

CA IDMS 18.5
CA RS 1705 Service List

| Service | Description | Type |
|---|--|------|
| R091258 | ALLOW FACTOTUM TYPE 21 (VTAM QUERY BIT) TASKS TO TIMEOUT | PTF |
| R095020 | OLQ GROUP BY DBKEY INCORRECT | PTF |
| R095152 | MEMORY CACHE INITIALIZATION MULTITASKING CONFLICT | PTF |
| R095213 | DSCCACHE NOT RELEASING ILESQL LOCK | PTF |
| R095240 | CLEAR KEY NOT EFFECTIVE DURING LINE I/O SESSION | PTF |
| R095310 | OQ143014 WHEN REFERENCING A PACKED DECIMAL > 16 DIGITS | PTF |
| R095315 | #HOOK LOC= MUST BE ACON OR FULLWORD | PTF |
| R095377 | VARIOUS ABENDS/LOOP AFTER IDMS/4922,5090,5109,5145 PTFS APLD | PTF |
| R095410 | IDMSLOOK PROGRAM= DISPLAYING INVALID COMPONENT DATA | PTF |
| R095662 | NEW #MOPT PARM TO DISPLAY MACRO LIBRARY VERSION | PTF |
| The CA RS 1705 service count for this release is 10 | | |

CA IDMS
CA RS 1705 Service List for CAGJI50

| FMID | Service | Description | Type |
|--|---------|--|------|
| CAGJI50 | R091258 | ALLOW FACTOTUM TYPE 21 (VTAM QUERY BIT) TASKS TO TIMEOUT | PTF |
| | R095020 | OLQ GROUP BY DBKEY INCORRECT | PTF |
| | R095152 | MEMORY CACHE INITIALIZATION MULTITASKING CONFLICT | PTF |
| | R095213 | DSCCACHE NOT RELEASING ILESQ L LOCK | PTF |
| | R095240 | CLEAR KEY NOT EFFECTIVE DURING LINE I/O SESSION | PTF |
| | R095310 | OQ143014 WHEN REFERENCING A PACKED DECIMAL > 16 DIGITS | PTF |
| | R095315 | #HOOK LOC= MUST BE ACON OR FULLWORD | PTF |
| | R095377 | VARIOUS ABENDS/LOOP AFTER IDMS/4922,5090,5109,5145 PTFS APLD | PTF |
| | R095410 | IDMSLOOK PROGRAM= DISPLAYING INVALID COMPONENT DATA | PTF |
| | R095662 | NEW #MOPT PARM TO DISPLAY MACRO LIBRARY VERSION | PTF |
| The CA RS 1705 service count for this FMID is 10 | | | |

CA IDMS 18.5
CA RS 1705 - PTF RO91258 Details

| Service | Details |
|---------|---|
| RO91258 | <p>RO91258 M.C.S. ENTRIES = ++PTF (RO91258)</p> <p>ALLOW FACTOTUM TYPE 21 (VTAM QUERY BIT) TASKS TO TIMEOUT</p> <p>PROBLEM DESCRIPTION:</p> <p>If a VTAM terminal has the PSERVIC+1=X'80' set in the modeent entry, indicating it has Query capability of its extended attributes, then the IDMS VTAM line driver sets a corresponding flag in the IDMS lterm for the associated VTAM terminal. The IDMS VTAM line driver will schedule a factotum task with a factotum type 21 to query extended attributes of the VTAM terminal and the LTEFACCD is updated to LTEFAC21 in the IDMS lterm. The factotum task sends the terminal a 'write-structured field' command (WSF) with a Read Partition order. The terminal should reply with a Query Reply Structured Field, which describes a number of attributes the device supports, such as color, highlighting, screen size. If the terminal becomes unresponsive during the query, the factotum task will hang indefinitely as factotum tasks are not included in timeout processing by IDMS time management routines.</p> <p>In addition to the FACTOTUM time out issue, this fix also addresses a problem where CV startup is not aborted when there is a problem attaching a startup autotask defined with options PREEMPT and ABEND. If optional apar bit 321 is on and there is problem getting the message from the dictionary; or if the message severity has been changed from 8 to zero, CV will continue to startup. With this fix the severity of message DC013009 will be overridden to be an 8 and CV startup will abort.</p> <p>SYMPTOMS:</p> <p>DCMT Display Active Tasks will show the hanging factotum task(s) waiting on the PTERECB and a DCMT Display Memory LTE ltename +106 (i.e. LTEFACCD) =x'54' or LTEFAC21 for the associated VTAM terminal. Repeating the DCMT commands shows no activity for the factotum task. For the auto task issue, the symptom is seeing message DC013009 with or without message text, and the system comes up anyway.</p> <p>IMPACT:</p> <p>The hung factotum tasks will not terminate and remain holding resources until the IDMS CV is recycled.</p> <p>For the auto task issue, the auto task was defined as PREEMPT ABORT because the intent was that if the task does not run, CV should not start, yet it started.</p> <p>CIRCUMVENTION:</p> <p>There is no circumvention. You can vary the IDMS PTERM OFFLINE and then vary it ONLINE and the FACTOTUM will terminate.</p> <p>For the autotask issue. Turn off bit 321 if on. Or change the message severity back to 8 or 9, if it had been lowered to zero.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA IDMS Base Option Release 18.5 CA IDMS Base Option Version 19.0</p> <p>Related Problem: IDMS 5270</p> <p>Copyright (C) 2017 CA. All rights reserved. R00585-AGJ185-SP1</p> <p>DESC(ALLOW FACTOTUM TYPE 21 (VTAM QUERY BIT) TASKS TO TIMEOUT). ++VER (Z038) FMID (CAGJI50) PRE (R067394 RO71145 RO80338 RO80769 RO83439) SUP (TR91258)</p> |

CA IDMS 18.5
CA RS 1705 - PTF RO95020 Details

| Service | Details |
|---------|---|
| RO95020 | <p>RO95020 M.C.S. ENTRIES = ++PTF (RO95020)</p> <p>OLQ GROUP BY DBKEY INCORRECT</p> <p>PROBLEM DESCRIPTION: OLQ SQL queries utilizing OPTIONS DBKEY where GROUP BY includes a DBKEY is not functioning correctly.</p> <p>SYMPTOMS: The same DBKEY is displayed in all columns. The sequence of the returned columns is not affected by DBKEY values.</p> <p>IMPACT: GROUP BY containing a DBKEY reference does not produce expected results.</p> <p>CIRCUMVENTION: None. Removing the GROUP BY clause displays the correct DBKEYs.</p> <p>PRODUCT(S) AFFECTED: CA IDMS Release 19.0</p> <p>CA IDMS Release 18.5</p> <p>Related Problem: IDMS 5338</p> <p>Copyright (C) 2017 CA. All rights reserved. R00653-AGJ185-SP1</p> <p>DESC(OLQ GROUP BY DBKEY INCORRECT). ++VER (Z038) FMID (CAGJI50) PRE (RO59834 RO65212 RO69186 RO71145 RO78002 RO83203 RO86296) SUP (RO61091 RO82448 TR60241 TR61091 TR82448 TR95020)</p> |

CA IDMS 18.5
 CA RS 1705 - PTF RO95152 Details

| Service | Details |
|--|--|
| USERS AFFECTED All IDMS users | ----- ----- ----- |
| KNOWLEDGE REQUIRED Update definitions in the Dictionary | ----- ----- ----- |
| ACCESS REQUIRED Ability to run IDMSDDDL in batch or use IDD online | ----- ----- ----- |
| | +-----+ ***** * STEPS TO PERFORM * ***** After installing this PTF, please use the IDMSDDDL utility to update your SYSTEM dictionary's message area with the input in source member DC170. Please note using this member will result in the update of all messages contained within DC170. You may optionally decide to only update the specific message(s) associated with this correction. To do this simply include message(s) DC170106 as input to the IDMSDDDL utility. The source will be in the SMP/E CAGJSRC library.). |

CA IDMS 18.5
CA RS 1705 - PTF RO95213 Details

| Service | Details | | | | |
|---------------------|---|---------------------|--------------|---------------------|--------------|
| RO95213 | <p>RO95213 M.C.S. ENTRIES = ++PTF (RO95213)</p> <p>DSCCACHE NOT RELEASING ILESQ L LOCK</p> <p>PROBLEM DESCRIPTION:</p> <p>When selecting from the DSCCACHE table procedure multiple times in the same SQL query with SQL CACHE enabled, IDMS will try to lock the SQL cache each time the procedure is called. IDMS will fail the task with the message DC249005 correctly, but IDMS will not release the ILESQ L lock and subsequent attempts to use OCF or SQL will hang.</p> <p>SYMPTOMS:</p> <p>The exact symptoms will vary depending on specific site configurations. This could manifest as a system hang, a task abend or no errors until shutdown.</p> <p>IMPACT:</p> <p>Site specific depending on site configuration.</p> <p>CIRCUMVENTION:</p> <p>Disable SQL caching with SYSIDMS-parameter: SQL_CACHE_ENTRIES=0 or by specifying session statement: SET SESSION SQL CACHING OFF; or by turning off SQL caching in the CV by issuing the command: Update SYSCA.DSCCACHEOPT set DEFAULT = 'OFF';</p> <p>PRODUCT(S) AFFECTED:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">CA IDMS Base Option</td> <td style="text-align: right;">Release 18.5</td> </tr> <tr> <td>CA IDMS Base Option</td> <td style="text-align: right;">Release 19.0</td> </tr> </table> <p>Related Problem:</p> <p>IDMS 5342</p> <p>Copyright (C) 2017 CA. All rights reserved. R00656-AGJ185-SP1</p> <p>DESC(DSCCACHE NOT RELEASING ILESQ L LOCK).</p> <p>++VER (Z038)</p> <p>FMID (CAGJI50)</p> <p>SUP (TR95213)</p> | CA IDMS Base Option | Release 18.5 | CA IDMS Base Option | Release 19.0 |
| CA IDMS Base Option | Release 18.5 | | | | |
| CA IDMS Base Option | Release 19.0 | | | | |

CA IDMS 18.5
CA RS 1705 - PTF RO95240 Details

| Service | Details |
|---------|--|
| RO95240 | <p>RO95240 M.C.S. ENTRIES = ++PTF (RO95240)</p> <p>CLEAR KEY NOT EFFECTIVE DURING LINE I/O SESSION</p> <p>PROBLEM DESCRIPTION: DC Assembler applications doing line mode I/O to a terminal do not detect when the CLEAR key has been pressed.</p> <p>SYMPTOMS: When the CLEAR key is pressed in DC Assembler applications which do line mode I/O to a terminal using the #LINEIN AND #LINEOUT macros with the COND=CANC parameter, the screen is cleared but the #LINEIN macro gives a return code of 0. The #LINEIN macro should be returning a return code 8 in this situation, so that the calling program can detect that the CLEAR key was pressed.</p> <p>IMPACT: DC Assembler applications may not function properly when the CLEAR key is pressed.</p> <p>CIRCUMVENTION: Changes made for Problem 5137 have been identified as the cause of the CLEAR key problem. Users may backout APAR R084317 for IDMS Version 18.5 or APAR R084399 for version 19.0. Once the appropriate APAR has been backed out the ENTER key should be used when accessing multiple pages of line mode I/O instead of the CLEAR key.</p> <p>PRODUCT(S) AFFECTED: CA IDMS Base Option Release 18.5 CA IDMS Base Option Version 19.0</p> <p>Related Problem: IDMS 5336</p> <p>Copyright (C) 2017 CA. All rights reserved. R00657-AGJ185-SP1</p> <p>DESC(CLEAR KEY NOT EFFECTIVE DURING LINE I/O SESSION). ++VER (Z038) FMID (CAGJI50) PRE (RO70461) SUP (RO80360 R084317 TR80360 TR84317 TR94981 TR95240)</p> |

CA IDMS 18.5
CA RS 1705 - PTF RO95310 Details

| Service | Details |
|---------|---|
| RO95310 | <p>RO95310 M.C.S. ENTRIES = ++PTF (RO95310)</p> <p>OQ143014 WHEN REFERENCING A PACKED DECIMAL > 16 DIGITS</p> <p>PROBLEM DESCRIPTION:</p> <p>OLQ queries that compare a packed decimal field in the WHERE clause to a numeric constant will fail if the packed decimal field is defined with a length of 16 digits or greater.</p> <p>SYMPTOMS:</p> <p>Error message OQ143014 "This numeric constant is too large for expression." will be issued and the query will fail.</p> <p>IMPACT:</p> <p>Error message OQ143014 "This numeric constant is too large for expression." will be issued and the query will fail.</p> <p>CIRCUMVENTION:</p> <p>None</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA IDMS Base Option Release 18.5</p> <p>CA IDMS Base Option Version 19.0</p> <p>Related Problem:</p> <p>IDMS 5320</p> <p>Copyright (C) 2017 CA. All rights reserved. R00659-AGJ185-SP1</p> <p>DESC(OQ143014 WHEN REFERENCING A PACKED DECIMAL > 16 DIGITS).</p> <p>++VER (Z038)</p> <p>FMID (CAGJI50)</p> <p>PRE (R084933)</p> <p>SUP (TR95310)</p> |

CA IDMS 18.5
CA RS 1705 - PTF RO95315 Details

| Service | Details |
|---------|--|
| RO95315 | <p>RO95315 M.C.S. ENTRIES = ++PTF (RO95315)</p> <p>#HOOK LOC= MUST BE ACON OR FULLWORD</p> <p>PROBLEM DESCRIPTION:</p> <p>When the #HOOK LOC= parameter is coded as a label instead of a register, the macro returns an MNOTE error indicating the label is not an ACON or register.</p> <p>The parameter is documented as passing the address of an entry point which may be in a register or a label. The check for a fullword, ACON, or VCON, prevents a label from being used as an entry point.</p> <p>SYMPTOMS:</p> <p>** ASMA254I *** MNOTE ***</p> <p>8,LOC MUST BE EITHER A REGISTER AN ACON OR A FULLWORD</p> <p>This fix removes the macro instructions which check if LOC= is a fullword, ACON, or VCON. Any label will be allowed as an entry point. It will have no impact on programs which are currently passing the entry point in a register.</p> <p>IMPACT:</p> <p>The program does not assemble correctly.</p> <p>CIRCUMVENTION:</p> <p>Pass EP address in a register.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA IDMS Base Option Release 18.5 CA IDMS Base Option Version 19.0</p> <p>Related Problem:</p> <p>IDMS 5346</p> <p>Copyright (C) 2017 CA. All rights reserved. R00660-AGJ185-SP1</p> <p>DESC(#HOOK LOC= MUST BE ACON OR FULLWORD). ++VER (Z038) FMID (CAGJI50) PRE (RO80338) SUP (TR95315)</p> |

CA IDMS 18.5
CA RS 1705 - PTF RO95377 Details

| Service | Details |
|---------|---|
| RO95377 | <p>RO95377 M.C.S. ENTRIES = ++PTF (RO95377)</p> <p>VARIOUS ABENDS/LOOP AFTER IDMS/4922,5090,5109,5145 PTFs APLD</p> <p>PROBLEM DESCRIPTION:</p> <p>Various types of abends and loops have been reported after applying PTFs related to IDMS problems IDMS/4922, IDMS/5090, IDMS/5109 and IDMS/5145.</p> <p>IDMS/4922 - AFTER THE RLES ARE INCREASED, IDMS GOES INTO A 3970.</p> <p>IDMS/5090 - IDMS TASKS GET DC021003 ERRORS.</p> <p>IDMS/5109 - A VARY DYNAMIC PROGRAM DELETE CAUSES A DC022003 ABEND.</p> <p>IDMS/5145 - IDMS CRASHES WITH A 3948 ABEND.</p> <p>Dump research from the abends have shown incorrect resource management of program type resources and premature execution of tasks that should be waiting for program types that have been new copied and are still in use by an active task.</p> <p>SYMPTOMS:</p> <p>One example is an active task is using subschema XXX. A DCMT VARY SUBSCHEMA XXX NC command is issued and marks SUBSCHEMA XXX for new copy. A third task begins execution while the first task is still active and using subschema XXX. The third task also uses subschema XXX and should wait until the first task is finished with subschema XXX. However, the third task does not wait and uses a corrupted copy of subschema XXX resulting in a loop or abend.</p> <p>IMPACT:</p> <p>The CV will loop and need to be cancelled or a System Module Program Check or various S0Cn abends can occur.</p> <p>CIRCUMVENTION:</p> <p>There is no circumvention.</p> <p>PRODUCT(S) AFFECTED:</p> <p>CA IDMS Release 19.0</p> <p>CA IDMS Release 18.5</p> <p>Related Problem:</p> <p>IDMS 5345</p> <p>Copyright (C) 2017 CA. All rights reserved. R00661-AGJ185-SP1</p> <p>DESC(VARIOUS ABENDS/LOOP AFTER IDMS/4922,5090,5109,5145 PTFs APLD).</p> <p>++VER (Z038)</p> <p>FMID (CAGJI50)</p> <p>PRE (R058656 R063736 R071145 R071746 R073563 R080165 R080338 R083439 R085966 R092574)</p> <p>SUP (R058072 R065395 R070628 R083094 R083244 R084551 R090316 R092070 TR56816 TR58072 TR60413 TR65395 TR70628 TR83094 TR83244 TR84551 TR85147 TR89072 TR90316 TR91326 TR91470 TR91536 TR91629 TR91692 TR92070 TR95377)</p> |

CA IDMS 18.5
CA RS 1705 - PTF RO95410 Details

| Service | Details | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|--|--------|--------|---------|---------|------|------|----------|----|--------|------|---------|---------|----------|--------|--------|------|---------|---------|--------|--------|--------|------|------|-------|---------------------|--------------|---------------------|--------------|---------------------|--------------|
| RO95410 | <p>RO95410 M.C.S. ENTRIES = ++PTF (RO95410)</p> <p>IDMSLOOK PROGRAM= DISPLAYING INVALID COMPONENT DATA</p> <p>PROBLEM DESCRIPTION:</p> <p>The PROGRAM= and DATES= functions for program IDMSLOOK and task LOOK may report components in a load module that do not exist, and the data for that component will be invalid. It may contain hex and non-displayable data interspersed with displayable characters.</p> <p>IDMSLOOK is incorrectly identifying some internal locations as the start of a module ID, and displaying what follows as data. This fix adds extra edit checks to validate a location is a module ID before reporting it.</p> <p>SYMPTOMS:</p> <p>A LOOK PROGRAM= or DATES= report may contain data similar to this:</p> <table border="0"> <thead> <tr> <th>Module</th> <th>Offset</th> <th>Date</th> <th>Time</th> <th>FMID</th> <th>RMID</th> </tr> </thead> <tbody> <tr> <td>IDDSMAIN</td> <td>+0</td> <td>161130</td> <td>1012</td> <td>CAGJJ00</td> <td>RO93347</td> </tr> <tr> <td>ICMS..69</td> <td>+B512A</td> <td>..&...</td> <td>-...</td> <td>97879.&</td> <td>{o...}}</td> </tr> <tr> <td>E DATE</td> <td>+A58D8</td> <td>WA) #L</td> <td>AD#D</td> <td>TIME</td> <td>A(LWA</td> </tr> </tbody> </table> <p>IMPACT:</p> <p>The report contains incorrect information.</p> <p>CIRCUMVENTION:</p> <p>None</p> <p>PRODUCT(S) AFFECTED:</p> <table border="0"> <tr> <td>CA IDMS Base Option</td> <td style="text-align: right;">Release 18.0</td> </tr> <tr> <td>CA IDMS Base Option</td> <td style="text-align: right;">Release 18.5</td> </tr> <tr> <td>CA IDMS Base Option</td> <td style="text-align: right;">Release 19.0</td> </tr> </table> <p>Related Problem:</p> <p>IDMS 5347</p> <p>Copyright (C) 2017 CA. All rights reserved. R00662-AGJ185-SP1</p> <p>DESC(IDMSLOOK PROGRAM= DISPLAYING INVALID COMPONENT DATA). ++VER (Z038) FMID (CAGJI50) PRE (RO71145 RO87502) SUP (RO61384 RO65694 RO81915 RO86433 TR61384 TR65694 TR81915 TR86290 TR86433 TR95410)</p> | Module | Offset | Date | Time | FMID | RMID | IDDSMAIN | +0 | 161130 | 1012 | CAGJJ00 | RO93347 | ICMS..69 | +B512A | ..&... | -... | 97879.& | {o...}} | E DATE | +A58D8 | WA) #L | AD#D | TIME | A(LWA | CA IDMS Base Option | Release 18.0 | CA IDMS Base Option | Release 18.5 | CA IDMS Base Option | Release 19.0 |
| Module | Offset | Date | Time | FMID | RMID | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IDDSMAIN | +0 | 161130 | 1012 | CAGJJ00 | RO93347 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICMS..69 | +B512A | ..&... | -... | 97879.& | {o...}} | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E DATE | +A58D8 | WA) #L | AD#D | TIME | A(LWA | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA IDMS Base Option | Release 18.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA IDMS Base Option | Release 18.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CA IDMS Base Option | Release 19.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CA IDMS 18.5
CA RS 1705 - PTF RO95662 Details

| Service | Details |
|---------|--|
| RO95662 | <p>RO95662 M.C.S. ENTRIES = ++PTF (RO95662)</p> <p>NEW #MOPT PARM TO DISPLAY MACRO LIBRARY VERSION</p> <p>PROBLEM DESCRIPTION:</p> <p>Distributed #MOPT module identification block does not include a version level of the CA IDMS macro library used in assembly. A new parameter VERS= has been added to optionally include the macro library version used in assembly.</p> <p>Acceptable values for this parameter are YES and NO (default).</p> <p>SYMPTOMS:</p> <p>No information is produced by #MOPT to indicate version level.</p> <p>IMPACT:</p> <p>Difficult to determine the version level used in the assembly.</p> <p>CIRCUMVENTION:</p> <p>None</p> <p>PRODUCT(S) AFFECTED: CA IDMS Release 19.0</p> <p>CA IDMS Release 18.5</p> <p>Related Problem:</p> <p>IDMS 5348</p> <p>Copyright (C) 2017 CA. All rights reserved. R00664-AGJ185-SP1</p> <p>DESC(NEW #MOPT PARM TO DISPLAY MACRO LIBRARY VERSION).</p> <p>++VER (Z038)</p> <p>FMID (CAGJI50)</p> <p>SUP (TR95662)</p> |

CA IDMS 18.5
CA RS 1705 Product/Component Listing

| Product Family | Product | Release |
|--|---------|----------|
| IDMS | CA IDMS | 18.05.00 |
| The CA RS 1705 Product/Component Count for this release is 1 | | |

CA IDMS 18.5
All CA RS Levels Service List

| CA RS Level | Service | FMID |
|-------------|---------|---------|
| CAR1705 | R095662 | CAGJI50 |
| | R095410 | CAGJI50 |
| | R095377 | CAGJI50 |
| | R095315 | CAGJI50 |
| | R095310 | CAGJI50 |
| | R095240 | CAGJI50 |
| | R095213 | CAGJI50 |
| | R095152 | CAGJI50 |
| | R095020 | CAGJI50 |
| | R091258 | CAGJI50 |
| CAR1704 | R095056 | CAGJI50 |
| | R094979 | CAGJI50 |
| | R094693 | CAGJI50 |
| | R094635 | CAGJI50 |
| CAR1703 | R094542 | CAGJI50 |
| | R094475 | CAGJI50 |
| | R094433 | CAGJI50 |
| | R094239 | CAGJI50 |
| | R094195 | CAGJI50 |
| | R094065 | CAGJI50 |
| | R093924 | CAGJI50 |
| | R093798 | CAGJI50 |
| CAR1702 | R094165 | CAGJI50 |
| | R093923 | CAGJI51 |
| | R093883 | CAGJI50 |
| | R093847 | CAGJI50 |
| | R093799 | CAGJI50 |
| | R093740 | CAGJI50 |
| | R093451 | CAGJI50 |
| | R093390 | CAGJI51 |
| | R093348 | CAGJI50 |
| CAR1701 | R093499 | CAGJI50 |
| | R093423 | CAGJI50 |
| | R093401 | CAGJI50 |
| | R093356 | CAGJI50 |
| CAR1612 | R093232 | CAGJI50 |
| | R093100 | CAGJI50 |
| | R092928 | CAGJI50 |
| | R092909 | CAGJI50 |
| | R092784 | CAGJI50 |
| | R092670 | CAGJI50 |
| | R092574 | CAGJI50 |
| | R092453 | CAGJI50 |
| | R092200 | CAGJI50 |
| | R090716 | CAGJI50 |
| | R090584 | CAGJI50 |
| CAR1611 | R092669 | CAGJI50 |
| | R092546 | CAGJI50 |
| | R092370 | CAGJI50 |
| | R092175 | CAGJI50 |
| | R092174 | CAGJI50 |
| | R092136 | CAGJI50 |
| | R092090 | CAGJI50 |
| | R092070 | CAGJI50 |
| | R091905 | CAGJI50 |

CA IDMS 18.5
All CA RS Levels Service List

| CA RS Level | Service | FMID |
|-------------|---------|---------|
| | RO91860 | CAGJI50 |
| | RO91453 | CAGJI50 |
| | RO91329 | CAGJI50 |
| | RO91257 | CAGJI50 |
| | RO90658 | CAGJI50 |
| CAR1610 | RO91871 | CAGJI50 |
| | RO91821 | CAGJI50 |
| CAR1609 | RO91327 | CAGJI50 |
| | RO91277 | CAGJI50 |
| | RO91252 | CAGJI50 |
| | RO91245 | CAGJI50 |
| | RO91090 | CAGJI50 |
| | RO91054 | CAGJI50 |
| | RO90862 | CAGJI50 |
| CAR1608 | RO90929 | CAGJI50 |
| CAR1607 | RO90674 | CAGJI50 |
| | RO90597 | CAGJI50 |
| | RO90418 | CAGJI50 |
| | RO90316 | CAGJI50 |
| | RO89943 | CAGJI50 |
| | RO89429 | CAGJI51 |
| | RO89169 | CAGJI50 |
| | RO87502 | CAGJI50 |
| | RO73457 | CAGJI50 |
| CAR1606 | RO89964 | CAGJI50 |
| | RO89706 | CAGJI50 |
| | RO89690 | CAGJI50 |
| | RO89482 | CAGJI50 |
| | RO88667 | CAGJI50 |
| CAR1605 | RO89327 | CAGJI50 |
| | RO89138 | CAGJI50 |
| | RO88341 | CAGJI50 |
| | RO87093 | CAGJI50 |
| CAR1604 | RO89133 | CAGJI50 |
| | RO88805 | CAGJI50 |
| | RO88713 | CAGJI50 |
| | RO88604 | CAGJI50 |
| | RO88595 | CAGJI51 |
| | RO88367 | CAGJI50 |
| | RO88079 | CAGJI50 |
| | RO87712 | CAGJI50 |
| | RO87540 | CAGJI51 |
| CAR1603 | RO88439 | CAGJI50 |
| | RO88116 | CAGJI50 |
| | RO87756 | CAGJI50 |
| | RO87724 | CAGJI50 |
| | RO87700 | CAGJI50 |
| | RO87687 | CAGJI50 |
| | RO81070 | CAGJI50 |
| CAR1602 | RO87581 | CAGJI50 |
| | RO87345 | CAGJI50 |
| | RO87261 | CAGJI50 |
| | RO87001 | CAGJI50 |
| | RO86613 | CAGJI50 |
| | RO85966 | CAGJI50 |

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All CA RS Levels Service List

| CA RS Level | Service | FMID |
|-------------|---------|---------|
| CAR1601 | R086973 | CAGJI51 |
| | R086578 | CAGJI50 |
| | R086486 | CAGJI50 |
| | R086296 | CAGJI50 |
| | R084933 | CAGJI50 |
| CAR1512 | R086433 | CAGJI50 |
| | R086301 | CAGJI50 |
| | R085862 | CAGJI51 |
| | R085602 | CAGJI50 |
| CAR1511 | R085797 | CAGJI50 |
| | R085198 | CAGJI50 |
| | R084789 | CAGJI50 |
| | R084190 | CAGJI50 |
| | R084166 | CAGJI50 |
| | R083727 | CAGJI50 |
| | R083472 | CAGJI50 |
| | R083422 | CAGJI51 |
| CAR1510 | R084752 | CAGJI50 |
| | R084694 | CAGJI50 |
| | R084551 | CAGJI50 |
| | R084379 | CAGJI50 |
| | R084360 | CAGJI50 |
| | R084342 | CAGJI50 |
| | R084317 | CAGJI50 |
| | R084298 | CAGJI50 |
| | R084181 | CAGJI50 |
| | R084009 | CAGJI50 |
| | R083828 | CAGJI50 |
| | R083744 | CAGJI50 |
| | R083500 | CAGJI50 |
| | R083107 | CAGJI50 |
| | R082391 | CAGJI51 |
| R082390 | CAGJI50 | |
| CAR1509 | R084113 | CAGJI50 |
| | R083845 | CAGJI50 |
| | R083719 | CAGJI50 |
| | R083716 | CAGJI50 |
| | R083677 | CAGJI50 |
| | R083666 | CAGJI50 |
| | R083574 | CAGJI50 |
| | R083553 | CAGJI50 |
| | R083439 | CAGJI50 |
| | R083386 | CAGJI50 |
| | R083078 | CAGJI50 |
| | R082958 | CAGJI50 |
| | R082934 | CAGJI50 |
| | R082875 | CAGJI50 |
| | R082643 | CAGJI50 |
| | R082616 | CAGJI50 |
| | R081654 | CAGJI50 |
| | CAR1508 | R083244 |
| R083203 | | CAGJI50 |
| R083094 | | CAGJI50 |
| R083064 | | CAGJI50 |
| R082684 | | CAGJI50 |

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| CA RS Level | Service | FMID |
|-------------|---------|---------|
| | R082448 | CAGJI50 |
| | R081723 | CAGJI50 |
| CAR1507 | R082240 | CAGJI50 |
| | R082070 | CAGJI50 |
| | R081915 | CAGJI50 |
| | R081909 | CAGJI50 |
| | R081779 | CAGJI51 |
| | R081361 | CAGJI50 |
| | R081264 | CAGJI50 |
| | R080086 | CAGJI50 |
| | R073563 | CAGJI50 |
| CAR1506 | R081190 | CAGJI50 |
| | R081065 | CAGJI50 |
| | R080831 | CAGJI50 |
| | R080772 | CAGJI50 |
| | R080769 | CAGJI50 |
| | R080692 | CAGJI50 |
| | R080543 | CAGJI50 |
| | R080410 | CAGJI50 |
| | R080360 | CAGJI50 |
| | R080165 | CAGJI50 |
| | R079740 | CAGJI50 |
| | R079669 | CAGJI50 |
| CAR1505 | R080338 | CAGJI50 |
| | R080079 | CAGJI50 |
| | R080078 | CAGJI50 |
| | R080060 | CAGJI50 |
| | R080032 | CAGJI50 |
| | R079995 | CAGJI50 |
| | R079397 | CAGJI50 |
| | R077254 | CAGJI50 |
| CAR1504 | R079245 | CAGJI50 |
| | R079177 | CAGJI50 |
| | R079041 | CAGJI50 |
| | R079013 | CAGJI50 |
| | R078943 | CAGJI50 |
| | R078930 | CAGJI50 |
| | R078893 | CAGJI50 |
| | R078809 | CAGJI50 |
| | R078806 | CAGJI50 |
| | R078788 | CAGJI50 |
| | R078728 | CAGJI50 |
| | R078691 | CAGJI50 |
| | R078632 | CAGJI50 |
| | R078383 | CAGJI50 |
| | R076935 | CAGJI50 |
| CAR1503 | R078720 | CAGJI50 |
| | R078485 | CAGJI50 |
| | R078205 | CAGJI50 |
| | R078126 | CAGJI50 |
| | R078004 | CAGJI50 |
| | R078002 | CAGJI50 |
| | R077884 | CAGJI50 |
| | R077869 | CAGJI50 |
| | R077811 | CAGJI50 |

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| CA RS Level | Service | FMID |
|-------------|---------|---------|
| | RO77209 | CAGJI50 |
| | RO77050 | CAGJI50 |
| | RO76854 | CAGJI50 |
| CAR1502 | RO77789 | CAGJI50 |
| | RO77614 | CAGJI50 |
| | RO77608 | CAGJI50 |
| | RO77498 | CAGJI50 |
| | RO77308 | CAGJI50 |
| | RO77263 | CAGJI50 |
| | RO77262 | CAGJI50 |
| | RO77240 | CAGJI50 |
| | RO77235 | CAGJI50 |
| | RO77055 | CAGJI50 |
| | RO76941 | CAGJI50 |
| | RO76318 | CAGJI50 |
| | RO75615 | CAGJI50 |
| | RO75543 | CAGJI50 |
| | RO74928 | CAGJI50 |
| | RO74354 | CAGJI50 |
| | RO70628 | CAGJI50 |
| CAR1501 | RO76816 | CAGJI50 |
| | RO76501 | CAGJI50 |
| | RO76347 | CAGJI50 |
| | RO75974 | CAGJI50 |
| | RO75971 | CAGJI50 |
| | RO75521 | CAGJI50 |
| | RO74865 | CAGJI50 |
| | RO74663 | CAGJI50 |
| | RO74647 | CAGJI50 |
| | RO73561 | CAGJI50 |
| | RO72670 | CAGJI50 |
| CAR1412 | RO76051 | CAGJI50 |
| | RO75850 | CAGJI50 |
| | RO75794 | CAGJI50 |
| | RO75775 | CAGJI50 |
| | RO74877 | CAGJI50 |
| | RO74754 | CAGJI50 |
| | RO74474 | CAGJI50 |
| | RO73921 | CAGJI50 |
| | RO73527 | CAGJI51 |
| CAR1411 | RO75092 | CAGJI50 |
| | RO74943 | CAGJI50 |
| | RO74854 | CAGJI50 |
| | RO74827 | CAGJI50 |
| | RO74684 | CAGJI50 |
| | RO74586 | CAGJI50 |
| | RO74569 | CAGJI50 |
| | RO74237 | CAGJI50 |
| | RO74210 | CAGJI50 |
| | RO74131 | CAGJI50 |
| | RO74051 | CAGJI50 |
| | RO73975 | CAGJI50 |
| | RO73961 | CAGJI50 |
| | RO73946 | CAGJI50 |
| | RO73831 | CAGJI50 |

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All CA RS Levels Service List

| CA RS Level | Service | FMID |
|-------------|---------|---------|
| | RO73810 | CAGJI50 |
| | RO73630 | CAGJI50 |
| | RO73076 | CAGJI50 |
| | RO72592 | CAGJI50 |
| | RO72392 | CAGJI50 |
| CAR1410 | RO73447 | CAGJI50 |
| | RO73359 | CAGJI50 |
| | RO73338 | CAGJI50 |
| | RO73299 | CAGJI50 |
| | RO73242 | CAGJI50 |
| | RO73010 | CAGJI50 |
| | RO72736 | CAGJI50 |
| | RO72652 | CAGJI50 |
| | RO72650 | CAGJI50 |
| | RO72349 | CAGJI50 |
| | RO72145 | CAGJI50 |
| | RO71746 | CAGJI50 |
| | RO71526 | CAGJI50 |
| | RO70723 | CAGJI50 |
| | RO70507 | CAGJI50 |
| | RO70461 | CAGJI50 |
| CAR1409 | RO71898 | CAGJI50 |
| | RO71789 | CAGJI50 |
| | RO71064 | CAGJI50 |
| | RO70712 | CAGJI50 |
| CAR1408 | RO71843 | CAGJI50 |
| | RO71626 | CAGJI50 |
| | RO71590 | CAGJI50 |
| | RO71558 | CAGJI50 |
| | RO71202 | CAGJI50 |
| | RO71183 | CAGJI50 |
| | RO71147 | CAGJI55 |
| | RO71146 | CAGJI51 |
| | RO71145 | CAGJI50 |
| | RO71012 | CAGJI50 |
| | RO70788 | CAGJI50 |
| | RO70476 | CAGJI50 |
| | RO70400 | CAGJI50 |
| | RO70179 | CAGJI50 |
| | RO70141 | CAGJI50 |
| CAR1406 | RO69889 | CAGJI50 |
| | RO69861 | CAGJI50 |
| | RO69801 | CAGJI50 |
| | RO69798 | CAGJI50 |
| | RO69791 | CAGJI50 |
| | RO69778 | CAGJI50 |
| | RO69775 | CAGJI50 |
| | RO69750 | CAGJI50 |
| | RO69698 | CAGJI50 |
| | RO69691 | CAGJI50 |
| | RO69661 | CAGJI50 |
| | RO69659 | CAGJI50 |
| | RO69290 | CAGJI50 |
| | RO69145 | CAGJI50 |
| | RO69042 | CAGJI50 |

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| CA RS Level | Service | FMID |
|-------------|---------|---------|
| | RO69000 | CAGJI50 |
| | RO68821 | CAGJI50 |
| | RO68793 | CAGJI50 |
| | RO68756 | CAGJI50 |
| | RO67058 | CAGJI50 |
| | RO66749 | CAGJI50 |
| CAR1405 | RO69186 | CAGJI50 |
| | RO69112 | CAGJI50 |
| | RO69066 | CAGJI50 |
| | RO69040 | CAGJI50 |
| | RO68988 | CAGJI50 |
| | RO68913 | CAGJI50 |
| | RO68886 | CAGJI50 |
| | RO68755 | CAGJI50 |
| | RO68724 | CAGJI50 |
| | RO68715 | CAGJI50 |
| | RO68501 | CAGJI50 |
| | RO68190 | CAGJI50 |
| | RO68187 | CAGJI50 |
| | RO67983 | CAGJI50 |
| | RO67946 | CAGJI50 |
| | RO67793 | CAGJI50 |
| | RO67787 | CAGJI50 |
| | RO67699 | CAGJI50 |
| | RO67685 | CAGJI50 |
| | RO67602 | CAGJI50 |
| | RO67522 | CAGJI50 |
| | RO67451 | CAGJI50 |
| | RO67394 | CAGJI50 |
| | RO67060 | CAGJI50 |
| | RO66986 | CAGJI50 |
| | RO66206 | CAGJI50 |
| CAR1404 | RO67062 | CAGJI50 |
| | RO66923 | CAGJI50 |
| | RO66868 | CAGJI50 |
| | RO66751 | CAGJI50 |
| | RO66675 | CAGJI50 |
| | RO66647 | CAGJI50 |
| | RO66643 | CAGJI50 |
| | RO66624 | CAGJI50 |
| | RO66573 | CAGJI50 |
| | RO66488 | CAGJI50 |
| | RO66435 | CAGJI50 |
| | RO66405 | CAGJI50 |
| | RO66250 | CAGJI50 |
| | RO66161 | CAGJI50 |
| | RO65995 | CAGJI50 |
| | RO65857 | CAGJI50 |
| | RO61681 | CAGJI50 |
| CAR1403 | RO66820 | CAGJI50 |
| | RO66079 | CAGJI50 |
| | RO65749 | CAGJI50 |
| | RO65703 | CAGJI50 |
| | RO65694 | CAGJI50 |
| | RO65675 | CAGJI50 |

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| CA RS Level | Service | FMID |
|-------------|---------|---------|
| | RO65661 | CAGJI50 |
| | RO65395 | CAGJI50 |
| | RO65391 | CAGJI50 |
| | RO65370 | CAGJI50 |
| | RO65335 | CAGJI50 |
| | RO65261 | CAGJI50 |
| | RO65212 | CAGJI50 |
| | RO65078 | CAGJI50 |
| | RO64930 | CAGJI50 |
| | RO64833 | CAGJI50 |
| | RO64631 | CAGJI50 |
| | RO64548 | CAGJI50 |
| | RO64504 | CAGJI50 |
| | RO64250 | CAGJI50 |
| | RO64127 | CAGJI50 |
| | RO63946 | CAGJI50 |
| | RO63913 | CAGJI50 |
| | RO63817 | CAGJI50 |
| | RO63736 | CAGJI50 |
| | RO63312 | CAGJI50 |
| CAR1402 | RO66439 | CAGJI50 |
| | RO65899 | CAGJI50 |
| | RO65801 | CAGJI50 |
| | RO65562 | CAGJI50 |
| | RO63133 | CAGJI50 |
| CAR1312 | RO62729 | CAGJI50 |
| | RO62475 | CAGJI51 |
| | RO62469 | CAGJI50 |
| | RO62402 | CAGJI50 |
| | RO62287 | CAGJI50 |
| | RO62152 | CAGJI50 |
| | RO62082 | CAGJI50 |
| | RO61933 | CAGJI50 |
| | RO61887 | CAGJI50 |
| | RO61481 | CAGJI50 |
| | RO61472 | CAGJI50 |
| | RO61384 | CAGJI50 |
| | RO61262 | CAGJI50 |
| | RO61091 | CAGJI50 |
| | RO60928 | CAGJI50 |
| | RO60848 | CAGJI50 |
| | RO60740 | CAGJI50 |
| | RO60692 | CAGJI50 |
| | RO60310 | CAGJI50 |
| | RO60263 | CAGJI50 |
| | RO60143 | CAGJI51 |
| | RO60142 | CAGJI50 |
| | RO60139 | CAGJI50 |
| | RO60131 | CAGJI50 |
| | RO60098 | CAGJI50 |
| | RO60033 | CAGJI50 |
| | RO59972 | CAGJI50 |
| | RO59834 | CAGJI50 |
| | RO59824 | CAGJI50 |
| | RO59739 | CAGJI51 |

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| CA RS Level | Service | FMID |
|-------------|---------|---------|
| | R059738 | CAGJI50 |
| | R059732 | CAGJI50 |
| | R059656 | CAGJI50 |
| | R059591 | CAGJI50 |
| | R059539 | CAGJI50 |
| | R059398 | CAGJI50 |
| | R059387 | CAGJI50 |
| CAR1310 | R062132 | CAGJI50 |
| | R060751 | CAGJI50 |
| | R060748 | CAGJI50 |
| CAR1309 | R060833 | CAGJI50 |
| | R059870 | CAGJI50 |
| | R059841 | CAGJI50 |
| | R059568 | CAGJI50 |
| | R059460 | CAGJI50 |
| | R059386 | CAGJI50 |
| | R059339 | CAGJI50 |