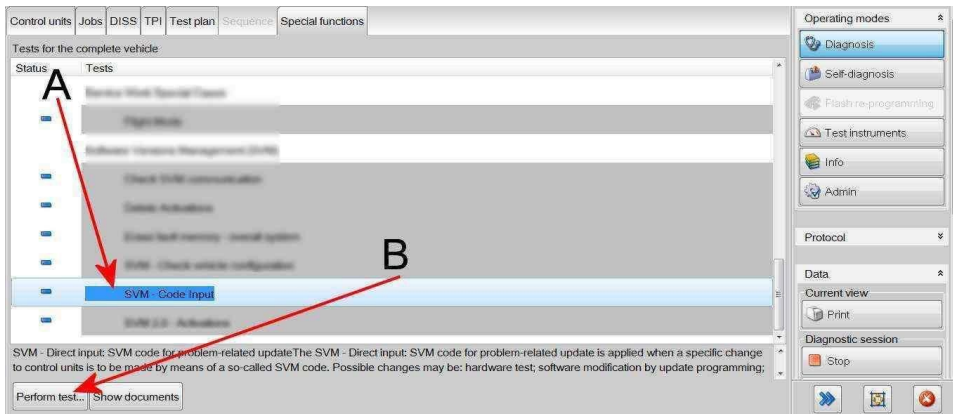
Figure 1

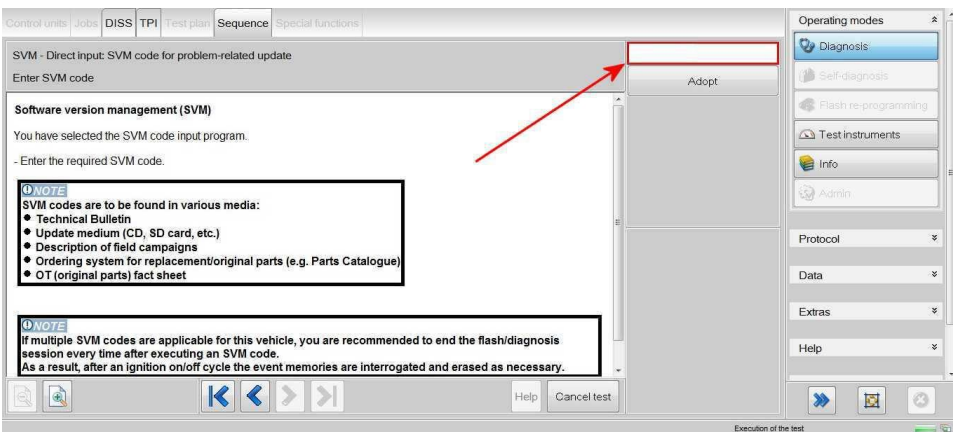2) On the next screen enter SVM code 4V0CBAM01 (Figure 2)

Figure 2

3) On the following screen, confirm the SVM code is correct

- All control modules will now be interrogated

- The update will then be

suggested NOTE: A progress bar will

be displayed

4) Carry out all on screen prompts until completion

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To wake up the system after the update is completed a bus silence is required, carry out the following steps in the order stated below:

- Switch off the ignition

- Remove the diagnostic interface from the OBD port

- Switch off and remove the battery charger from the vehicle

- Close the bonnet, boot and all doors

- Lock the vehicle

- Wait 5 minutes to allow the vehicle to go into bus silence

- When 5 minutes has elapsed, unlock the vehicle and open the driver's door

- Switch on the ignition

5) Clear the vehicle of any DTC's generated as a result of performing the previous steps

6) Apply a white paint completion mark to the floor panel (adjacent to the right of the 12 volt battery) as shown in Figure 3
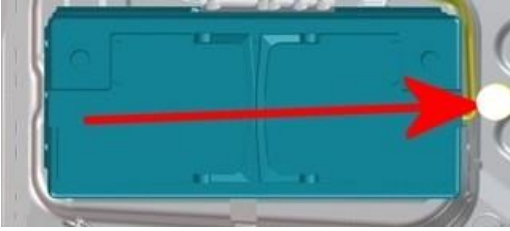
Figure 3

Identification

White paint completion mark to the floor panel (adjacent to the right of the 12 volt battery) as shown in Figure 3

VERY IMPORTANT: ODIS must be running 2.30.4 (or later) Brand version before proceeding, if you're your tester is not running this version of ODIS please update your tester to 2.30.4 (or later) before commencing any work

CAUTION: In the event the following software update is conducted WITHOUT the use of DoIP (Diagnostics over Internet Protocol), failure will occur which may result in replacement of the J949 Emergency call module and communication unit. This WILL NOT be covered by a Warranty claim.

Should the operative require clarification regarding the setup of DoIP (Diagnostics over Internet Protocol), please raise a DISS query requesting clarification before proceeding

1. Go to your file explorer on the tester laptop. Navigate through the folders Windows (C:) > ProgramData > Offboard_Diagnostic_Information_Systsem_Service> configuration. Please be aware that in some cases the "ProgramData" folder may need to be unhidden. If this is the case then select the 'Hidden Items' tick box highlighted below, the 'ProgramData' folder will then will be visible (Figure 1)
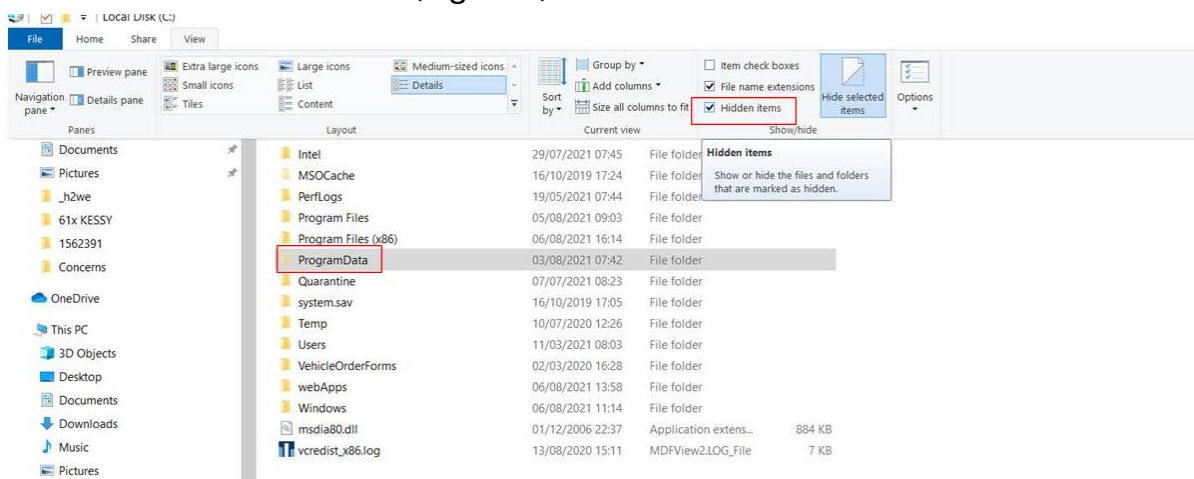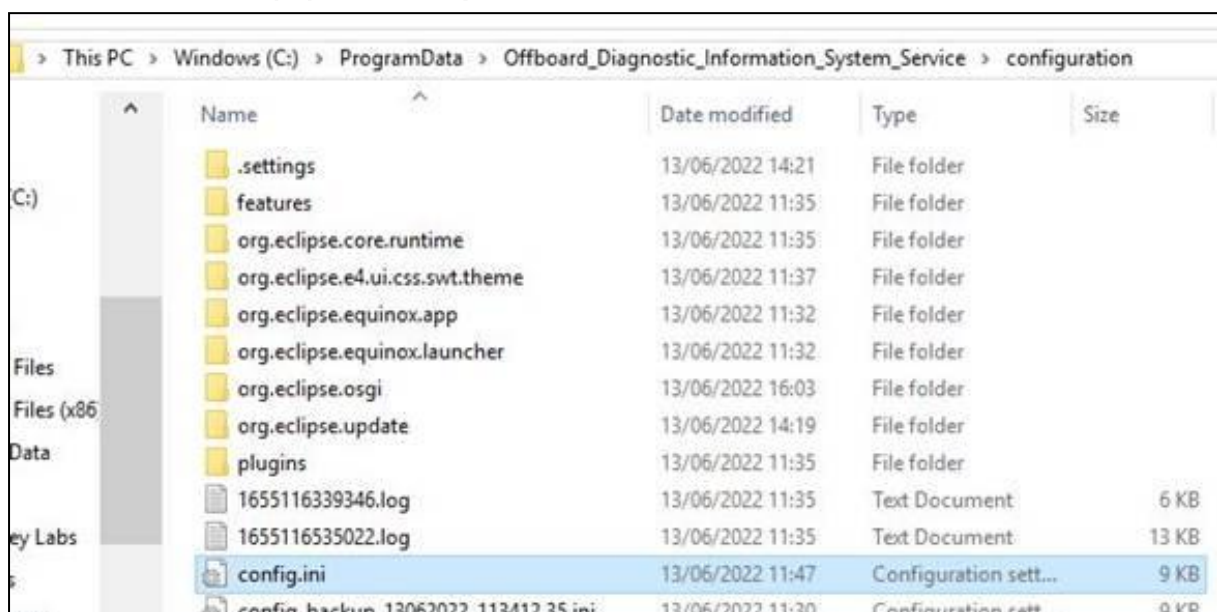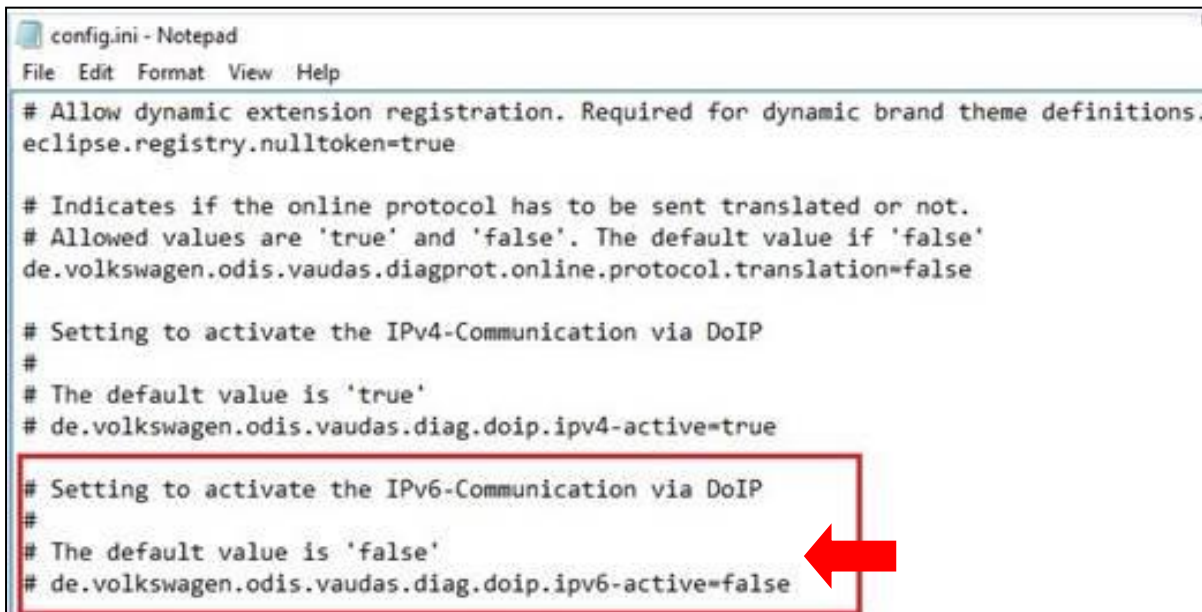

Figure 1

2. Select the *congfig.ini* file (Figure 2).

3. The IPv6 activation value will be set as **false** by default (red arrow) as shown in Figure 3

Figure 3

4. This needs to be changed to true so that the line reads:

 # de.volkswagen.odis.vaudas.diag.doip.ipv6-active=true (red arrow) as shown in Figure 4

Figure 4

IMPORTANT: DoIP communication must be manually selected in ODIS-S. **After the end of every diagnostic session, the setting is defaulted back to 'Automatic recognition', therefore the below step needs to be performed <u>each time</u> DoIP flashing is required.**

5. Navigate to the ODIS home screen then select the *Admin* tab then the *GFF Sequence* tab. Here, there is an option to select the preferred Communication path. Use the drop down menu on the Selection of communication path to set to 'Only permit DoIP communication'. Then select 'Save' (Figure 5)

Figure 5

HELP: If you experience any issues with DoIP whilst performing technical actions on ODIS-S, please raise a DISS Technical Query. Ensure that a full log is captured and sent with the DISS showing the actions being attempted.

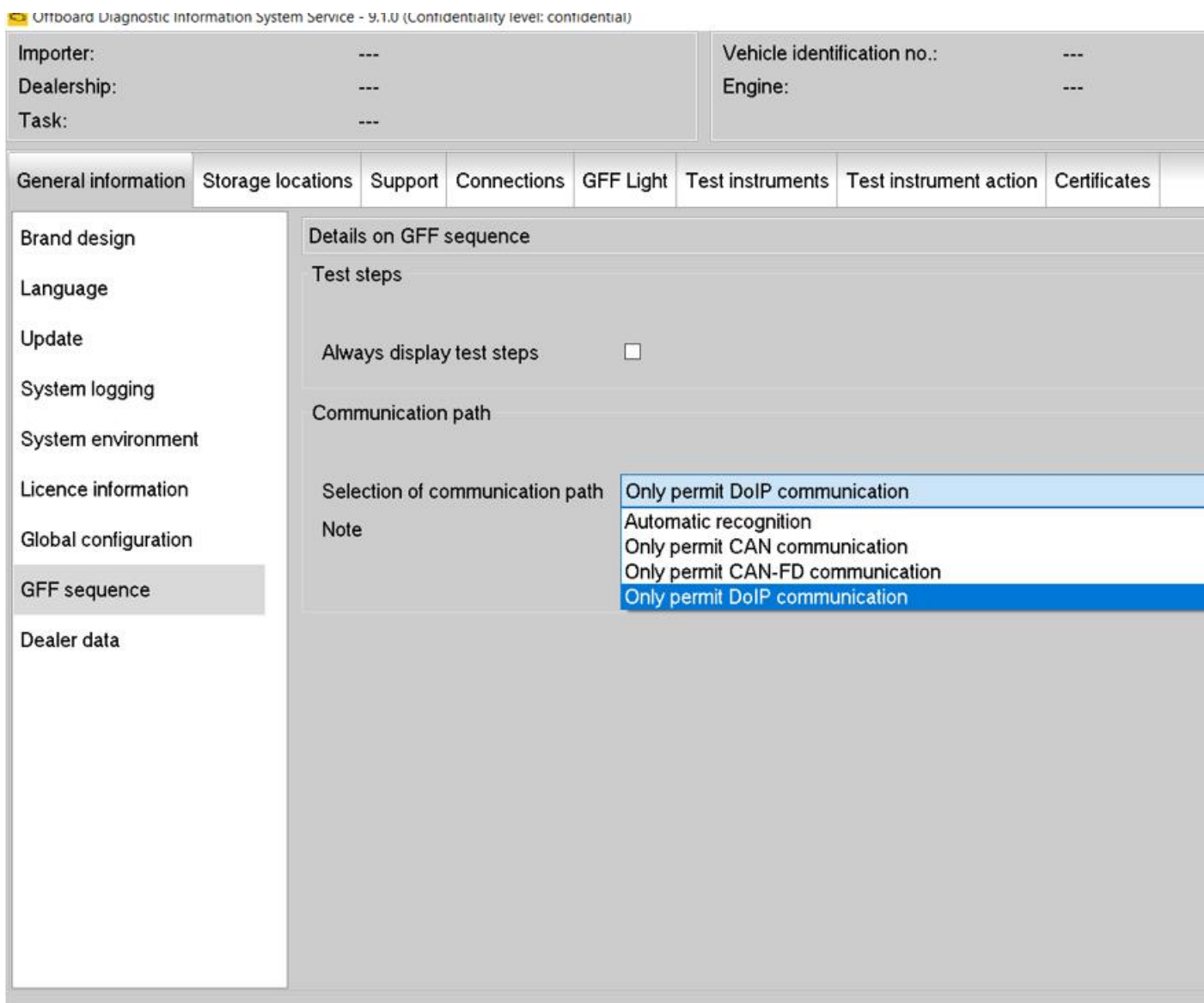|				
SJAAM2ZV0NC039441	SJAAM2ZV7NC039663	SJAAM2ZVXNC039799	SJAAM2ZV2NC039912	SJAAM2ZV4NC039989
SJAAM2ZV9NC039566	SJAAR4ZV2NC039664	SJAAM2ZV4NC039801	SJAAM2ZV6NC039914	SJAAM2ZV0NC039990
SJAAM2ZV0NC039567	SJAAM2ZV4NC039667	SJAAM2ZV6NC039802	SJAAM2ZV8NC039915	SJAAM2ZV2NC039991
SJAAM2ZV4NC039569	SJAAM2ZV6NC039668	SJAAR2ZV6NC039803	SJAAM2ZVXNC039916	SJAAM2ZV6NC039993
SJAAM2ZV4NC039572	SJAAM2ZV8NC039669	SJAAM2ZVXNC039804	SJAAM2ZV1NC039917	SJAAR2ZV6NC039994
SJAAM2ZV6NC039573	SJAAM2ZV6NC039671	SJAAM2ZV1NC039805	SJAAM2ZV3NC039918	SJAAM2ZVXNC039995
SJAAM2ZVXNC039575	SJAAM2ZV8NC039672	SJAAM2ZV7NC039808	SJAAM2ZV5NC039919	SJAAM2ZV1NC039996
SJAAM2ZV1NC039576	SJAAM2ZVXNC039673	SJAAM2ZV9NC039809	SJAAM2ZV1NC039920	SJAAM2ZV3NC039997
SJAAM2ZV5NC039578	SJAAM2ZV1NC039674	SJAAM2ZV5NC039810	SJAAM2ZV3NC039921	SJAAM2ZV5NC039998
SJAAM2ZV3NC039580	SJAAR2ZV3NC039676	SJAAM2ZV8NC039817	SJAAR2ZV5NC039923	SJAAM2ZV7NC039999
SJAAM2ZV5NC039581	SJAAM2ZV7NC039677	SJAAM2ZV7NC039825	SJAAM2ZV0NC039925	SJAAM2ZV8NC011001
SJAAM2ZV7NC039582	SJAAM2ZV9NC039678	SJAAM2ZV9NC039826	SJAAM2ZV6NC039928	SJAAM2ZVXNC011002
SJAAM2ZV9NC039583	SJAAM2ZV7NC039680	SJAAM2ZV4NC039829	SJAAM2ZV8NC039929	SJAAM2ZV1NC011003
SJAAM2ZV0NC039584	SJAAM2ZV0NC039682	SJAAM2ZV0NC039830	SJAAM2ZV4NC039930	SJAAM2ZV3NC011004
SJAAM2ZV4NC039586	SJAAM2ZV2NC039683	SJAAM2ZVXNC039835	SJAAM2ZV6NC039931	SJAAM2ZV5NC011005
SJAAR2ZV4NC039587	SJAAM2ZV6NC039685	SJAAM2ZV3NC039837	SJAAM2ZV8NC039932	SJAAM2ZV9NC011007
SJAAM2ZV8NC039588	SJAAM2ZV8NC039686	SJAAM2ZV5NC039838	SJAAR2ZV8NC039933	SJAAM2ZV0NC011008
SJAAM2ZV6NC039590	SJAAM2ZV3NC039692	SJAAM2ZV3NC039840	SJAAM2ZV1NC039934	SJAAM2ZV9NC011010
SJAAM2ZVXNC039592	SJAAM2ZV5NC039693	SJAAM2ZV5NC039841	SJAAM2ZV3NC039935	SJAAM2ZV0NC011011
SJAAM2ZV1NC039593	SJAAM2ZV9NC039695	SJAAM2ZV0NC039844	SJAAM2ZV5NC039936	SJAAM2ZV2NC011012
SJAAM2ZV7NC039596	SJAAM2ZV4NC039698	SJAAM2ZV2NC039845	SJAAR2ZV5NC039937	SJAAR2ZV2NC011013
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SJAAM2ZV0NC039598	SJAAM2ZV9NC039700	SJAAM2ZV8NC039848	SJAAM2ZV0NC039939	SJAAM2ZVXNC011016
SJAAM2ZV2NC039599	SJAAM2ZV0NC039701	SJAAM2ZVXNC039849	SJAAM2ZV7NC039940	SJAAM2ZV1NC011017
SJAAM2ZV5NC039600	SJAAM2ZV2NC039702	SJAAM2ZV6NC039850	SJAAM2ZV9NC039941	SJAAM2ZV3NC011018
SJAAM2ZV0NC039603	SJAAM2ZV4NC039703	SJAAM2ZV8NC039851	SJAAM2ZV0NC039942	SJAAR2ZV3NC011019
SJAAM2ZV2NC039604	SJAAM2ZV6NC039704	SJAAM2ZV1NC039853	SJAAM2ZV2NC039943	SJAAM2ZV1NC011020
SJAAM2ZV8NC039607	SJAAM2ZV8NC039705	SJAAM2ZV7NC039856	SJAAM2ZV4NC039944	SJAAM2ZV3NC011021
SJAAM2ZVXNC039608	SJAAM2ZVXNC039706	SJAAR2ZV7NC039857	SJAAM2ZV6NC039945	SJAAM2ZV5NC011022
SJAAM2ZV1NC039609	SJAAM2ZV3NC039708	SJAAM2ZV0NC039858	SJAAM2ZV8NC039946	SJAAM2ZV9NC011024
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SJAAM2ZVXNC039611	SJAAM2ZV5NC039712	SJAAM2ZV9NC039860	SJAAM2ZV3NC039949	SJAAM2ZV2NC011026
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SJAAM2ZV0NC039617	SJAAM2ZV7NC039730	SJAAM2ZV4NC039863	SJAAM2ZV5NC039953	SJAAM2ZV4NC011030
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SJAAM2ZV7NC039632	SJAAR2ZV0NC039750	SJAAM2ZV7NC039890	SJAAM2ZVXNC039964	SJAAM2ZV0NC011042
SJAAM2ZV9NC039633	SJAAM2ZV4NC039751	SJAAM2ZV9NC039891	SJAAM2ZV1NC039965	SJAAM2ZV2NC011043
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SJAAM2ZV4NC039653	SJAAM2ZV7NC039789	SJAAM2ZV7NC039906	SJAAM2ZV1NC039982	SJAAM2ZV7NC011054
SJAAM2ZVXNC039656	SJAAM2ZV3NC039790	SJAAM2ZV9NC039907	SJAAM2ZV5NC039984	SJAAM2ZV9NC011055
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SJAAM2ZV3NC039661	SJAAM2ZV0NC039794	SJAAM2ZV2NC039909	SJAAM2ZV0NC039987	SJAAM2ZV4NC011058
SJAAM2ZV5NC039662	SJAAM2ZV2NC039795	SJAAM2ZV0NC039911	SJAAM2ZV2NC039988	SJAAM2ZV6NC011059

SJAAM2ZV4NC011061	SJAAR2ZVXNC011230	SJAAM2ZV2NC011382	SJAAM2ZV3NC011603	SJAAM2ZV1NC012152
SJAAM2ZV6NC011062	SJAAM2ZV7NC011233	SJAAM2ZV6NC011384	SJAAM2ZV7NC011605	SJAAM2ZV3NC012153
SJAAM2ZV8NC011063	SJAAM4ZV6NC011235	SJAAM2ZV5NC011389	SJAAM2ZV2NC011611	SJAAM2ZV2NC012158
SJAAM2ZVXNC011064	SJAAM2ZV4NC011237	SJAAM2ZV1NC011390	SJAAM2ZV0NC011624	SJAAR2ZV2NC012162
SJAAM2ZV3NC011066	SJAAR2ZV6NC011239	SJAAM2ZV3NC011391	SJAAM2ZV2NC011625	SJAAM2ZVXNC012165
SJAAM2ZV5NC011067	SJAAM2ZV4NC011240	SJAAR2ZV3NC011392	SJAAR2ZV5NC011636	SJAAM2ZV7NC012169
SJAAM2ZV9NC011069	SJAAM2ZV5NC011246	SJAAM2ZV7NC011393	SJAAM2ZV9NC011637	SJAAM2ZV0NC012174
SJAAM2ZV7NC011071	SJAAR2ZV7NC011251	SJAAM2ZV0NC011395	SJAAM2ZV2NC011642	SJAAM2ZV9NC012187
SJAAM2ZV9NC011072	SJAAR2ZV4NC011255	SJAAM2ZV4NC011397	SJAAM2ZV4NC011643	SJAAM2ZV2NC012208
SJAAM2ZV0NC011073	SJAAM4ZV7NC011258	SJAAM2ZV2NC011415	SJAAM4ZV7NC011647	SJAAM2ZV6NC012213
SJAAM2ZV2NC011074	SJAAM2ZV1NC011261	SJAAM4ZV1NC011417	SJAAR2ZV3NC011649	SJAAM2ZV1NC012233
SJAAM2ZV4NC011075	SJAAM2ZV3NC011262	SJAAM2ZV8NC011418	SJAAM2ZV9NC011752	SJAAM2ZV7NC012236
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SJAAM2ZV2NC011088	SJAAM2ZV5NC011277	SJAAM2ZV5NC011439	SJAAM2ZV5NC011909	SJAAM2ZV3NC012251
SJAAM2ZV2NC011091	SJAAR2ZV5NC011278	SJAAR2ZV3NC011442	SJAAM2ZV5NC011912	SJAAR2ZV9NC012255
SJAAM2ZV4NC011092	SJAAM2ZV9NC011279	SJAAM2ZV7NC011443	SJAAR2ZV5NC011930	SJAAM2ZV4NC012257
SJAAM2ZV6NC011093	SJAAR2ZV5NC011281	SJAAM2ZV9NC011444	SJAAR2ZV0NC011933	SJAAM2ZV6NC012258
SJAAM2ZV1NC011096	SJAAR2ZV0NC011284	SJAAR2ZV9NC011445	SJAAM2ZV7NC011961	SJAAM2ZVXNC012263
SJAAM2ZV5NC011098	SJAAM2ZV4NC011285	SJAAM2ZV8NC011449	SJAAM2ZV0NC011963	SJAAR2ZV9NC012269
SJAAM2ZVXNC011100	SJAAM2ZV8NC011287	SJAAR2ZV2NC011450	SJAAM2ZV6NC011983	SJAAM2ZV0NC012272
SJAAM2ZV2NC011110	SJAAM2ZVXNC011288	SJAAM2ZV8NC011452	SJAAR2ZV3NC011988	SJAAM2ZV6NC012275
SJAAR2ZV6NC011113	SJAAM2ZVXNC011291	SJAAM2ZVXNC011453	SJAAM2ZV5NC011991	SJAAM2ZV8NC012276
SJAAM2ZV5NC011117	SJAAM2ZV5NC011294	SJAAM2ZV5NC011456	SJAAM2ZV7NC011992	SJAAM2ZVXNC012277
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