

CA Datacom/AD 15.1
CA RS 2102 Service List

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Service	Description	Type
LU00053	DBCSPR DOES NOT GENERATE DBCSID FOR DBCVTPR	PTF
LU00061	AFTER PTF SO16006, MUF CAN ABEND WITH A SOC1 IN DBOP1PR	PTF
LU00071	ENHANCEMENT: DATACOM CHANGES FOR SCRT	PTF
SO15871	ENHANCEMENT: NEW 64 BIT MEMORY MANAGER	PTF
SO16004	RC 57 IN A DB APPLICATION WITH EXTENDED PROGRAMMING	PTF
SO16052	PROVIDE BACKUPS FOR SU 2201 PAX	PTF
SO16056	(ENH)MF: INFRASTRUCTURE CODE CHANGES FOR FUTURE ENHANCEMENT	PTF
SO16078	ALLOW EQUATE PREDICATES W/ UNSIGNED NUMERIC IN SOURCE CACHE	PTF
SO16084	DDWKEY0043 INCORRECTLY ISSUED	PTF
SO16086	I/O AND INTERNAL ERRORS AND ABEND SOC4 IN RESTART PROCESSING	*HIP/PRP*
SO16096	LOOP OR INVALID RESULTS AFTER DYNAMIC EXTEND OF IXX006	**HIPER**
The CA RS 2102 service count for this release is 11		

CA Datacom/AD
CA RS 2102 Service List for CAADF10

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FMID	Service	Description	Type
CAADF10	SO16084	DDWKEY0043 INCORRECTLY ISSUED	PTF
The CA RS 2102 service count for this FMID is 1			

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CA RS 2102 Service List for CABDF10

FMID	Service	Description	Type
CABDF10	LU00053	DBCGSPR DOES NOT GENERATE DBCSID FOR DBCVTPR	PTF
	LU00061	AFTER PTF SO16006, MUF CAN ABEND WITH A SOC1 IN DBOP1PR	PTF
	LU00071	ENHANCEMENT: DATACOM CHANGES FOR SCRT	PTF
	SO15871	ENHANCEMENT: NEW 64 BIT MEMORY MANAGER	PTF
	SO16004	RC 57 IN A DB APPLICATION WITH EXTENDED PROGRAMMING	PTF
	SO16052	PROVIDE BACKUPS FOR SU 2201 PAX	PTF
	SO16086	I/O AND INTERNAL ERRORS AND ABEND SOC4 IN RESTART PROCESSING	*HIP/PRP*
	SO16096	LOOP OR INVALID RESULTS AFTER DYNAMIC EXTEND OF IXX006	**HIPER**
The CA RS 2102 service count for this FMID is 8			

CA Datacom/AD
CA RS 2102 Service List for CAVEF10

FMID	Service	Description	Type
CAVEF10	SO16078	ALLOW EQUATE PREDICATES W/ UNSIGNED NUMERIC IN SOURCE CACHE	PTF
The CA RS 2102 service count for this FMID is 1			

CA Datacom/AD
CA RS 2102 Service List for CAYTF00

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FMID	Service	Description	Type
CAYTF00	SO16056	(ENH)MF: INFRASTRUCTURE CODE CHANGES FOR FUTURE ENHANCEMENT	PTF
The CA RS 2102 service count for this FMID is 1			

Service	Details
LU00053	LU00053 M.C.S. ENTRIES = ++PTF (LU00053) DBCGSPR DOES NOT GENERATE DBCSID FOR DBCVTPR PROBLEM DESCRIPTION: Among the changes made under DB problem 5625, PTF S011436 for version 15.1 and PTF S011440 for version 15.0, there were cases where the generation of the DBCSID macro was suppressed. When EOJ_OK=YES was coded, it should have generated the DBCSID macro as part of the DBCVTPR macro generation. This update forces DBCGSPR to always generate the DBCSID macro when processing DBCVTPR modules. SYMPTOMS: If a DBCVTPR module was created that specified EOJ_OK=YES, the DBCSID macro generation gets incorrectly suppressed. IMPACT: DBCGSPR output is incomplete when generating source for DBCVTPR that included DBCSID with EOJ_OK=YES. CIRCUMVENTION: Manually update the generated output. PRODUCT(S) AFFECTED: CA Datacom/DB Release 15.1 CA Datacom/DB Release 15.0 Related Problem: DB 12668 Copyright (C) 2021 CA. All rights reserved. R00839-DCM151-SP2 DESC(DBCGSPR DOES NOT GENERATE DBCSID FOR DBCVTPR) . ++VER (Z038) FMID (CABDF10) PRE (R091394 R098846) SUP (LT00052 LT00053 R095080 R097238 S006366 S009034 S011331 S011436 S011932 S012776 ST06366 ST08935 ST09034 ST11331 ST11436 ST11932 ST12776 TR95080 TR97238)

CA Datacom/AD 15.1
CA RS 2102 - PTF LU00061 Details

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Service	Details
LU00061	LU00061 M.C.S. ENTRIES = ++PTF (LU00061) AFTER PTF SO16006, MUF CAN ABEND WITH A SOC1 IN DBOP1PR PROBLEM DESCRIPTION: After applying PTF SO16006, the CA Datacom/DB Multi-User Facility (MUF) can abend with a SOC1 in module DBOP1PR near or at offset X'8852'. The abend only occurs if MUF is running on hardware older than the IBM z14 (3906 series). SYMPTOMS: The MUF abends with an Operation Exception (SOC1) in module DBOP1PR at or near offset X'8852'. IMPACT: There is an outage of the MUF. CIRCUMVENTION: Starting up the MUF without the "Buffer Pool by Area" feature, i.e. by removing or commenting out startup option BUFFER_POOL_DATA, may provide a circumvention. PRODUCT(S) AFFECTED: CA Datacom/DB Release 15.1 Related Problem: DB 12669 Copyright (C) 2021 CA. All rights reserved. R00843-DCM151-SP2 DESC(AFTER PTF SO16006, MUF CAN ABEND WITH A SOC1 IN DBOP1PR). ++VER (Z038) FMID (CABDF10) PRE (R088530 R090903 R091015 R091632 R092259 R094280 R094783 R095667 R098683 R098926 R099738 R099997 S001215 S007233 S010082 S010748 S011951 S013162 S014079 S015187) SUP (AS01215 AS08152 BC90081 LT00061 R093450 R096806 S003866 S004783 S006519 S008152 S008488 S009270 S010373 S014169 S016006 ST03866 ST04783 ST06519 ST08152 ST08488 ST09270 ST10373 ST14169 ST16006 TR93450 TR96806 YC90081)

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CA RS 2102 - PTF LU00071 Details

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Service	Details
LU00071	LU00071 M.C.S. ENTRIES = ++PTF (LU00071) ENHANCEMENT: DATACOM CHANGES FOR SCRT ENHANCEMENT DESCRIPTION: This product enhancement delivers code which updates the SCRT displays for Datacom/DB and Datacom Presspack. PRODUCT(S) AFFECTED: CA Datacom/DB Release 15.1 Related Problem: DB 12661 Copyright (C) 2021 CA. All rights reserved. R00845-DCM151-SP2 DESC (ENHANCEMENT: DATACOM CHANGES FOR SCRT) . ++VER (Z038) FMID (CABDF10) PRE (R088469 R088530 R090276 R090486 R090903 R091015 R091404 R091632 R092259 R092858 R094095 R094280 R094783 R095548 R095667 R095915 R096053 R096260 R096852 R097082 R097626 R097818 R098059 R098348 R098683 R098926 R099532 R099738 R099997 S001215 S001597 S003799 S004298 S004565 S005129 S005738 S005964 S006133 S006365 S006692 S006748 S007233 S007835 S007900 S008500 S008622 S009143 S009683 S010082 S010109 S010748 S011479 S011951 S011975 S013162 S013716 S014079 S014507 S015187 S015871) SUP (AS01215 AS06692 AS08152 AS09143 BC90081 LT00061 LT00071 LU00061 OC90081 R091630 R093450 R094085 R095719 R096312 R096806 S001230 S003866 S004783 S005492 S005617 S006519 S006676 S007113 S007202 S008152 S008488 S008697 S008775 S009270 S009510 S010373 S014115 S014169 S016006 ST01230 ST03866 ST04783 ST05492 ST05617 ST06519 ST06676 ST07113 ST07202 ST08152 ST08488 ST08697 ST08775 ST09270 ST09510 ST10373 ST14115 ST14169 ST16006 TR91630 TR93450 TR94085 TR95307 TR95719 TR96312 TR96806 YC90081)

CA Datacom/AD 15.1
CA RS 2102 - PTF SO15871 Details

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Service	Details
SO15871	SO15871 M.C.S. ENTRIES = ++PTF (SO15871) ENHANCEMENT: NEW 64 BIT MEMORY MANAGER ENHANCEMENT DESCRIPTION: This product enhancement delivers code which provides GA support for enhanced 64 bit memory management in CA Datacom/DB. The changes delivered by this PTF will form the basis for future additional enhancements. PRODUCT(S) AFFECTED: CA Datacom/DB Release 15.1 Related Problem: DB 5706 Copyright (C) 2021 CA. All rights reserved. R00823-DCM151-SP2 DESC(ENHANCEMENT: NEW 64 BIT MEMORY MANAGER). ++VER (Z038) FMID (CABDF10) PRE (R088469 R088530 R088863 R090075 R090276 R090486 R091015 R091404 R091632 R092259 R092858 R093251 R094001 R094095 R095548 R095667 R096053 R096260 R096852 R097082 R097626 R097818 R098059 R098348 R099532 R099675 R099902 S000074 S001597 S003799 S004298 S004565 S006133 S006365 S006692 S006748 S007233 S007835 S007900 S008120 S008622 S009683 S010109 S011479 S011975 S013398 S013716 S014507 S015187) SUP (AS06692 EC90081 OC90081 R091630 R095277 R097723 S000035 S001837 S005278 S005617 S006422 S007113 S007202 S010571 S015186 ST00035 ST01837 ST05278 ST05617 ST06422 ST07113 ST07202 ST10571 ST15186 ST15871 TR91630 TR95277 TR97723)

Service	Details
SO16004	SO16004 M.C.S. ENTRIES = ++PTF (SO16004) RC 57 IN A DB APPLICATION WITH EXTENDED PROGRAMMING PROBLEM DESCRIPTION: Datacom/DB applications written using Extended Programming Options can get RC 57(01) after the first CONNECT OPEN. CICS Service Facility that uses the methodology does not incur this problem. SYMPTOMS: DB application gets 57(01) after the OPEN IMPACT: DB Application using Extended Programming will not run successfully. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom/DB Version 15.0 CA Datacom/DB Release 15.1 Related Problem: DB 5709 Copyright (C) 2021 CA. All rights reserved. R00827-DCM151-SP2 DESC(RC 57 IN A DB APPLICATION WITH EXTENDED PROGRAMMING) . ++VER (Z038) FMID (CABDF10) SUP (R091845 R093201 R094176 R099886 ST16004 TR91845 TR93201 TR94176 TR99886)

Service	Details
SO16052	SO16052 M.C.S. ENTRIES = ++PTF (SO16052) PROVIDE BACKUPS FOR SU 2201 PAX PROBLEM DESCRIPTION: This solution provides new backups of Bases 2 and 15 and an updated CXX backup to be current for the new Service Update PAX. SYMPTOMS: None. IMPACT: None. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom Datadictionary Release 15.1 Related Problem: DD 2215 Copyright (C) 2021 CA. All rights reserved. R00832-DCM151-SP2 DESC (PROVIDE BACKUPS FOR SU 2201 PAX) . ++VER (Z038) FMID (CABDF10) PRE (S009479 S015947) SUP (S000475 ST00475 ST16052)

Service	Details
SO16056	SO16056 M.C.S. ENTRIES = ++PTF (SO16056) The following items are included in this solution: 1. (ENH)MF: INFRASTRUCTURE CODE CHANGES FOR FUTURE ENHANCEMENT 2. MF: SOC4 ABEND OCCURS ON TCP/IP TASK CANCEL OR TIMEOUT ===== (ENH)MF: INFRASTRUCTURE CODE CHANGES FOR FUTURE ENHANCEMENT ENHANCEMENT DESCRIPTION: This product enhancement delivers updated code which will form the basis for future code changes in the CA Datacom Server mainframe component. Additionally, it adds CPU usage statistics for TCP threads at shutdown and new informational and warning messages pertaining to TCP/IP events. PRODUCT(S) AFFECTED: CA Datacom Server Version 15.0 Related Problem: DBSRV 752 ===== MF: SOC4 ABEND OCCURS ON TCP/IP TASK CANCEL OR TIMEOUT PROBLEM DESCRIPTION: The CA Datacom Server mainframe (SVDBSPR) region abends intermittently when a TCP/IP connection/task is cancelled by a CANCEL= console command or times out after the TIMEOUT= threshold is triggered for an idle task. SYMPTOMS: The abend occurs in SVDBS14 OFFSET=0000BB88. However, the offset may differ depending on your PTF level. If the abend is triggered by a console cancel command, you will see the CANCEL= messages in the JESMSG LG and in SYSPRINT just prior to the abend. Ex: DSV00122I-Console command entered -CANCEL=0000001 DSV00036I-Workstation connection was terminated. DSV00036I-Task number: 1 User: DSV00036I-Date: 01/18/2021 Time: 14:18:10:57 Plan: xxxxx Likewise, if the abend is triggered by the idle task TIMEOUT, you will see the connection terminated with TIMEOUT messages. Ex: DSV00036I-Workstation connection was terminated. TIMEOUT DSV00036I-Task number: 1 User: DSV00036I-Date: 01/18/2021 Time: 13:05:22:04 Plan: xxxxx IMPACT: The Server mainframe region or started task abends and must be restarted. Any open connections at the time are lost and the client applications will likely suffer an exception. The CA Datacom Multi-User Facility is not affected. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom Server Version 15.0 Related Problem: DBSRV 12683 Copyright (C) 2021 CA. All rights reserved. R00124-DSR150-SP3 DESC((ENH)MF: INFRASTRUCTURE CODE CHANGES FOR FUTURE ENHANCEMENT). ++VER (Z038) FMID (CAYTF00) PRE (R067585 R069180 R069183 R069811 R070007 R071053

Service	Details
	R072672 R079250 R079334 R080137 R081721 R088156 R089159 R093486 R099839 S000288 S001707 S005095 S006664 S008110 S015082) SUP (AS08110 AS15082 R068064 R069282 R073508 R099018 S008666 S009941 S015298 ST03626 ST07737 ST08484 ST08666 ST09941 ST10634 ST11413 ST12087 ST15298 ST16056 TR68064 TR68949 TR69282 TR70685 TR72929 TR73306 TR73508 TR99018 TR99712) ++HOLD (SO16056) SYSTEM FMID(CAYTF00) REASON (DOC) DATE (21029) COMMENT (+-----+ CA Datacom Server Version 15.0 +-----+ ***** * PUBLICATION * ***** This PTF provides new informational and warning messages in the Datacom Server Mainframe component. Release Notes for CA Datacom Server can be found with the following URL: https://techdocs.broadcom.com/us/en/ca-mainframe-software/ database-management/ca-datacom-tools/15-1/release-notes-for-15-1/ ca-datacom-server-new-and-enhanced-features-for-15-x.html Information regarding message changes can be found in Datacom Tools 15.1 online documentation: https://techdocs.broadcom.com/us/en/ca-mainframe-software/ database-management/ca-datacom-messages/1-0/ ca-datacom-server-messages.html Information regarding new Server Input Parameters can be found with the following URL: https://techdocs.broadcom.com/us/en/ca-mainframe-software/ database-management/ca-datacom-tools/15-1/ working-with-ca-datacom-server-15-0/ using-ca-datacom-server/input-parameters.html Note: URL addresses do not contain any blank characters or white space. They are formatted to fit a 72 column line.).

Service	Details
SO16078	SO16078 M.C.S. ENTRIES = ++PTF (SO16078) ALLOW EQUATE PREDICATES W/ UNSIGNED NUMERIC IN SOURCE CACHE PROBLEM DESCRIPTION: When an equate predicate uses UNSIGNED NUMERICS it was marked as ineligible for the SOURCE CACHE. Example: <pre>SELECT COL1 - 1000, COL1, COL2 FROM T1 WHERE COL1 = COL2; COL1 is an UNSIGNED NUMERIC and COL2 is a char representation of a number.</pre> SYMPTOMS: Queries were not put in the SOURCE CACHE IMPACT: The queries were not able to take advantage of the SOURCE CACHE CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom SQL Release 15.1 Related Problem: SQL 2259 Copyright (C) 2021 CA. All rights reserved. R00833-DCM151-SP2 DESC(ALLOW EQUATE PREDICATES W/ UNSIGNED NUMERIC IN SOURCE CACHE). ++VER (Z038) FMID (CAVEF10) PRE (R090826 R092064 R097131 S000890 S001886 S005243 S005343 S006238 S006396 S006402 S007544 S009551 S010328 S011629 S012497 S015755 S015827 S015889) SUP (AR92064 AS01886 AS12743 EC92212 R089842 R096118 S000902 S004003 S004015 S010380 S011348 S012743 S013630 S014068 S015866 ST00902 ST04003 ST04015 ST09801 ST10380 ST11348 ST12743 ST13630 ST14068 ST15866 ST16078 TR89842 TR92901 TR96118)

Service	Details				
SO16084	SO16084 M.C.S. ENTRIES = ++PTF (SO16084) DDWKEY0043 INCORRECTLY ISSUED PROBLEM DESCRIPTION: When attempting to create a KEY with UNSIGNED BINARY FIELDS in DESCENDING order, a DDWKEY0043 warning is issued incorrectly because DATA-SENSITIVE attribute is forced to 'Y' when the ORDER is 'D'. SYMPTOMS: Warning Message: DDWKEY0043 UNSIGNED BINARY DATA-SENSITIVE SET TO "N" IMPACT: If a key has DESCENDING fields, DATA-SENSITIVE could be incorrectly forced to 'N'. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: <table> <tr> <td>CA Datacom Datadictionary</td><td>Version 15.0</td></tr> <tr> <td>CA Datacom Datadictionary</td><td>Release 15.1</td></tr> </table> Related Problem: DD 2216 Copyright (C) 2021 CA. All rights reserved. R00834-DCM151-SP2 DESC (DDWKEY0043 INCORRECTLY ISSUED). ++VER (Z038) FMID (CAADF10) PRE (S007564 S007572) SUP (ST16084)	CA Datacom Datadictionary	Version 15.0	CA Datacom Datadictionary	Release 15.1
CA Datacom Datadictionary	Version 15.0				
CA Datacom Datadictionary	Release 15.1				

Service	Details
SO16086	SO16086 M.C.S. ENTRIES = ++PTF (SO16086) I/O AND INTERNAL ERRORS AND ABEND SOC4 IN RESTART PROCESSING PROBLEM DESCRIPTION: After applying PTF SO14095, the CA Datacom/DB Multi-User Facility (MUF) can fail during startup in RESTART processing and not come up. The failure can occur if RESTART processing encounters one or more rows that need to be moved to a new location. The error is rare even under these conditions. SYMPTOMS: RESTART processing encounters I/O errors and issues the following messages: DB00817E - I/O ERR - NO RECORD FOUND LXX WRITE DB02405W - PXX START ***DBRST 0 13(003) ADD\$\$-..... TOTAL REDO..... DB02405W - PXX START ***DBRST 0 13(069) ADD\$\$-..... TOTAL REDO..... After possibly several of these messages, the MUF abends with a SOC4 in module DBTXBPR. IMPACT: The MUF is unavailable. CIRCUMVENTION: None. PRODUCT(S) AFFECTED: CA Datacom/DB Release 15.1 Related Problem: DB 5712 Copyright (C) 2021 CA. All rights reserved. R00835-DCM151-SP2 DESC(I/O AND INTERNAL ERRORS AND ABEND SOC4 IN RESTART PROCESSING). ++VER (Z038) FMID (CABDF10) PRE (R088469 R088863 R090075 R090903 R091632 R092259 R093647 R094095 R096133 R096852 R097818 R098364 S008300 S008500 S008926 S009648 S011906 S012178 S014067 S014095) SUP (AS14095 SC90081 S003985 S007008 S010261 ST03985 ST07008 ST10261 ST13837 ST16086)

Service	Details
SO16096	SO16096 M.C.S. ENTRIES = ++PTF (SO16096) LOOP OR INVALID RESULTS AFTER DYNAMIC EXTEND OF IXX006 PROBLEM DESCRIPTION: An execution of an SQL or CBS query may not retrieve a complete set of qualifying rows, or may result in a CA Datacom/DB Multi-User (MUF) loop. This will occur if both the following conditions are true. 1. A temporary index must be created in the CBS database in order to process the query. 2. The corresponding Virtual area has insufficient space to build the temporary index, resulting in a Dynamic Extend of IXX006 (assuming DBID 6 is being used for CBS), as indicated by the following message: DB01705I - DYNAMIC EXTEND START IXX006 The loop is the less common of the two symptoms. If there is no loop, but there is a dynamic extend, the one instance of the query which caused the dynamic extend, will have a few rows omitted from its result set. A subsequent run of the same query, which now does not cause a dynamic extend, will return the complete accurate results. SYMPTOMS: 1. An execution of an SQL or CBS query does not return the complete set of qualifying rows. 2. An execution of an SQL or CBS query results in a CPU loop in module DBIDXPB. IMPACT: 1. The result of a query is incorrect and misleading, or 2. There is a MUF outage since MUF must be cancelled to resolve the loop. CIRCUMVENTION: If the query does not return the complete result set, running the query a second time will. This is because there will be no need to extend the CBS index the second time the query runs. Specify a larger size on the VIRTUAL MUF Startup Option for the CBS DBID. PRODUCT(S) AFFECTED: CA Datacom/DBRelease 15.1 CA Datacom SQLRelease 15.1 Related Problem: DB 5713 Copyright (C) 2021 CA. All rights reserved. R00836-DCM151-SP2 DESC (LOOP OR INVALID RESULTS AFTER DYNAMIC EXTEND OF IXX006) . ++VER (Z038) FMID (CABDF10) PRE (R092259 R095667 S010395 S011479 S015521) SUP (R090197 R098142 R098800 S000922 S004938 S007141 ST00922 ST04938 ST07141 ST16096 TR90197 TR98142 TR98800) MCS LU00053 STARTS ON PAGE 0002 MCS LU00061 STARTS ON PAGE 0002 MCS LU00071 STARTS ON PAGE 0003 MCS S015871 STARTS ON PAGE 0004 MCS S016004 STARTS ON PAGE 0005 MCS S016052 STARTS ON PAGE 0006 MCS S016056 STARTS ON PAGE 0007

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CA RS 2102 - PTF SO16096 Details

Service	Details		
	MCS	SO16078	STARTS ON PAGE 0011
	MCS	SO16084	STARTS ON PAGE 0012
	MCS	SO16086	STARTS ON PAGE 0012
	MCS	SO16096	STARTS ON PAGE 0013

CA Datacom/AD 15.1
CA RS 2102 Product/Component Listing

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Product Family	Product	Release
Database	CA DATACOM/AD	15.01.00
	CA IPC	15.01.00
	CA DATACOM	15.00.00
The CA RS 2102 Product/Component Count for this release is 3		

CA Datacom/AD 15.1
All CA RS Levels Service List

CA RS Level	Service	FMID
CAR2102	S016096	CABDF10
	S016086	CABDF10
	S016084	CAADF10
	S016078	CAVEF10
	S016056	CAYTF00
	S016052	CABDF10
	S016004	CABDF10
	S015871	CABDF10
	LU00071	CABDF10
	LU00061	CABDF10
	LU00053	CABDF10
CAR2101	S016036	CABDF10
	S016006	CABDF10
	S015947	CABDF10
	S015912	CABDF10
	S015889	CAVEF10
	S015866	CAVEF10
	S015862	CABDF10
	S015827	CAVEF10
	S015755	CAVEF10
	S015728	CAVEF10
	S015724	CAADF10
	S015552	CABDF10
	S015243	CABDF10
	S015187	CABDF10
	S015152	CABDF10
CAR2012	S015651	CAADF10
	S015527	CAVEF10
	S015521	CABDF10
	S015490	CAADF10
	S015425	CAVEF10
	S015342	CAVEF10
	S015292	CABDF10
	S014980	CABDF10
CAR2011	S015298	CAYTF00
	S015286	CAADF10
	S015224	CAVEF10
	S015186	CABDF10
	S015165	CAVEF10
	S015083	CAYTF02
	S015082	CAYTF00
	S014998	CABDF10
	S014851	CAADF10
	S014825	CAVEF10
	S014818	CABDF10
	S014813	CAVEF10
	S014667	CAVEF10

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CA RS Level	Service	FMID
	S014578	CAVEF10
	S014423	CAVEF10
	S014067	CABDF10
CAR2010	S015008	CABDF10
	S014957	CAAXF10
	S014951	CABDF10
	S014911	CABDF10
	S014804	CAVEF10
	S014800	CAADF10
	S014765	CABDF10
	S014725	CAVEF10
	S014724	CABDF10
	S014651	CABDF10
	S014542	CABDF10
	S014507	CABDF10
	S014334	CABDF10
	S014297	CAVEF10
	S014271	CAVEF10
	S014100	CABDF10
	S014095	CABDF10
CAR2009	S014600	CAADF10
	S014495	CABDF10
	S014493	CAADF10
	S014369	CAVEF10
	S014359	CABDF10
	S014296	CABDF10
	S014256	CABDF10
	S014169	CABDF10
	S014147	CAVEF10
	S014105	CAVEF10
	S014079	CABDF10
	S013992	CAVEF10
	S013892	CAVEF10
	S011882	CABDF10
	S011872	CAAXF10
CAR2008	S014115	CABDF10
	S014070	CABDF10
	S014068	CAVEF10
	S013991	CABDF10
	S013902	CAVEF10
	S013882	CABDF10
	S013810	CAADF10
	S013788	CAVQF10
	S013742	CAVEF10
	S013740	CABDF10
	S013739	CAVEF10
	S013716	CABDF10

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CA RS Level	Service	FMID
	S013630	CAVEF10
	S013594	CABDF10
	S013581	CABDF10
	S013544	CAVEF10
	S013526	CAVEF10
	S013448	CAAXF10
	S013441	CAADF10
	S013286	CAVEF10
	S013249	CABDF10
	S013055	CAVEF10
CAR2007	S013667	CABDF10
	S013593	CABDF10
	S013463	CABDF10
	S013425	CABDF10
	S013398	CABDF10
	S013370	CABDF10
	S013173	CAVEF10
	S013156	CABDF10
	S013145	CAVEF10
	S013102	CAVEF10
	S013090	CABDF10
	R072189	CAYTF00
	R070316	CAYTF00
	R069811	CAYTF00
	R069282	CAYTF00
	R069183	CAYTF00
	R069180	CAYTF00
	R068064	CAYTF00
CAR2006	S013189	CABDF10
	S013162	CABDF10
	S013093	CAVEF10
	S013040	CABDF10
	S012962	CAVEF10
	S012932	CABDF10
	S012861	CAVEF10
	S012743	CAVEF10
	S011965	CABDF10
	S011513	CABDF10
CAR2005	S012828	CABDF10
	S012809	CABDF10
	S012776	CABDF10
	S012771	CABDF10
	S012636	CABDF10
	S012632	CABDF10
	S012601	CAVEF10
	S012557	CAVEF10
	S012504	CAVEF10

CA RS Level	Service	FMID
	S012497	CAVEF10
	S012203	CABDF10
	S012178	CABDF10
	S011951	CABDF10
CAR2004	S012202	CAADF10
	S012165	CABDF10
	S012048	CABDF10
	S011975	CABDF10
	S011629	CAVEF10
	S011348	CAVEF10
CAR2003	S012082	CAVQF10
	S011932	CABDF10
	S011906	CABDF10
	S011692	CAADF10
	S011678	CABDF10
	S010586	CAVEF10
CAR2002	S011673	CABDF10
	S011571	CABDF10
	S011562	CABDF10
	S011501	CABDF10
	S011479	CABDF10
	S011436	CABDF10
	S011435	CABDF10
	S011403	CABDF10
	S011331	CABDF10
	S011326	CAVEF10
	S011247	CABDF10
	S011223	CAVEF10
	S011192	CAVEF10
	S010960	CAVEF10
	S010870	CABDF10
	S010702	CAVEF10
	S009941	CAYTF00
CAR2001	S011278	CABDF10
	S011244	CABDF10
	S010748	CABDF10
	S010720	CABDF10
	S010697	CABDF10
CAR1912	S010776	CABDF10
	S010727	CABDF10
	S010624	CABDF10
	S010580	CABDF10
	S010571	CABDF10
	S010439	CABDF10
	S009551	CAVEF10
	S008336	CAVEF10
CAR1911	S010617	CABDF10

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CA RS Level	Service	FMID
	S010523	CAADF10
	S010519	CABDF10
	S010467	CAVEF10
	S010466	CAADF10
	S010462	CAADF10
	S010416	CABDF10
	S010395	CABDF10
	S010380	CAVEF10
	S010373	CABDF10
	S010335	CAVEF10
	S010328	CAVEF10
	S010261	CABDF10
	S010095	CABDF10
	S010082	CABDF10
	S009994	CAVEF10
	S009683	CABDF10
	S009437	CAVEF10
	S009190	CAVEF10
CAR1910	S010109	CABDF10
	S009919	CAADF10
	S009835	CABDF10
	S009814	CAVEF10
	S009679	CABDF10
	S009494	CABDF10
	S009474	CABDF10
CAR1909	S009749	CAADF10
	S009682	CABDF10
	S009648	CABDF10
	S009610	CABDF10
	S009543	CABDF10
	S009510	CABDF10
	S009479	CABDF10
	S009464	CABDF10
	S009367	CABDF10
	S009270	CABDF10
	S008758	CAVEF10
CAR1908	S009219	CABDF10
	S009151	CABDF10
	S009143	CABDF10
	S008933	CAVEF10
	S008913	CAADF10
	S008889	CAVEF10
	S008801	CAVEF10
	S008749	CABDF10
	S008666	CAYTF00
	S008622	CABDF10
	S008452	CAVEF10

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CA RS Level	Service	FMID
	S008294	CABDF10
CAR1907	S009034	CABDF10
	S008926	CABDF10
	S008775	CABDF10
	S008697	CABDF10
	S008685	CABDF10
	S008602	CABDF10
	S008590	CABDF10
	S008488	CABDF10
	S008444	CABDF10
	S008394	CABDF10
	S008374	CAVEF10
	S008110	CAYTF00
	S008017	CAVEF10
CAR1906	S008545	CAADF10
	S008500	CABDF10
	S008458	CAVQF10
	S008300	CABDF10
	S008181	CABDF10
	S008120	CABDF10
	S008032	CABDF10
	S007557	CAVEF10
	S007544	CAVEF10
CAR1905	S008152	CABDF10
	S007948	CABDF10
	S007923	CABDF10
	S007900	CABDF10
	S007867	CAVQF10
	S007846	CABDF10
	S007835	CABDF10
	S007533	CAYTF02
	S007524	CABDF10
	S007519	CABDF10
CAR1904	S007786	CABDF10
	S007735	CAADF10
	S007733	CABDF10
	S007572	CAADF10
	S007564	CAADF10
	S007530	CABDF10
	S007496	CABDF10
	S007480	CABDF10
	S007468	CAVEF10
	S007461	CAVEF10
	S007425	CABDF10
	S007405	CABDF10
	S007233	CABDF10
	S007166	CABDF10

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CA RS Level	Service	FMID
	S007008	CABDF10
	S006957	CABDF10
CAR1903	S007320	CABDF10
	S007262	CABDF10
	S007258	CABDF10
	S007234	CABDF10
	S007219	CABDF10
	S007202	CABDF10
	S007190	CABDF10
	S007141	CABDF10
	S007055	CABDF10
	S007039	CABDF10
	S007034	CABDF10
	S006999	CAVEF10
	S006945	CABDF10
	S006922	CAVEF10
	S006846	CAVEF10
	S006768	CABDF10
	S006750	CAVEF10
	S006748	CABDF10
	S004529	CAADF10
CAR1902	S007113	CABDF10
	S007076	CAVQF10
	S006840	CABDF10
	S006815	CABDF10
	S006692	CABDF10
	S006665	CAYTF02
	S006664	CAYTF00
	S006613	CABDF10
	S006547	CABDF10
	S006404	CABDF10
	S005865	CAYTF02
CAR1901	S006715	CABDF10
	S006676	CABDF10
	S006626	CAVEF10
	S006551	CABDF10
	S006519	CABDF10
	S006473	CAVEF10
	S006440	CAVEF10
	S006422	CABDF10
	S006412	CAVEF10
	S006402	CAVEF10
	S006401	CABDF10
	S006396	CAVEF10
	S006387	CAVEF10
	S006366	CABDF10
	S006365	CABDF10

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CA RS Level	Service	FMID
	S006238	CAVEF10
CAR1812	S006314	CABDF10
	S006231	CAVEF10
	S006217	CABDF10
	S006174	CAVEF10
	S006133	CABDF10
	S005985	CAADF10
	S005964	CABDF10
	S005962	CABDF10
	S005935	CAVEF10
	S005882	CABDF10
	S005562	CAVEF10
CAR1811	S005864	CABDF10
	S005778	CABDF10
	S005738	CABDF10
	S005708	CABDF10
	S005665	CABDF10
	S005617	CABDF10
	S005600	CAVEF10
	S005597	CABDF10
	S005583	CABDF10
	S005492	CABDF10
	S005423	CABDF10
	S005417	CAVEF10
	S005404	CABDF10
	S005360	CABDF10
	S005352	CAVEF10
	S005300	CAVEF10
	S005278	CABDF10
	S005096	CAYTF02
	S005095	CAYTF00
CAR1810	S005596	CABDF10
	S005383	CABDF10
	S005361	CABDF10
	S005343	CAVEF10
	S005301	CABDF10
	S005243	CAVEF10
	S005239	CABDF10
	S005221	CABDF10
	S005210	CAVEF10
	S005206	CABDF10
	S005190	CAVEF10
	S005131	CABDF10
	S005085	CAVQF10
	S004938	CABDF10
	S004931	CABDF10
	S004867	CAVEF10

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CA RS Level	Service	FMID
	S004565	CABDF10
CAR1809	S005129	CABDF10
	S004997	CABDF10
	S004978	CABDF10
	S004969	CAVEF10
	S004927	CAVEF10
	S004889	CAVEF10
	S004849	CAVEF10
	S004783	CABDF10
	S004745	CABDF10
	S004559	CABDF10
	S004538	CABDF10
	S004485	CAADF10
	S003799	CABDF10
	S003704	CABDF10
	S003692	CABDF10
CAR1808	S004646	CAYTF00
	S004357	CAVEF10
	S004298	CABDF10
	S004243	CAVEF10
	S004197	CAVEF10
	S004157	CAADF10
	S004152	CAVEF10
	S004151	CABDF10
	S004095	CABDF10
	S004057	CABDF10
	S003985	CABDF10
	S003866	CABDF10
	S003827	CABDF10
	S001837	CABDF10
	S001707	CAYTF00
	S000289	CAYTF02
	S000288	CAYTF00
	R099018	CAYTF00
CAR1807	S004096	CABDF10
	S004045	CAVEF10
	S004034	CAVEF10
	S004015	CAVEF10
	S004003	CAVEF10
	S003941	CABDF10
	S003895	CAVEF10
	S003879	CABDF10
	S003853	CABDF10
	S003825	CABDF10
	S003791	CAVEF10
	S003770	CABDF10
	S003683	CAVEF10

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CA RS Level	Service	FMID
	S001886	CAVEF10
	S001804	CABDF10
CAR1806	S001909	CAVQF10
	S001888	CABDF10
	S001724	CABDF10
	S001708	CABDF10
	S001597	CABDF10
	S001569	CABDF10
	S001512	CAVEF10
	S001439	CABDF10
	S001350	CAVEF10
	S001277	CABDF10
	S001215	CABDF10
	S000956	CAVEF10
	S000902	CAVEF10
	S000890	CAVEF10
	S000167	CABDF10
CAR1805	S001443	CABDF10
	S001390	CABDF10
	S001230	CABDF10
	S001226	CABDF10
	S001212	CABDF10
	S001184	CABDF10
	S001151	CAVQF10
	S000426	CAVEF10
CAR1804	S000922	CABDF10
	S000629	CABDF10
	S000074	CABDF10
	S000007	CABDF10
	R099997	CABDF10
	R099171	CABDF10
CAR1803	S000657	CABDF10
	S000595	CABDF10
	S000475	CABDF10
	S000436	CABDF10
	S000315	CABDF10
CAR1802	S000035	CABDF10
	R099972	CAVEF10
	R099969	CAVEF10
	R099964	CAVEF10
	R099902	CABDF10
	R099886	CABDF10
	R099840	CAYTF02
	R099839	CAYTF00
	R099738	CABDF10
	R099737	CABDF10
	R099516	CABDF10

CA RS Level	Service	FMID
	R099067	CABDF10
CAR1801	R099675	CABDF10
	R099532	CABDF10
	R099390	CABDF10
	R099352	CABDF10
	R099100	CABDF10
CAR1712	R099168	CAVEF10
	R099051	CAVEF10
	R099007	CAVEF10
	R098973	CABDF10
	R098926	CABDF10
	R098879	CABDF10
	R098846	CABDF10
	R098800	CABDF10
	R098737	CABDF10
	R098604	CABDF10
	R098085	CABDF10
	R098045	CAYTF02
	R097050	CAYTF02
	R097049	CAYTF00
	R095900	CAYTF00
CAR1711	R098683	CABDF10
	R098636	CAADF10
	R098593	CABDF10
	R098521	CAVEF10
	R098426	CABDF10
	R098417	CABDF10
	R098393	CABDF10
	R098364	CABDF10
	R098348	CABDF10
	R098249	CABDF10
	R098231	CAADF10
	R098220	CABDF10
	R098142	CABDF10
	R098059	CABDF10
CAR1710	R098254	CAYTF00
	R098204	CAADF10
	R098170	CAADF10
	R098086	CABDF10
	R097972	CABDF10
	R097932	CABDF10
	R097893	CABDF10
	R097868	CAADF10
	R097818	CABDF10
	R097757	CABDF10
	R097743	CABDF10
	R097729	CABDF10

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CA RS Level	Service	FMID
	R097723	CABDF10
	R097700	CABDF10
	R097674	CABDF10
	R097607	CAADF10
CAR1709	R097677	CABDF10
	R097639	CABDF10
	R097626	CABDF10
	R097526	CABDF10
	R097493	CAADF10
	R097490	CABDF10
	R097467	CAVQF10
	R097460	CAADF10
	R097416	CABDF10
	R097392	CABDF10
	R097386	CAADF10
	R097382	CABDF10
	R097343	CABDF10
	R097329	CABDF10
	R097238	CABDF10
	R097236	CAVEF10
	R097225	CAVEF10
	R097209	CABDF10
	R097131	CAVEF10
	R097126	CAVEF10
	R096797	CAVEF10
	R096118	CAVEF10
	R095978	CAVEF10
CAR1708	R097082	CABDF10
	R096949	CAADF10
	R096852	CABDF10
	R096824	CABDF10
	R096821	CABDF10
	R096806	CABDF10
	R096769	CABDF10
	R096719	CABDF10
	R096617	CABDF10
	R096370	CABDF10
CAR1707	R096707	CAYTF02
	R096568	CABDF10
	R096537	CAADF10
	R096499	CABDF10
	R096447	CABDF10
	R096440	CABDF10
	R096426	CABDF10
	R096420	CABDF10
	R096403	CABDF10
	R096260	CABDF10

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CA RS Level	Service	FMID
	R096191	CABDF10
	R095487	CAADF10
CAR1706	R096346	CAADF10
	R096313	CABDF10
	R096312	CABDF10
	R096304	CAADF10
	R096300	CABDF10
	R096257	CAADF10
	R096252	CABDF10
	R096213	CABDF10
	R096204	CABDF10
	R096133	CABDF10
	R096053	CABDF10
	R095915	CABDF10
	R095833	CABDF10
	R095761	CABDF10
	R095719	CABDF10
	R095676	CABDF10
	R095600	CABDF10
	R095564	CABDF10
	R095097	CAADF10
	R094902	CABDF10
CAR1705	R095737	CAVEF10
	R095667	CABDF10
	R095609	CAVEF10
	R095548	CABDF10
	R095352	CAVEF10
	R095305	CABDF10
	R095277	CABDF10
	R095235	CAVEF10
	R095037	CABDF10
	R094176	CABDF10
CAR1704	R095080	CABDF10
	R094912	CABDF10
	R094907	CABDF10
	R094783	CABDF10
	R094696	CAVEF10
	R094632	CABDF10
CAR1703	R094324	CAVEF10
	R094280	CABDF10
	R094247	CAVEF10
	R093821	CAVEF10
	R093677	CAVEF10
	R093613	CAVEF10
CAR1702	R094095	CABDF10
	R094090	CABDF10
	R094085	CABDF10

CA RS Level	Service	FMID
	R094001	CABDF10
	R094000	CABDF10
	R093647	CABDF10
	R093616	CABDF10
	R093587	CABDF10
	R093585	CABDF10
	R093486	CAYTF00
CAR1701	R093666	CAVEF10
	R093560	CAVEF10
	R093454	CABDF10
	R093450	CABDF10
	R093436	CABDF10
	R093373	CAADF10
	R093324	CAVEF10
	R093251	CABDF10
	R093201	CABDF10
	R093127	CABDF10
	R093092	CABDF10
	R092954	CABDF10
	R092864	CAVEF10
	R092858	CABDF10
	R092736	CAADF10
	R092663	CAYTF02
	R092600	CABDF10
	R092507	CAADF10
	R092441	CABDF10
	R092436	CABDF10
	R092398	CABDF10
	R092282	CAVEF10
	R092277	CABDF10
	R092259	CABDF10
	R092243	CABDF10
	R092173	CAVEF10
	R092064	CAVEF10
	R092009	CAVEF10
	R091992	CAVEF10
	R091930	CAVEF10
	R091845	CABDF10
	R091732	CABDF10
	R091729	CAVQF10
	R091719	CAADF10
	R091648	CABDF10
	R091632	CABDF10
	R091631	CABDF10
	R091630	CABDF10
	R091587	CABDF10
	R091515	CABDF10

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CA RS Level	Service	FMID
	R091427	CABDF10
	R091404	CABDF10
	R091394	CABDF10
	R091352	CABDF10
	R091254	CABDF10
	R091226	CAVEF10
	R091196	CAADF10
	R091185	CAADF10
	R091180	CABDF10
	R091166	CABDF10
	R091165	CABDF10
	R091141	CABDF10
	R091115	CAVEF10
	R091079	CABDF10
	R091015	CABDF10
	R090950	CAADF10
	R090903	CABDF10
	R090854	CAVEF10
	R090838	CAADF10
	R090826	CAVEF10
	R090821	CABDF10
	R090729	CAADF10
	R090607	CAVQF10
	R090586	CABDF10
	R090535	CABDF10
	R090486	CABDF10
	R090414	CAVQF10
	R090397	CABDF10
	R090276	CABDF10
	R090216	CAVEF10
	R090197	CABDF10
	R090182	CABDF10
	R090179	CABDF10
	R090156	CAVEF10
	R090155	CAVEF10
	R090075	CABDF10
	R090074	CAADF10
	R090065	CABDF10
	R090044	CAVEF10
	R089985	CAVQF10
	R089915	CAVQF10
	R089842	CAVEF10
	R089839	CAVEF10
	R089666	CABDF10
	R089594	CAVQF10
	R089559	CABDF10
	R089521	CAVEF10

CA RS Level	Service	FMID
	R089520	CAVEF10
	R088863	CABDF10
	R088617	CAVEF10
	R088611	CAVEF10
	R088550	CAVEF10
	R088530	CABDF10
	R088480	CAVEF10
	R088479	CAVEF10
	R088475	CAVEF10
	R088469	CABDF10
CAR1608	R089160	CAYTF02
	R089159	CAYTF00
CAR1605	R089016	CAYTF02
CAR1604	R088157	CAYTF02
	R088156	CAYTF00
	R087666	CAYTF02
CAR1602	R081768	CAYTF02
	R079335	CAYTF02
	R079251	CAYTF02
	R076353	CAYTF02
	R074101	CAYTF02
	R073679	CAYTF02
CAR1507	R081721	CAYTF00
CAR1506	R080137	CAYTF00
CAR1505	R079334	CAYTF00
CAR1504	R079250	CAYTF00
CAR1411	R073785	CAYTF00
	R073508	CAYTF00