



## Service Information System

Previous Screen

Welcome: lanets

Product: NO EQUIPMENT SELECTED  
Model: NO EQUIPMENT SELECTED  
Configuration: NO EQUIPMENT SELECTED

### Service Letter

#### PRODUCT SUPPORT PROGRAM FOR UPDATING PRODUCT LINK PL121 SATELLITE RADIO SOFTWARE ON CERTAIN CATERPILLAR PRODUCTS

Media Number -TEBE8965-00

Publication Date -2019/03/24

Date Updated -2019/03/24

Caterpillar: Confidential Yellow

TEBE8965-00



## SERVICE LETTER

24Mar2019

U-172  
A-146  
D-149  
O-154

*Before/After*

PRODUCT SUPPORT PROGRAM FOR UPDATING PRODUCT  
LINK PL121 SATELLITE RADIO SOFTWARE ON CERTAIN  
CATERPILLAR PRODUCTS

7606 7620

PS46191

NOTE:

Caterpillar's obligations under this Service Letter are subject to, and shall not apply in contravention of, the laws, rules, regulations, directives, ordinances, orders, or statutes of the lanets  
Caterpillar: Confidential Yellow

United States, or of any other applicable jurisdiction, without recourse or liability with respect to Caterpillar.

**NOTE:**

This Program must be administered either before or after failure. In either case the decision whether to apply the Program is made by the dealer. When reporting the repair, use "PS46191" as the Part Number and "7755" as the Group Number. If administered before failure, use "56" as the Warranty Claim Description Code and "T" as the SIMS Description code. If administered after failure, use "96" as the Warranty Claim Description Code, and "Z" as the SIMS Description Code.

**NOTE:**

The information supplied in this service letter may not be valid after the termination date of this program. Do not perform the work outlined in this Service Letter after the termination date without first contacting your Caterpillar product analyst.

## TERMINATION DATE

31Dec2019

## PROBLEM

PL121/321s will stop sending data after April 6th, 2019. Date codes will appear as if coming from the past so the customer interface (UI) will not recognize those back dated messages and no data will appear in the UI.

## AFFECTED PRODUCT

Model	Identification Number
*****Group	1*****
3508	23Z01294
3508B	6PN00654
3512	24Z00913, 1430, 5492, 5801, 7062 49Y00425
3512B	CMC01711 YAM00119, 145

Caterpillar: Confidential lanets  
Yellow

	YAY00840, 847, 853, 856, 858, 860, 863-864, 879, 882, 892, 903, 1030-1031, 1033, 1107, 1121, 1199, 1207, 1215, 1246, 1248-1249, 1252 YBB00213
3512C	LLA02172 SBG01144, 1149, 1178
3516B	YAT00616
CG137-12	WRX00110, 119, 122
G3304	N4F03755
G3306B	R6S00216, 219, 246
G3406C	R7E00187-00193, 214
PM3512B	BNR00296, 300
PM3516	NBR00436, 446, 496-498, 500-501, 555-558, 560, 562-564, 746, 763, 765-769
*****Group 2*****	
3508B	S2D00207
3512B	CMC00518 S2K00206 YAM00837
3512C	LLA03658 RMS00202, 205
3516	9WF00080, 89-90, 112
3516B	S2S00472 S2T00103 YAT00731
3516C	TTH00379 TTJ00467
G3612	BKE00269
PM3516	NBR00265
*****Group 3*****	
3126B	7AS46912 8YL66799
3306	76R04713
C13	KCB37591, 75949
*****Group 4*****	

C12	2KS30227
C15	NXS34094
*****Group 5*****	
3306	64Z28614
3306B	85Z13398 8JJ00096 B8D00129, 205, 475, 1255, 1747, 1781
3406C	1LS01261 6TB28824 9ES06890 C2G03143, 4420, 5737 C2Y00800, 1921
3408	9ER00869
3412	2WJ01219, 1549, 2562 38S11180
3412C	4BZ09962 BCW00962 DJN01060, 1317-1318, 1359, 2022-2026 RTY04294, 4296, 4298, 4306-4307, 4312, 4319, 4341, 4352, 4801, 4862, 4884 TFT00328
3456	3LW00290
C13	LGK19745 NH300596, 632, 636, 638-639, 641, 660, 663, 679, 682, 687 RRA04117, 5324, 5570, 5599, 5602, 5643 X3M00153, 155, 199, 301, 313, 321, 323, 329, 331
C15	C5E02720 C5H00963, 1688, 1937, 1939, 1946, 1954, 2006, 2021, 2027, 2142 C5L02250, 2469

	JRE04091, 5542, 5661, 5750, 6755, 6942, 7463, 9046, 9550, 9552  LNA01194, 1362, 2025, 2073, 2076, 2134, 2149, 2152, 2168, 2170, 2196-2197, 2202, 2230  LXJ00872, 1464  MCW04542, 4896-4897, 4905, 5099, 11681  PET00116  X4R00328, 457, 580, 582
C16	BFM00148, 435, 469
C18	G4C01884, 4064, 4085-4086  M1Z01008  N1D00463-00465, 468, 933  PEJ00165  STD00186  WJH08740, 8854, 9417
C27	DWB01147, 1321, 1555, 1923-1924, 1986, 2264, 2285, 2585  GDS00134
C32	AL600149  JAZ02780, 2784, 2786  JSJ00291, 576, 1462, 1485, 1487, 1489, 1497, 1500, 1502-1503, 1505, 1636  SXC03019
C7	JRA00811  JTF05048, 17853
C9	CLJ07477  JSC05007, 5036, 5108, 7899, 7910, 7960, 8008, 8014, 8020, 8033-8035, 8039, 8055, 12560-12561, 13024, 13722, 18618, 19367, 19797, 19931  NBP00858  REH00561, 614, 731, 1211, 1224, 1245, 9263, 9859, 9873, 9887

	X3R00298, 312, 828, 857, 1262, 1268, 1382
C9.3	CS900684
PM3456	B3G00203
PMC27	N1B00197, 325
*****Group 6*****	
3126B	DCS00726
3412C	DJN01445
3412E	BDT00212, 817, 1135
C10	BCX00367
C11	GLS00631, 3310, 3978, 4112 HRA01618, 1784
C12	BDL02355, 3027, 3056, 3186
C13	KWJ00156, 1247, 1316 LGK06456, 7303, 8790, 10737, 12325, 12399, 12401, 12782, 13563, 14393, 14717, 14966, 15505, 16188, 18119, 18621, 19228, 19589, 21231 RRA03242, 4075, 6088, 7167, 7538, 7644, 9321, 10017
C15	BEM02420, 3305 C5H00462, 1239, 1492 JAS00424, 799, 1242 JRE00774, 1317, 1882, 2916, 4246, 4347, 5184, 7759, 9250, 9861, 11734, 11739, 11823, 12227, 13561, 13738, 13928, 13999, 14013, 14016, 14257, 14305 MCW00612, 1297, 1351, 2234, 2509-2510, 2573, 2581, 2693, 2777, 2819-2820 X4R00325, 327, 403, 407, 443, 519, 595, 628, 630, 665 X5M00309
C16	BFM00437, 1868, 2295
C18	EJG02371 EKW01177 N1D00264, 585 STM01672 WJH03853, 5531, 7322-7323, 7325, 8475, 8605, 8864

	WRH02383, 2490, 2568, 2937, 3561, 3565, 3585, 4189, 4431, 10625
C27	DWB00568, 2053, 2990, 3115  TWM00400, 485, 1059, 1554, 1774, 1806, 2213, 2407, 2419, 2488, 2534, 2920, 3295, 3807, 4318, 4457, 4860, 4866
C32	AL600150, 155-156, 223  JAZ00441, 775, 778, 782, 786  JSJ01119  SXC05042  TLD00201, 950, 1217, 1576
C7	JTF01682, 2488, 4686, 9249, 11612, 11705
C9	CLJ02456, 4206, 4814, 10717, 10875, 10889  JSC13025, 15650, 17727, 18582, 19835, 19932, 19962, 22620, 24843, 25070  MBD08658, 10205-10206, 10552  REH00130, 1079, 1101, 1643, 1910, 4599, 5005, 5324, 7292, 7630, 7696  X3R00847, 851, 921, 1021, 1153, 1373, 1379, 1383  X9X00767
C9.3	C9N01042, 1331
PMC27	N1B00149, 355, 368-369
PMC32	MED00134
XQ425	X8H00109
*****Group 7*****	
CH65C/D	2ZJ02114
CH75D	5AR00456
CH75E	6HS00494
CH85D	4GR00310
CIPI OEM	OEM01724
*****Group 8*****	
TH55 OEM	KCH22038-22039
*****Group 9*****	
CT660	TEP01721

	TGA00315
	TRK00892
*****Group 10*****	
1004TG2	RPF09263
1006TAG	B6T01312
	RTG04872
1006TAG/2	LEL04176, 4197
1006TAG/TAG1	LER00383, 532, 593, 797-798, 991
1006TG2A	NPS01437
1103A	LEZ00395, 752, 768, 6068
1103A-33TG1/2	DDY00585
	MMT02323
1104A	LEB00353, 3062, 3083
1104A-44G/TG	LES01889
1104A-44TG1	B4D01801, 3150, 3973
1104A-44TG2	LEJ00244, 635, 1047-1048, 1050, 1076
1104C	LEN04157, 4182
1104C-44TAG1/2	MMY01363
1104C-44TAG2	SJT00108
1104C-44TG2	E4D00284
1106C	LEY01238
1106C-E66TAG4	LNY00134
	MM800163
1306	LEA00197
1306E	MPN07347, 8400, 8454, 9496, 9515-9516, 9945
3054C	33417891, 17904, 22038, 23268
403D-11	MMK00108
404D	D4J06245
404D-22G	MMJ01978
C1.1	G8N13268
C1.5	GBD00247
C2.2	G7L14578-14579, 14581-14583, 14585-14588, 14590, 14592-14593, 14595-14596
	GBE00889, 953, 1016, 1027-1028, 1032, 1056, 1763
C3.3	GT200430
	N3C00576
C4.4	43300277, 279, 281-283, 286

	44402202, 2379, 4365, 4684, 4691, 4699, 4704, 5319, 11208, 16109, 20531, 22893, 22900, 23505, 23507, 23677, 28326, 28380, 28382-28385, 28400, 28407, 28409  44604517  D4B01147, 1781, 1989, 2710  D4D00851, 2062, 2065, 2099, 2208  GLE01040  N4R00334
C6.6	MRW00142, 179, 246, 248  N6D01526, 1750, 1983
C6.6 TIER 3	66625398
C7.1	MRP00262, 273, 277-278, 862-863, 868
*****Group 11*****	
3054C	33424239
C4.4	44409867, 11402, 13721, 15598-15599, 15700, 18289, 23570, 25801, 26663  D4D00803, 822, 2209, 2640, 2731, 2748, 2899  W2300528-00529, 5307
C6.6	MRW00163, 169, 301, 305
C6.6 TIER 3	66600813, 10789, 10983, 11058, 11124, 11133, 11690, 15632, 15926, 19186, 20262, 28139
C7.1	G9R02507, 3862  MRP00136, 151, 169, 202, 210
*****Group 12*****	
216 B 3	DSN00248, 253-254, 307-308, 312, 379, 434, 860, 1136, 1393  JXM00361, 611, 865, 968, 979, 1334, 1397, 1540, 1987, 1989, 2097, 2502, 2524, 2534, 2536, 2572, 2911, 3276- 3277, 3392, 3394, 3398, 3908
216B	RLL07025, 9119, 10092, 10117, 10119, 10364
226	5FZ09110, 9965
226 B 3	MWD00378, 601, 603, 689, 695-697, 743-744, 808, 817, 950, 1143, 1150, 1179, 1189, 1193, 1200, 1256, 1271, 1314, 1340, 1440, 1461, 1479, 1510, 1513, 1592, 1596, 1623, 1728, 1742, 1767, 1771, 2071, 2192, 2207, 2222, 2228, 2230, 2247, 2385, 2586, 2588, 2834, 2837, 2843, 2858, 2863, 3011, 3061, 3082, 3135, 3137, 3166, 3174,

	3182, 3408, 3556, 3640, 3650, 3880, 3904, 3998, 4171, 4184, 4276, 4330, 4359, 4842, 4866-4867, 4950, 5030, 5060, 5074, 5076-5077, 5080, 5174, 5303-5305, 5632, 5635, 5714-5715, 5990, 5995, 6038, 6095, 6125, 6144, 6275, 6349, 6449, 6483, 6520, 6566, 6687-6688, 6729, 7052, 7203, 7205, 7300, 7333, 7337, 7341, 7357, 7367, 7463, 7504, 7523, 7840  SNA00125-00127, 138, 142, 153, 196-197, 199, 203, 206, 208, 278, 280, 283, 303, 420, 440, 447, 606-607, 629, 634, 637, 653, 656, 841, 850-851, 1027-1028, 1322, 1329, 1433, 1490, 1610, 1713, 1741, 1759, 1767, 1783, 1785, 1789, 1793, 1795, 1883, 1886, 1888, 1903, 1917
226B	MJH00400, 2897, 2995, 4988, 6738, 8318, 9487, 10944, 11481, 12177, 12210, 13950, 14592, 15118
226B 3	DXZ00127-00128, 130, 174, 195, 688-691, 715-721
226D	HRD00361, 1341
232B	SCH03273, 3343, 3606-3607, 3751, 3955, 3957, 3962-3963, 3988
232D	KXC00251-00253
236	4YZ04951, 6616-6617
236B	HEN01181, 4646, 4668, 5792, 7435, 8609, 8695, 8725, 8744, 8882, 9086, 9465-9466, 9469, 9553, 9562, 9607, 9644, 9661, 9675, 9765
236B 3	A9H00316, 318, 321, 337, 339, 460, 474, 510, 535, 561, 594, 647, 730, 786, 790, 839, 849, 977, 1167, 1278, 1281, 1298-1299, 1302, 1307, 1370-1371, 1376, 1602, 1660, 1665-1666, 1785, 1799-1800, 1830, 1889, 1935, 1964, 2076, 2086, 2156, 2250, 2315, 2325, 2329, 2334, 2363, 2396, 2449, 2521, 2543, 2580, 2648, 2728-2729, 2829, 2834, 2846, 2869, 2871, 2876, 2921, 2938, 2952, 2968, 2974, 3030, 3063, 3068, 3070, 3078, 3084, 3183, 3191, 3261, 3307, 3344, 3416-3417, 3429, 3451, 3480, 3518, 3590, 3602, 3606, 3610, 3747, 3750, 3968, 4001, 4079, 4081-4082, 4191, 4206
236D	BGZ00804, 1241  MPW00319, 330, 375, 378, 426-428, 431, 439, 441, 559, 589-590, 596, 604-609, 715-716, 730, 816, 870-871, 924, 930, 933, 960, 985-986, 988-989, 996-997, 1013, 1092, 1095, 1097-1098, 1100, 1102-1103, 1180-1181, 1183-1184, 1222, 1383, 1404, 1451, 1454, 1457, 1463, 1479, 1550
239D	BL900388, 496  CD400156, 195
242B	BXM00330, 3191, 4810, 5179, 5322, 5368
242B 3	SRS00377, 500, 646-647, 737, 982, 990, 1009, 1011, 1059, 1144, 1239, 1339, 1583, 1630, 1868, 1892, 1921

	2006, 2061, 2174, 2410, 2474, 2528, 2593-2594, 2684, 2707, 2710, 2716, 2742, 2744, 2753, 2890, 2977, 2984, 3008-3009, 3124
242D	A9W00110, 136-137, 182, 190, 192, 223, 389, 421, 449, 470, 550  DML00321  DZT01094, 1317, 1437, 1441, 1469, 1488
246	5SZ01084-01085, 8148, 8193
246B	PAT01008, 1115, 1232, 1378, 1550, 2631, 2826, 2985, 3123, 3246, 3503, 3505, 4508, 4664, 5487, 5515
246C	JAY00692, 840, 939, 1187, 1247, 1563, 2304, 2491, 2558, 2630, 3456, 4058, 4152, 4206, 4215, 4299, 4311, 4337, 4359, 4543, 4951, 4988, 5080, 5160, 5304, 5321, 5402, 5524, 5656, 5662, 5665, 5775, 5844-5845, 5859, 5865, 5870, 5924, 5976, 5987, 6098, 6102, 6144, 6168, 6173, 6261-6262, 6312, 6446, 6579, 6694, 6697, 6702, 6709-6711, 6912, 7077, 7107, 7119, 7122, 7161-7163, 7211, 7215, 7224, 7249, 7271, 7363, 7420, 7625, 7639, 7744, 7764, 7787, 7886, 7921, 7925-7926, 7992, 8019, 8036, 8053, 8063, 8206, 8209, 8212, 8219, 8225, 8261, 8283, 8403, 8501, 8571, 8574, 8576, 8635, 8654, 8656, 8722, 8778, 8788-8790, 8829, 8907, 8950, 9149, 9178-9179
246D	BYF00441, 449-450, 912, 998, 1001, 1329, 1559, 1571, 1575, 1623, 1688, 1691, 1697, 1699, 1919  HMR00257, 326-327, 329-330, 332-334, 336-338, 344-347, 353, 361-362, 376-377, 472, 526, 762, 776, 779, 872, 893, 948, 1109, 1296, 1322-1325, 1329, 1384-1385, 1443, 1445, 1562, 1691, 1781, 1788, 1998, 2482  JSL00154, 166, 331, 459
247	CML00616
247B	MTL05765, 6683, 6797-6798, 6801, 6813
247B 3	KB300137, 144, 148, 189, 303-306, 309, 314-315  TSL00429, 435, 519, 605, 686, 765, 860, 862, 869, 907, 945, 969, 1019, 1144, 1154-1155, 1167, 1203-1204, 1206, 1259, 1398-1400, 1402-1403, 1446, 1481, 1490, 1510, 1538, 1563, 1836, 2385, 2427, 2512, 2526, 2542, 2588, 2652, 2719, 2784, 2792, 2795, 2797, 2799-2800, 2809, 2816, 2919
248	6LZ00725, 1153
248B	SCL00840, 1215, 1716-1717, 1849, 2009
252B	SCP01353, 1483, 3150, 3537, 3814, 5486, 5568, 5647
252B 3	TNK00634, 778, 986, 1142, 1290, 1306, 1375, 1476, 1898, 2048, 2103, 2113, 2133-2134, 2233, 2236, 2290

256C	DWS00400, 672, 1233, 1566, 1737, 1755, 1805, 1839, 1974, 2205
257	CMM01710-01711
257B	SLK04311, 6152, 6686, 6783, 7805, 7898, 9028, 9500, 9805, 9807
257B 3	B7H00525, 1116, 1222, 1618, 1876, 1951, 2145, 2199, 2201
257D	EZW00544, 635, 639, 1081
259B 3	YYZ00420, 768, 774, 897, 1088, 1230, 1253, 1283, 1312, 1368, 1412, 1419, 1542, 1557, 2035, 2051, 2123, 2143, 2222, 2230, 2232, 2386, 2489, 2622-2623, 2722, 2829-2830, 2882, 2952, 2983, 2996, 3059, 3101, 3334, 3383, 3395, 3430-3431, 3519, 3627, 3681, 3745, 3748, 3811, 3833, 3934, 4012, 4082, 4084, 4125-4126, 4329, 4466, 4539, 4542, 4575, 4583, 4588-4589, 4662, 4674, 4833, 4854, 4857, 4889, 4904, 5041, 5046, 5051, 5057, 5090, 5094, 5125, 5290, 5312, 5316, 5465, 5468, 5486, 5498, 5667-5668, 5703, 5710
259D	FTK00284, 290-291, 454, 613-614, 616, 628, 851, 872  FTL00562, 1796, 1964, 2366, 3101, 3122, 3131, 3300, 3307, 3558, 3722, 3898, 4127, 4136, 4194, 4223, 4954, 5408, 5413, 6741
262B	PDT03109, 3813, 3984, 4621, 4811, 4827
262C	MST00504, 1092, 1172, 1290, 2042, 2141, 2976, 2985, 3212, 3288, 3335, 3690, 3715, 3763-3764, 4011-4012, 4266, 4394, 4396, 4508, 4570, 4656, 4661, 4663, 4667, 4673, 4724, 4816, 4829, 4965, 4982, 5097-5098, 5115, 5129, 5168, 5241, 5244, 5601, 5603-5604, 5622, 5670, 5735, 5739
262C 2	TMW00269, 409, 478, 481, 540, 575, 618, 798, 834, 921, 958, 1007, 1071, 1172, 1480, 1485-1487, 1562, 1571, 1603, 1666, 1675, 1677, 1762, 1776, 1884
262D	DTB01362, 1669, 1706, 1713, 1720, 1802, 1902, 2122, 2234, 2814, 2850, 2853, 2862, 2874, 2881, 3050, 6010, 6013  KTS00307  LST00329
268B	LBA02027, 2042
272C	RED02395, 2418, 2436, 2814, 2860, 2867
272D	B5W00333, 714  GSL00220, 252, 385, 472-473
272D XHP	SHY00223, 409
277	CNC02027, 2049, 2356

277B	MDH00909, 2897, 3562, 4513
277C	JWF01702, 2195-2196, 2247, 2342, 2427-2428, 2436
277C 2	MET00290, 292, 339
277D	FMT00443 NTL00266
279C	MBT00399, 685, 837, 1160, 1528, 1667, 1732, 1814, 1913, 1963, 1997, 2024, 2032, 2097, 2361, 2734, 2797-2798, 2906, 2946, 2969, 3011, 3090-3091, 3109, 3157, 3500, 3502, 3506, 3508, 3518-3519, 3522, 3526-3528, 3542, 3544-3545, 3551-3553
279C 2	KWB00170, 372, 374, 379, 503, 534, 594, 597, 611, 614, 623, 715, 745, 1070, 1077, 1083, 1096, 1146, 1149, 1184, 1332, 1338, 1370, 1501
279D	GTL00286, 1617-1619, 1622-1623, 1632, 2104, 2528, 3802 RCX00279, 286, 288-289, 308, 310, 317, 334, 337-338, 441, 444-446, 457, 499, 549, 556
287B	ZSA03173
287C	MAS00259, 730, 1353, 2036
287D	TLK00230
289C	JMP00755, 1034, 1063, 1070, 1075, 1583, 1687, 1871, 2113, 2208, 2214, 2257, 2400, 2463, 2532, 2782, 2811, 3027, 3051, 3186, 3191, 3198, 3407, 3416, 3419, 3421
289C 2	RTD00325, 338, 341, 392, 403, 560-561, 672, 678, 680, 766, 863, 943, 1139, 1296, 1400, 1419, 1423-1424, 1427-1428, 1433, 1534, 1537, 1586, 1595, 1678, 1694, 1696, 1760, 1768, 1781, 1783
289D	A9Z00456, 458, 492 TAW00310, 1158, 1320, 1724, 1743, 1749, 1755, 1851, 2105, 2190, 2280, 2309, 2315, 2431, 2436, 2454, 2472, 3717, 3719, 3852
297C	GCP01668-01669, 1707, 1748, 1811
299C	JSP00425, 626, 1083, 1236, 1480, 1483, 1503, 1571, 1632, 1701, 1769, 1794, 1814, 1818, 1820-1821, 1825, 1896, 1965, 2064, 2097, 2174, 2177, 2230, 2234, 2241, 2249, 2501
299D	GTC00755, 760, 1059, 1065, 1109, 1131, 1209, 1292, 1295, 1299, 1302-1303, 1448, 1546, 1761, 1763, 1766, 1782, 1847, 1971 HCL00127, 274, 320, 337, 346, 351, 413, 417-418, 428, 433, 476-477, 712, 722, 764-765, 774, 778-780, 784, 787, 794, 829-830, 834, 846, 870, 1000, 1005, 1007
299D 2	FD200235, 402, 435-436, 441, 447, 570, 701, 1157
299D 2 XHP	DX201324

299D XHP	JST01033, 1246, 1446, 1453 NLC00278, 338, 474, 506, 625, 649, 751
300.9D	LJ200381, 493 LJM00333, 1206
301.4C	LJK00262, 301, 1110
301.5	3YW00928 RAA00514
301.6	BDH00551
301.6C	JBB02642, 2649
301.7D	LJH00885, 977, 1090, 1106, 1406-1407, 1409, 2600
301.7D CR	LJ801082 LJD00577, 1136, 1794, 1920
301.8C	JSB01441, 1556, 5340, 5721, 5723, 6498, 6659, 7477, 7591, 7609
302.4D	LJ600181, 189 LJN00572-00573, 582, 587
302.5C	GBB00444, 2155, 3648, 4755, 4764, 4774, 5397, 5462, 6020, 6260, 6272, 6297, 6332, 6485, 6551, 6563
302.7D	LJ700160, 272, 391, 595-596, 642, 954, 1187 LJL00156, 188-189, 518, 1244, 1945, 1949, 1973, 2007, 2055, 2058, 2070, 2375
303	DMA02960, 3063, 5332
303.5C CR	DMY00304, 582, 1453, 2031, 2192, 3168, 3204, 3320, 3335, 3667
303.5D CR	RHP00562, 824, 898, 900-901, 909, 1003, 1006-1007, 1009 -1010, 1035, 1042, 1118, 1131-1132, 1149, 1232, 1249, 1398, 1460, 1745-1747, 1960
303.5E 2	JWY00473, 769, 771, 984, 1568
303.5E 2 CR	BG800238, 249, 263, 267, 270, 297, 347, 400, 502, 509, 552, 559, 605, 644, 708
303.5E CR	JX200170 RKY00219, 288-291, 453, 459, 489, 513, 600-601, 605, 805, 812, 904, 924, 928, 934, 995, 1020, 1047, 1151, 1457-1460, 1583, 1601-1602, 1668, 1674, 1820, 1830, 1997, 2004, 2012, 2107, 2140, 2142, 2244-2246, 2251, 2257, 2310, 2312, 2337, 2342, 2347-2348, 2350, 2352- 2353, 2357, 2374-2375, 2379-2381, 2385, 2388-2389, 2396, 2402-2403, 2407-2408, 2479, 2489, 2492, 2495, 2498, 2501, 2503, 2523, 2528, 2533, 2536, 2612, 2635- 2636, 2639-2640, 2709, 2713, 2809, 2820-2821, 2859,

	2894, 2913-2914, 2957, 2962, 2977-2978, 3059, 3083, 3195, 3205, 3247, 3277, 3281, 3357, 3392, 3402-3403, 3513, 3535, 3601, 3608, 3631, 3737, 3758-3759, 3788, 3914, 3973, 3975, 4002, 4010, 4024, 4040, 4072, 4095, 4111, 4184, 4187, 4190, 4197, 4199, 4211, 4214, 4217, 4221, 4244, 4249, 4251, 4338, 4394, 4402, 4412, 4421, 4441, 4443, 4445, 4485, 4504, 4600, 4613, 4623, 4631, 4636, 4681, 4683-4686, 4690-4695, 4699, 4763-4771, 4836-4848, 4946, 4948, 6419
303C CR	BXT01981, 2482, 3158, 3681, 3874, 4196, 4436-4438, 4750-4755, 5201, 5246, 5277, 5298, 5320
303E CR	HHM00112-00113, 134, 290, 324, 385-386, 389, 436, 440, 455, 619, 1149, 1335, 1906, 2001
304	NAD02887, 2892
304C CR	FPK00450, 5481, 5693, 6181, 6526
304D CR	TYK00285, 293, 387, 780, 828, 838, 948, 957, 960, 1047, 1120, 1317, 1387, 1463, 1497
304E 2	ME400448, 715-717, 720-722, 727
304E 2 CR	CJ200351, 357, 365, 370, 389, 408
304E CR	TTN00265, 269, 313, 319, 330, 591, 648, 660, 680, 688, 696, 746, 779, 790, 839, 860, 865, 867, 933, 986, 1010, 1013, 1051, 1140, 1143, 1204, 1265, 1280, 1298, 1311, 1351-1352, 1374, 1478, 1482, 1515, 1731-1732, 1861-1862, 1864, 1901, 1963, 2037, 2041, 2078, 2098, 2132, 2152, 2177, 2221, 2227, 2277, 2334, 2347, 2417, 2504, 2523-2524, 2537, 2631, 2635-2636, 2682, 2690, 2716, 2720, 2738, 2740, 2760-2761, 2772, 2870, 2874, 2909, 2922-2923
305.5D	FLZ00287, 368, 395-396, 458, 465, 516, 676-677, 688, 987, 993, 1023, 1044, 1046, 1147, 1232, 1254, 1300, 1324, 1385, 1407, 1417-1418, 1426
305.5E 2	CR500311, 756
305.5E 2CR	EJX00171, 174, 191, 193, 282-283, 316, 411, 449, 570, 598, 601, 628, 633-634, 642, 659, 667, 778, 789-790, 858
305.5E CR	FKY00249, 263, 279, 286-287, 325, 401-402, 474, 646, 683, 687, 694, 740, 790, 808, 818, 823, 827, 968, 1050, 1304-1306, 1323, 1353, 1356-1357, 1360, 1363, 1459, 1461, 1522, 1524, 1642, 1647, 1650, 1656, 1675, 1686, 1716-1717, 1773, 1789-1790, 1800-1801, 1834-1835, 1909, 1912, 1919, 1925, 1927, 2291, 2312, 2339, 2372-2373, 2426-2427, 2431, 2473, 2483, 2486, 2489, 2555, 2612, 2632, 2671, 2756, 2787, 2852, 2865, 2877, 2880, 2886, 2910, 2957, 3008, 3010, 3015, 3023, 3027-3028, 3064
305C CR	HWJ00295, 635, 953, 1363, 1739, 2332, 2539, 2875, 3376, 3445, 3531-3532, 3690, 3693, 3921, 4045, 4133, 4285-4287, 4290, 4311-4312, 4362, 4469, 4598, 4608, 4621, 4695, 4776, 4778, 4780

305D	XER00292, 370, 530-531, 788, 806, 952, 957, 1002, 1082-1084, 1188, 1236, 1254, 1262, 1278, 1304-1305, 1327, 1329, 1465, 1467, 1580, 1731-1732, 1746, 1810, 1813, 1823-1825, 1874-1876, 1879, 1884, 1888, 1912, 1923, 1932
305E 2	H5M00620, 783, 850, 970, 1383, 1388, 1390, 1395-1396, 1399, 1402, 1404, 1415, 1782
305E 2 CR	DJX00159, 186, 336, 517, 552, 563, 568, 616, 618, 643-644, 727, 777, 933, 945, 1006, 1071, 1115, 1140, 1160, 1247, 1260, 1281, 1436
305E CR	XFA00414, 490, 575, 710, 835, 973, 1004, 1006, 1018, 1046, 1049, 1158, 1222, 1245, 1307, 1401, 1564, 1715, 1785-1786, 1790-1791, 1822, 1868, 1883, 1902-1903, 1907-1908, 1913, 2101, 2104, 2107, 2144-2145, 2227, 2246, 2280, 2331, 2334, 2348, 2350, 2358, 2361, 2383, 2431, 2433, 2469, 2480, 2485, 2515, 2557-2558, 2564-2565, 2570-2571, 2574-2575, 2584-2585, 2589, 2596-2597, 2604-2605, 2611, 2649-2650, 2718, 2726, 2775, 2780, 2785, 2790, 2806, 2862, 2867, 2877, 2887, 2899, 2963, 2970, 2977, 2979-2980, 3044-3046, 3055, 3205, 3293, 3305, 3358, 3692, 3754, 3779, 3863, 3906, 3920, 3926, 3929, 4063, 4069, 4072, 4074, 4105, 4161, 4170, 4181, 4188, 4201, 4213, 4238, 4249, 4262, 4265, 4268
306	SMD00477, 480, 488, 490, 495, 504, 506, 522, 536, 543, 557-558
307C	BAJ00725  BNE01288
307D	DSG00165, 1226, 1439, 1442, 3126, 3461
307E	HIY01656-01657, 1664-1665
308C CR	KCX00474, 922, 1953, 2360
308D CR	FYC00625, 786, 844-845, 920, 1023-1024, 1026, 1063, 1100, 1180, 1190, 1192, 1196, 1202, 1360, 1422, 1488, 1509, 1512, 1619, 1642, 1648, 1665, 1676, 1757, 1770, 2003, 2048-2049, 2062, 2066, 2095, 2123-2124, 2184-2185, 2199-2200, 2314, 2360, 2363, 2370, 2378, 2397, 2424, 2438-2439, 2452, 2463  GBT00362, 376, 680, 692, 716  HSA01702
308E 2CR	FJX00359, 439, 463, 516, 644, 673, 785, 798, 886, 892, 894, 901-902, 1025, 1031, 1097, 1186, 1206, 1212, 1279, 1284, 1355, 1563, 1579, 1649, 1680, 1766, 1776, 1782, 1792, 1836, 1838, 1973, 2006, 2037, 2145, 2560, 2802, 2894-2895, 2980, 3154, 4030, 4195, 6003  TMX00167, 170, 172-174, 210, 214, 263-264, 276-277,

	280, 346, 349-350, 358, 526, 531, 540, 543, 548, 558-559, 641, 645, 718, 727-728, 731-732, 740-741, 798, 805-806, 853, 862, 864, 870-871, 906, 1103, 1182, 1197, 1203, 1209, 1221, 1227, 1233
308E CR	GBJ00337, 423, 549, 628, 681, 689, 691, 698, 716, 726, 732, 849, 872, 952, 978, 984, 1030, 1134, 1160, 1184, 1198, 1219, 1276, 1278, 1369, 1424, 1445, 1459, 1491, 1599, 1613-1614, 1617-1618, 1620, 1623, 1727, 1946-1947, 1963
902	7ES01356
902B	W8C01423
903C	MW400222
904B	B4L00309, 1020
906	6ZS02029, 3016
906H	SDH00658, 1001, 1348, 1679, 2435, 2717, 2739, 2816, 2819, 2824, 3046, 3062
906H 2	JRF00228, 355, 365, 367, 496, 509, 837, 1032, 1216, 1231, 1286, 1321, 1678, 1683, 1749, 2104, 2106, 2435, 2438, 2442, 2474, 2764, 2972, 3012, 3134, 3140, 3206
907H	SJM00887
907H 2	JRS00222
908	8BS01096, 1524  TAR00148, 422, 557, 942
908H	LMD00340, 342, 791, 1021, 1702, 1990, 2135, 2261, 2264, 2329, 2384, 2403, 2407
908H 2	JRD00407, 495, 504, 847, 1504, 1610-1611, 2138, 2164, 2698, 2771, 2847
908M	H8801017
910E/F	1YK00123, 3004, 3391, 3506  2SS00203, 1122
910G II	B9X00394
910H	SAT01429
914G	9WM00172, 787, 1345, 1642  PDF01151, 1322, 1329, 1502, 1508, 1514, 1516, 1629, 1663, 1697, 1820
914G 2	KNP00358
914K	CD200308, 311, 432, 458, 534, 572, 590  L2400156
916	2XB01916
D3C III	4KS00705  9TS00312

D3G LGP	BYR00926 CFF00529-00530
D3G XL	JMH00990, 1284, 1919, 1993, 2382, 2596, 2708, 2750
D3K 2 LGP	KLL00188, 294, 687, 689
D3K 2 XL	KFF00179, 189, 222, 400, 446, 496, 501, 503
D3K LGP	LLL00851, 901, 931, 993, 1110, 1126, 1195
D3K XL	FFF00100, 522, 817
D4C III	6YL01482, 1694 7SL00722 8CS00706, 1190
D4G XL	HYD00680, 1106, 1376, 1516, 1562, 1874, 2258
D4K 2 LGP	KRR00163, 247, 251-252, 314, 320, 453, 587, 665, 673
D4K 2 XL	KMM00133, 140, 192, 214-215, 217, 276, 329, 348, 411, 494, 499, 508, 524, 549, 574-576, 581, 602, 617, 627, 666, 669
D4K LGP	RRR00409, 419, 427, 455, 465, 475, 517, 531, 604, 616, 620
D4K XL	MMM00551, 553, 594-595, 631, 689, 722, 733, 744, 791, 810-811, 822, 824, 828-829, 861, 863
D5C III	9DL01820, 1834
D5G LGP	FDW00439, 709 RKG00837, 1777, 2671, 2851, 3083
D5G XL	FDH00644, 1158, 1571, 1619 WGB01149, 1309, 1839, 1841, 2999, 3603, 3731
D5K 2 LGP	KYY00169-00170, 196, 226, 249, 275, 357, 390, 514, 520, 533-534, 542, 548, 561, 678, 752, 925-926, 1122, 1443, 1476, 1492, 1505, 1515 TRF00186
D5K 2 XL	KWW00208-00209, 217, 237, 261, 281, 296, 304, 370, 389, 447, 482, 622, 767, 895, 909, 933, 970, 1039, 1044-1045, 1049-1051, 1071, 1129, 1233, 1291
D5K LGP	YYY00718, 1280, 1303, 1305, 1307, 1348, 1394, 1427, 1490, 1526, 1552, 1557, 1602, 1610
D5K XL	WWW00842, 891, 930, 1062, 1106, 1139, 1228, 1265, 1269, 1290, 1300, 1326, 1512, 1648, 1652-1653, 1657-1658, 1661, 1685-1686, 1712, 1781, 2103, 2321, 2327, 2329
IT14G	LWN01233, 1330, 2263 ERP00179, 238, 256, 375, 445, 454, 513, 558 FWL00738, 768, 943, 969-970

	KZN00437, 443, 897, 943, 953, 974, 1016, 1024, 1029-1030, 1050, 1085, 1114
IT18	9NB01055
TH103	3PN00687, 914, 2817
TH255	TBS00531, 565, 569, 582, 622, 739, 741, 793, 872
TH255C	JK200474, 527, 729, 741, 766, 771, 1009, 1016, 1123, 1155, 1162, 1187, 1338, 1388  JK300152-00153
TH330B	TBG00496
TH336	TDE00258
TH360B	SLE00973, 3439
TH406	TBX00504, 637, 650, 655
TH406C	GAT00175, 213  RCH00161
TH407	TBY00242, 773, 942, 951, 970, 1093, 1124, 1335, 1478-1479, 1559-1560, 1568, 1628, 1736, 1841, 1862-1864, 1876
TH407C	JJT00168, 189, 199, 202
TH408D LRC	TH400165
TH414	TBZ00558-00559, 562, 647, 654, 748, 821, 917, 932
TH414C	RWW00194, 211, 213
TH417	TBT00290, 305
TH417C	RRW00376
TH460B	SLF00532, 629, 705
TH514	TBW00241, 343, 351, 353, 385, 440, 453, 488, 490, 602, 775, 799, 811, 830, 850, 908, 935, 940
TH514C	MWC00224, 228, 241-242, 249, 251-252, 385, 395-397, 525, 551, 559, 581
TH560B	SLG00349, 385
TH580B	SLH00992, 1186, 1195
TH62	4TM02265
TH83	3RN01147, 2076
TL1055	TBM00128, 221, 311, 576, 852, 1043, 1120, 1280, 1313, 1394, 1397, 1451, 1456, 1471, 1610
TL1055C	KDE00246, 284, 356, 359, 380, 494-497, 523, 525, 708-711, 845, 897-899, 933, 937, 940, 1118-1123, 1126, 1141-1142, 1176, 1191, 1231-1232, 1261, 1288, 1311, 1428, 1440, 1474-1475, 1564-1565, 1570-1571, 1573-1575, 1630, 1632, 1698, 1711, 1714, 1762, 1768  MDD00154, 175-176, 178-179, 193, 196
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	ML500256, 260, 761, 1119
	MNT00169-00170, 172, 186, 188
TL1255	TBN00363, 464, 494, 504, 574, 587, 590, 658, 750, 880, 913, 916, 987, 1082, 1107
TL1255C	DHW00254, 256, 412-413, 450, 507, 563-564, 601, 605, 640, 653, 709-710, 713-714, 779-780, 789, 791, 838, 841, 924, 930, 954, 976, 982-985, 987-990, 1034, 1096, 1129-1132, 1226, 1244-1247, 1265, 1285, 1287-1288, 1291, 1295, 1326, 1334, 1336, 1338-1342, 1372-1373, 1375-1377, 1422-1424, 1431, 1433, 1469-1472, 1475, 1483, 1488, 1515, 1519, 1526-1527, 1546-1547
	SXM00158, 166, 172
TL1255D HRC	ML700167, 221, 392-393, 406, 539-540, 577, 626, 736
TL642	TBK00141, 202, 251, 562, 705, 880, 1013, 1028, 1094, 1108, 1115-1116, 1120, 1123, 1125-1127, 1206, 1218, 1275, 1294, 1297, 1304, 1309, 1311-1312, 1315, 1317, 1334, 1387, 1390, 1474, 1507-1508, 1510, 1544
TL642C	THG00162, 171, 258, 372, 374, 413, 424, 500, 537, 604, 792, 796, 801, 879, 957, 1072, 1074, 1110, 1130-1132, 1214-1215, 1251, 1256, 1311, 1313, 1410
	THL00166, 181, 189, 193-194, 204-205, 224, 226-227, 233
TL642D	MLG00173-00174
TL943	TBL00174, 195-196, 233, 254, 256, 343, 380, 388, 405, 608, 663, 737, 755, 856, 881, 973, 1065, 1110, 1126, 1128, 1155, 1163-1165, 1234, 1432, 1454, 1549, 1582, 1592-1593, 1630, 1638-1639, 1641, 1700, 1710, 1714, 1716, 1720, 1791, 1805, 1933, 1938, 1940, 1944-1946, 1949
TL943C	SXH00162, 165, 167, 179, 199-201, 212, 214, 217, 221-222, 224-225, 228, 231, 236-239, 242, 253, 263, 270
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TL943D	MLD00150
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216 B 3	JXM02269
226 B 3	MWD06093
226B	MJH12701
236B	HEN08252
236D	MPW00430, 817-818, 838, 1089, 1172

242B	BXM01743
242D	A9W00395, 475, 591
246C	JAY01369-01370, 1374, 2448, 2820, 3089, 3092, 3869, 3893, 4329, 4355, 5069, 5087, 5096, 5175, 5383, 5585, 6307, 6902, 6907, 7305, 7610, 7745, 7767, 7830, 8109, 8171, 8198, 8396, 8436, 8496, 8704, 8787, 8861, 8864, 8900, 9266
246D	HMR00242, 244, 410-411, 616, 619, 671, 1123, 1174, 1235, 1281, 1640
247B 3	TSL01824
248B	SCL01917
252B 3	TNK01194, 1663
256C	DWS00659
257B	SLK09672
257D	EZW00547
259B 3	YYZ03213
259D	FTK00683  FTL01310, 1485, 2087, 2344, 3007, 4043, 4512
262C	MST02488, 2678, 4010, 4382, 4493, 4967, 5026, 5237, 5325
262C 2	TMW00411, 689, 734, 1658
262D	DTB00477, 1792, 1897, 1910, 1924, 2078, 2225, 2240, 2439, 2472, 2488-2498, 2502-2503, 2506, 2508-2509, 2511, 2574, 3890  KTS00410, 427  LST00225, 398
272C	RED02177, 2713, 2907-2908
272D	B5W00410, 924  GSL00255, 339-340, 587
272D 2	BL200416
277C	JWF00914, 2413, 2425, 2663
279C	MBT01155, 2028, 2426, 2762, 2982
279C 2	KWB00224, 506, 621, 668, 688, 793, 1066, 1074, 1153, 1259
279D	GTL00466, 497, 809  RCX00284, 300, 309, 355-356
289C	JMP01129, 2427, 2818, 3026, 3146
289C 2	RTD00293, 297, 329, 332, 590, 1588, 1684
297C	GCP00870, 1193, 1750
299C	JSP01333, 1648, 1655, 1747, 1783, 1826, 1937, 2082
299D	

	GTC01518, 2250 HCL00283, 286-287, 358, 658, 707, 718, 782, 899, 997, 999, 1004
299D XHP	JST00290, 986 NLC00505, 547, 738
307D	DSG00191, 2067, 3139
308D CR	FYC00188, 388-389, 986 GBT00341, 547
308E 2CR	FJX00928, 2164
906H	SDH00952
908H	LMD00524, 1317, 2088
908H 2	JRD01474, 2132, 2571
914G	PDF01449, 1530, 1614
D3G XL	CFC00338
D3K 2 LGP	GAE00175 KLL00229, 282, 286, 739, 892
D3K 2 XL	KFF00115, 146, 149, 158, 163-164, 201, 217-218, 230, 456, 507
D3K LGP	LLL00979, 981, 1061, 1652-1654, 1658, 1660, 1662, 1664, 1676, 1682-1683, 1745-1746, 1754-1756, 1763, 1777, 1793-1794, 1802, 1809, 1812, 1814-1815, 1842-1843, 1848-1849, 1853, 1892-1893, 1896-1898, 1900, 1905-1906, 1917, 1923-1925, 1929, 1931-1933, 1935-1936, 1939, 1943-1944, 1947-1948, 1951-1957, 1959-1960, 1967-1968, 1970-1971, 1974, 1984-1991, 1994-1995, 1997-1998, 2000
D3K XL	FFF00105, 568, 709, 771, 867, 1112-1114, 1121, 1133, 1139, 1145-1146, 1150-1153, 1174, 1185, 1187-1189, 1191, 1204, 1207, 1214-1218, 1220-1221, 1223-1225
D4G XL	HYD01342, 2354
D4K 2 LGP	KRR00308-00309, 517-518, 553, 669
D4K 2 XL	KMM00123, 157, 165-166, 174-175, 186, 191, 195, 198, 226-227, 229, 232, 303, 307, 323, 332, 357, 414, 449, 470, 488, 490, 533-534, 537, 560, 564, 569-572, 592, 599, 607
D4K LGP	RRR00238, 469, 479, 497, 508, 583, 820-821, 824-826, 830, 836
D4K XL	MMM00378, 430, 563, 606-607, 613, 621, 629, 649-650, 652, 660, 679, 702-704, 710-713, 738, 748, 757, 766, 768-771, 773, 800-801, 812, 1005-1006, 1028, 1042, 1045, 1052, 1063, 1066-1068
D5G LGP	RKG00835, 3322
D5G XL	

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D5K 2 LGP	KYY00164, 186, 219, 223, 229, 258, 261, 263, 266-267, 294, 323, 389, 429, 494, 500, 523, 528-530, 554, 566, 568, 573, 591, 594, 596, 634, 700, 710-711, 724, 747, 756, 771, 886-887, 897, 967, 984, 1036, 1058, 1130, 1146, 1158, 1161, 1163, 1186, 1204, 1210, 1212, 1231, 1233, 1246, 1259, 1265-1267, 1273, 1280, 1331, 1364-1365, 1374, 1412, 1426, 1431, 1452, 1508, 1525, 1553, 1567, 1583, 1612, 1623, 1626, 1656, 1671, 1674, 1678-1679, 1683, 1693, 1700  TRF00173, 175-176, 196-197, 220, 225, 228, 230, 234-235, 285
D5K 2 XL	KWW00150, 164, 222, 231, 238, 252, 302, 323, 339, 343, 350, 361, 413, 437, 448, 456, 461, 471, 485-487, 519, 526, 549, 552, 567, 582, 584, 595, 735-736, 740, 750, 789, 794-795, 823, 826, 829, 833, 888-889, 900, 916, 918, 959-960, 999, 1006, 1025, 1077-1078, 1080, 1104, 1188, 1209, 1234, 1238, 1241
D5K LGP	JLF00275, 556  YYY00399, 462, 676, 713, 900, 973, 983-984, 996-997, 1113, 1120, 1195, 1287, 1378, 1406, 1489, 1496, 1500, 1503, 1507, 1560, 1562, 1564-1566, 1628-1629, 2001, 2003, 2006, 2015, 2019-2020, 2031, 2034, 2038, 2041-2043, 2046, 2048, 2054, 2057, 2060-2062, 2064, 2066-2068
D5K XL	WWW00288, 442, 691, 807, 1021, 1055, 1066, 1068, 1070, 1072-1073, 1120, 1182, 1184, 1186, 1194, 1205, 1256, 1258, 1280, 1284, 1317, 1347, 1353, 1387, 1402, 1405, 1418-1419, 1441, 1550, 1589-1590, 1599, 1603, 1608, 1615, 1637, 1644, 1649, 1662, 1664, 1680, 1739, 1769, 1808, 2109-2110, 2119-2121, 2128-2129, 2135-2137, 2141, 2144-2145, 2147-2148, 2161-2162, 2166, 2200, 2213-2214, 2229-2230, 2240, 2252, 2262-2263, 2266, 2272, 2280, 2283, 2285, 2292, 2299, 2314-2316, 2334, 2339, 2343-2345, 2370, 2394, 2409, 2417-2420, 2426, 2436
IT14G	IWN01970  ERP00248, 461  FWL00877, 923  KZN01072, 1082, 1101
TH220B	SLA00663
TH360B	SLE03282, 4504
TH406	TBX00387, 653

TH407	TBY00927
TH414	TBZ00270
TH460B	SLF01373, 1617, 2126, 2447, 2707
TH514	TBW00455, 461, 867
TH560B	SLG00884, 983
TH580B	SLH00278
TL1055	TBM00498, 1174, 1403, 1432
TL1055C	MDD00182, 187, 191
TL1255	TBN00841, 908
TL1255C	DHW00206, 257 SXM00150-00151, 153, 162, 167, 183
TL642C	THL00212
TL943	TBL01601
TL943C	SXH00164, 166, 175, 184, 219, 226, 252, 274, 286 THH01377
TL943D	MLD00161

## PARTS NEEDED

Qty	Part Number	Description
*****Group 1*****		
1	5798995	PL121 Satellite Radio Software
<p>In order to allow equitable parts availability to all participating dealers, please limit your initial parts order to not exceed 22% of dealership population. This is an initial order recommendation only, and the ultimate responsibility for ordering the total number of parts needed to satisfy the program lies with the dealer.</p>		
*****Group 2*****		
1	5798995	PL121 Satellite Radio Software

In order to allow equitable parts availability to all participating dealers, please limit your initial parts order to not exceed 22% of dealership population. This is an initial order recommendation only, and the ultimate responsibility for ordering the total number of parts needed to satisfy the program lies with the dealer.

\*\*\*\*\*Group 3\*\*\*\*\*

1	5798995	PL121 Satellite Radio Software
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In order to allow equitable parts availability to all participating dealers, please limit your initial parts order to not exceed 22% of dealership population. This is an initial order recommendation only, and the ultimate responsibility for ordering the total number of parts needed to satisfy the program lies with the dealer.

\*\*\*\*\*Group 4\*\*\*\*\*

1	5798995	PL121 Satellite Radio Software
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In order to allow equitable parts availability to all participating dealers, please limit your initial parts order to not exceed 22% of dealership population. This is an initial order recommendation only, and the ultimate responsibility for ordering the total number of parts needed to satisfy the program lies with the dealer.

\*\*\*\*\*Group 5\*\*\*\*\*

1	5798995	PL121 Satellite Radio Software
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In order to allow equitable parts availability to all participating dealers, please limit your initial parts order to

not exceed 22% of dealership population. This is an initial order recommendation only, and the ultimate responsibility for ordering the total number of parts needed to satisfy the program lies with the dealer.

\*\*\*\*\*Group 6\*\*\*\*\*

1	5798995	PL121 Satellite Radio Software
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In order to allow equitable parts availability to all participating dealers, please limit your initial parts order to not exceed 22% of dealership population. This is an initial order recommendation only, and the ultimate responsibility for ordering the total number of parts needed to satisfy the program lies with the dealer.

\*\*\*\*\*Group 7\*\*\*\*\*

1	5798995	PL121 Satellite Radio Software
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In order to allow equitable parts availability to all participating dealers, please limit your initial parts order to not exceed 22% of dealership population. This is an initial order recommendation only, and the ultimate responsibility for ordering the total number of parts needed to satisfy the program lies with the dealer.

\*\*\*\*\*Group 8\*\*\*\*\*

1	5798995	PL121 Satellite Radio Software
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In order to allow equitable parts availability to all participating dealers, please limit your initial parts order to not exceed 22% of dealership population. This is an initial order recommendation only, and the ultimate responsibility for

ordering the total number of parts needed to satisfy the program lies with the dealer.

\*\*\*\*\*Group 9\*\*\*\*\*

1	5798995	PL121 Satellite Radio Software
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In order to allow equitable parts availability to all participating dealers, please limit your initial parts order to not exceed 22% of dealership population. This is an initial order recommendation only, and the ultimate responsibility for ordering the total number of parts needed to satisfy the program lies with the dealer.

\*\*\*\*\*Group 10\*\*\*\*\*

1	5798995	PL121 Satellite Radio Software
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In order to allow equitable parts availability to all participating dealers, please limit your initial parts order to not exceed 22% of dealership population. This is an initial order recommendation only, and the ultimate responsibility for ordering the total number of parts needed to satisfy the program lies with the dealer.

\*\*\*\*\*Group 11\*\*\*\*\*

1	5798995	PL121 Satellite Radio Software
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In order to allow equitable parts availability to all participating dealers, please limit your initial parts order to not exceed 22% of dealership population. This is an initial order recommendation only, and the ultimate responsibility for ordering the total number of parts needed to satisfy the program lies with the dealer.

*****Group 12*****		
1	5798995	PL121 Satellite Radio Software
<p>In order to allow equitable parts availability to all participating dealers, please limit your initial parts order to not exceed 22% of dealership population. This is an initial order recommendation only, and the ultimate responsibility for ordering the total number of parts needed to satisfy the program lies with the dealer.</p>		
*****Group 13*****		
1	5798995	PL121 Satellite Radio Software
<p>In order to allow equitable parts availability to all participating dealers, please limit your initial parts order to not exceed 22% of dealership population. This is an initial order recommendation only, and the ultimate responsibility for ordering the total number of parts needed to satisfy the program lies with the dealer.</p>		

## ACTION REQUIRED

Refer to the attached Rework Procedure.

## SERVICE CLAIM ALLOWANCES

Product smu/age whichever comes first	Caterpillar Parts %	Labor Hrs%	Dealer Suggested Parts %	Labor Hrs%	Customer Suggested Parts %	Labor Hrs%
*****Group 1*****						

Caterpillar Confidential Yellow

0-500000 hrs, 0-720 mo	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%
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NOTE: This is a 2.8-hour job for Group 1

NOTE: Actual labor hours to perform this PSP repair should be claimed on a labor line, up to Service Letter Allowance. If actual labor hours are less than Service Letter Allowance, Dealer may claim for the difference as a miscellaneous expense line. The claim story should detail the labor hours and the labor rate for the miscellaneous expenses.

Product smu/age whichever comes first	Caterpillar		Dealer Suggested		Customer Suggested	
	Parts %	Labor Hrs%	Parts %	Labor Hrs%	Parts %	Labor Hrs%

\*\*\*\*\*Group 2\*\*\*\*\*

0-500000 hrs, 0-720 mo	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%
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NOTE: This is a 3.1-hour job for Group 2

NOTE: Actual labor hours to perform this PSP repair should be claimed on a labor line, up to Service Letter Allowance. If actual labor hours are less than Service Letter Allowance, Dealer may claim for the difference as a miscellaneous expense line. The claim story should detail the labor hours and the labor rate for the miscellaneous expenses.

Product smu/age whichever comes first	Caterpillar		Dealer Suggested		Customer Suggested	
	Parts %	Labor Hrs%	Parts %	Labor Hrs%	Parts %	Labor Hrs%

\*\*\*\*\*Group 3\*\*\*\*\*

0-500000 hrs, 0-720 mo	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%
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NOTE: This is a 2.8-hour job for Group 3

NOTE: Actual labor hours to perform this PSP repair should be claimed on a labor line, up to Service Letter Allowance. If actual labor hours are less than Service Letter Allowance, Dealer may claim for the difference as a miscellaneous expense line. The claim story should detail the labor hours and the labor rate for the miscellaneous expenses.

Product smu/age whichever comes first	Caterpillar		Dealer Suggested		Customer Suggested	
	Parts %	Labor Hrs%	Parts %	Labor Hrs%	Parts %	Labor Hrs%
*****Group 4*****						
0-500000 hrs, 0-720 mo	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%

NOTE: This is a 3.1-hour job for Group 4

NOTE: Actual labor hours to perform this PSP repair should be claimed on a labor line, up to Service Letter Allowance. If actual labor hours are less than Service Letter Allowance, Dealer may claim for the difference as a miscellaneous expense line. The claim story should detail the labor hours and the labor rate for the miscellaneous expenses.

Product smu/age whichever comes first	Caterpillar		Dealer Suggested		Customer Suggested	
	Parts %	Labor Hrs%	Parts %	Labor Hrs%	Parts %	Labor Hrs%
*****Group 5*****						
0-500000 hrs, 0-720 mo	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%

NOTE: This is a 2.8-hour job for Group 5

NOTE: Actual labor hours to perform this PSP repair should be claimed on a labor line, up to Service Letter Allowance. If actual labor hours are less than Service Letter Allowance, Dealer may claim for the difference as a miscellaneous expense line. The claim story should detail the labor hours and the labor rate for the miscellaneous expenses.

Product smu/age whichever comes first	Caterpillar		Dealer Suggested		Customer Suggested	
	Parts %	Labor Hrs%	Parts %	Labor Hrs%	Parts %	Labor Hrs%
*****Group 6*****						
0-500000 hrs, 0-720 mo	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%

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Caterpillar: Confidential Yellow

NOTE: This is a 3.1-hour job for Group 6

NOTE: Actual labor hours to perform this PSP repair should be claimed on a labor line, up to Service Letter Allowance. If actual labor hours are less than Service Letter Allowance, Dealer may claim for the difference as a miscellaneous expense line. The claim story should detail the labor hours and the labor rate for the miscellaneous expenses.

Product smu/age whichever comes first	Caterpillar		Dealer Suggested		Customer Suggested	
	Parts %	Labor Hrs%	Parts %	Labor Hrs%	Parts %	Labor Hrs%
*****Group 7*****						
0-500000 hrs, 0-720 mo	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%

NOTE: This is a 2.8-hour job for Group 7

NOTE: Actual labor hours to perform this PSP repair should be claimed on a labor line, up to Service Letter Allowance. If actual labor hours are less than Service Letter Allowance, Dealer may claim for the difference as a miscellaneous expense line. The claim story should detail the labor hours and the labor rate for the miscellaneous expenses.

Product smu/age whichever comes first	Caterpillar		Dealer Suggested		Customer Suggested	
	Parts %	Labor Hrs%	Parts %	Labor Hrs%	Parts %	Labor Hrs%
*****Group 8*****						
0-500000 hrs, 0-720 mo	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%

NOTE: This is a 3.1-hour job for Group 8

NOTE: Actual labor hours to perform this PSP repair should be claimed on a labor line, up to Service Letter Allowance. If actual labor hours are less than Service Letter Allowance, Dealer may claim for the difference as a miscellaneous expense line. The claim story should detail the labor hours and the labor rate for the miscellaneous expenses.

Product smu/age whichever comes first	Caterpillar		Dealer Suggested		Customer Suggested	
	Parts %	Labor Hrs%	Parts %	Labor Hrs%	Parts %	Labor Hrs%
*****Group 8*****						
0-500000 hrs, 0-720 mo	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%

lanets  
Confidential Yellow

Product smu/age whichever comes first	Caterpillar		Dealer Suggested		Customer Suggested	
	Parts %	Labor Hrs%	Parts %	Labor Hrs%	Parts %	Labor Hrs%
*****Group 9*****						
0-500000 hrs, 0-720 mo	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%
NOTE: This is a 2.8-hour job for Group 9						
NOTE: Actual labor hours to perform this PSP repair should be claimed on a labor line, up to Service Letter Allowance. If actual labor hours are less than Service Letter Allowance, Dealer may claim for the difference as a miscellaneous expense line. The claim story should detail the labor hours and the labor rate for the miscellaneous expenses.						

Product smu/age whichever comes first	Caterpillar		Dealer Suggested		Customer Suggested	
	Parts %	Labor Hrs%	Parts %	Labor Hrs%	Parts %	Labor Hrs%
*****Group 10*****						
0-500000 hrs, 0-720 mo	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%
NOTE: This is a 2.8-hour job for Group 10						
NOTE: Actual labor hours to perform this PSP repair should be claimed on a labor line, up to Service Letter Allowance. If actual labor hours are less than Service Letter Allowance, Dealer may claim for the difference as a miscellaneous expense line. The claim story should detail the labor hours and the labor rate for the miscellaneous expenses.						

Product smu/age whichever comes first	Caterpillar		Dealer Suggested		Customer Suggested	
	Parts %	Labor Hrs%	Parts %	Labor Hrs%	Parts %	Labor Hrs%
*****Group 11*****						
0-500000 hrs, 0-720 mo	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%
NOTE: This is a 3.1-hour job for Group 11						

Caterpillar: Confidential lanets  
Yellow

NOTE: Actual labor hours to perform this PSP repair should be claimed on a labor line, up to Service Letter Allowance. If actual labor hours are less than Service Letter Allowance, Dealer may claim for the difference as a miscellaneous expense line. The claim story should detail the labor hours and the labor rate for the miscellaneous expenses.

Product smu/age whichever comes first	Caterpillar		Dealer Suggested		Customer Suggested	
	Parts %	Labor Hrs%	Parts %	Labor Hrs%	Parts %	Labor Hrs%
*****Group 12*****						
0-500000 hrs, 0-720 mo	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%

NOTE: This is a 2.8-hour job for Group 12

NOTE: Actual labor hours to perform this PSP repair should be claimed on a labor line, up to Service Letter Allowance. If actual labor hours are less than Service Letter Allowance, Dealer may claim for the difference as a miscellaneous expense line. The claim story should detail the labor hours and the labor rate for the miscellaneous expenses.

Product smu/age whichever comes first	Caterpillar		Dealer Suggested		Customer Suggested	
	Parts %	Labor Hrs%	Parts %	Labor Hrs%	Parts %	Labor Hrs%
*****Group 13*****						
0-500000 hrs, 0-720 mo	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%

NOTE: This is a 3.1-hour job for Group 13

NOTE: Actual labor hours to perform this PSP repair should be claimed on a labor line, up to Service Letter Allowance. If actual labor hours are less than Service Letter Allowance, Dealer may claim for the difference as a miscellaneous expense line. The claim story should detail the labor hours and the labor rate for the miscellaneous expenses.

## PARTS DISPOSITION

Handle the parts in accordance with your Warranty Bulletin on warranty parts handling.

### Rework Procedure



### **WARNING**

**Do not operate or work on this product unless you have read and understood the instruction and warnings in the relevant Operation and Maintenance Manuals and relevant service literature. Failure to follow the instructions or heed the warnings could result in injury or death. Proper care is your responsibility.**

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Group Number 1 Group Number 3 Group Number 5 Group Number 7 Group Number 9 Group Number 10 Group Number 12

Before going to the Customer Site:

1. Refer to RENR7911 Testing and Adjusting Guide, section "Electronic Control Module (ECM) – Flash Program", for all tools required to perform the PL121 flash, as well as familiarity with the process.
2. Review training materials available for this process, available at "<https://dealer.cat.com/connectivityoffer>" under the tab for "Technical Training".

Note: Information provided here will have required training for this process through videos and detailed work instructions. Suggest printing the work instructions as a reference when performing the repair at the machine.

3. Download software part number 579-8995 from SISWeb.

At the Machine (PL121):

Note: While onsite conduct a TA1 technical inspection using the Cat Inspect smartphone application or equivalent dealer inspection tool. See "<https://dealer.cat.com/catininspect>" for more information on the Cat Inspect product.

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Note: If assistance is needed to update software on the Product Link device, contact the Product Link Hardware Support Hotline. Dial the DSN phone number at 309-636-8500 (Americas - North & South), 65-6828-7080 (EAME, APD - India Local) and select Prompt #2.

4. Using a Serial Service Cable, 245-7310, and USB-to-Serial Adapter, 370-8059, connect to the asset's 3-pin PL121 Service Connector.

5. Navigate to the "Current Totals" screen under the "Information" menu in Cat ET and note the current Service Meter Hours.

Note: In some instances the Service Meter Hours have been known to roll back to a number either 0, or some other non-zero number that is less than current Service Meter Hours. This step is critical to ensure that hours can be reset manually after the flash if this occurs.

6. Navigate to the "Product Link Flash" screen under the Service menu in Cat ET, then update the PL121 Radio software to the new file, 579-8995.

Note: Once the update is complete wait at least one minute before proceeding.

7. Turn the asset's Key Switch off and wait at least 5 minutes to ensure that the PL121 completely shuts down.

8. Turn the asset's Key Switch on and reconnect Cat ET.

9. Navigate to the "Current Totals" screen under the "Information" menu in Cat ET and verify that the Product Link still shows the correct hours.

10. If the hours are correct the procedure is complete. If the hours are not correct, then proceed to step 11.

11. Select the "Change" button at the bottom of the screen and set the hours in the Product Link to the desired value (recorded at start of procedure)

12. Ensure that the hours on the PL121 are correct

Group Number 2 Group Number 4 Group Number 6 Group Number 8 Group Number 11 Group Number 13

Before going to the Customer Site:

1. Refer to RENR7911 Testing and Adjusting Guide, section "Electronic Control Module (ECM) - Flash Program", for all tools required to perform the PL121 flash, as well as familiarity with the process.

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2. Review training materials available for this process, available at "https://dealer.cat.com/connectivityoffer" under the tab for "Technical Training".

Note: Information provided here will have required training for this process through videos and detailed work instructions. Suggest printing the work instructions as a reference when performing the repair at the machine.

3. Download software part number 579-8995 from SISWeb.

At the Machine (PL321):

Note: While onsite conduct a TA1 technical inspection using the Cat Inspect smartphone application or equivalent dealer inspection tool. See "https://dealer.cat.com/catininspect" for more information on the Cat Inspect product.

Note: If assistance is needed to update software on the Product Link device, contact the Product Link Hardware Support Hotline. Dial the DSN phone number at 309-636-8500 (Americas - North & South), 65-6828-7080 (EAME, APD - India Local) and select Prompt #2.

4. Using a Comm Adapter connect to the machine's Service Port and start Cat ET.

5. Download a Product Status Report and store on your computer. Make note of the Service Meter Hours.

Note: In some instances, the Service Meter Hours have been known to roll back to a number that is either 0 or some other non-zero number that is less than current the Service Meter Hours. This step is critical to ensure that hours can be reset manually after the flash if this occurs.

6. Navigate to the "Subsystem Module Programming" page under the Service menu, then update the PL121 Radio software to the new file, 579-8995.

Note: Once the update is complete wait at least one minute before proceeding.

Note: It is not recommended to update the PL300 software at the same time as the PL121, as this can cause the PL121 software to not report properly. If the PL300 software is outdated, and you are voluntarily planning to update the PL300 software during the same machine visit, please wait to until after the 5 minute key switch off period shown in step 7 before updating the PL300 software.

7. Turn the asset's Key Switch off and wait at least 5 minutes to ensure that the PL321 completely shuts down.

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8. Turn the asset's Key Switch on and reconnect Cat ET.
9. Go to the "Service" Menu and select "Synchronize Service Hour Meters" and verify that the Product Link still shows the correct hours in the "Total Operating Hours" column.
10. If the hours are correct the procedure is complete. If the hours are not correct, then proceed to step 11.
11. If Product Link is the 'Master' then press the "Set Master Hours..." at the bottom of the screen and update the hours to the correct operating hours for the machine. If an ECM other than Product Link is the 'Master' then press the "Synchronize" button at the bottom of the screen.
12. Ensure that the hours on the PL121 are correct