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April 5, 2018

LTR: BYRON 2018-0027

File: 1.10.0101

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555-0001

Byron Nuclear Power Station, Unit 2  
Facility Operating License No. NPF-66  
NRC Docket No. STN 50-455

Subject: Byron Station, Unit 2 Steam Generator Tube Inspection Report for Refueling Outage 20

In accordance with Technical Specification 5.6.9, "Steam Generator (SG) Tube Inspection Report," Exelon Generation Company, LLC is reporting the results of the SG inspections that were completed during Byron Station, Unit 2 Refueling Outage 20 (B2R20).

If there are any questions regarding this submittal, please contact Mr. Doug Spitzer, Regulatory Assurance Manager, at (815) 406-2800.

Respectfully,

A handwritten signature in black ink, appearing to read "Mark Kanavos".

Mark Kanavos  
Site Vice President  
Byron Station

MEK/PMC/LZ/rm

Attachment:

- 1) Byron Station, Unit 2 Steam Generator Tube Inspection Report Refueling Outage 20, September, 2017

cc: Regional Administrator, NRC Region III  
NRC Senior Resident Inspector – Byron Station  
Illinois Emergency Management Agency – Division of Nuclear Safety

**Exelon Generation Company, LLC**

**BYRON STATION UNIT 2  
4450 North German Church Road  
Byron, Illinois 61010**

**COMMERCIAL OPERATION: August 21, 1987**

**BYRON STATION UNIT 2  
STEAM GENERATOR TUBE INSPECTION REPORT**

**REFUELING OUTAGE 20**

**October 2017**

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**Mailing Address  
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## **Introduction**

Byron Station, Unit 2 operates with four (4) Westinghouse Model D-5 recirculating steam generators (SGs) in the four-loop pressurized water reactor system. Each SG contains 4570 thermally treated Alloy-600 U-tubes that have a nominal outside diameter of 0.750 inches and a nominal thickness of 0.043 inches. The tubes are hydraulically expanded into the full depth of the tubesheet. The tubes are supported by stainless steel quatrefoil support plates (TSPs) and chrome plated Alloy-600 anti-vibration bars (AVBs). The tube support plates within the pre-heater region are 0.75" thick stainless steel drilled hole baffle plates. The lowest tube support plate (TSP 01) on the hot and cold leg sides is a flow distribution baffle that is also stainless steel of 0.75" thick with enlarged drilled tube holes to distribute the feed flow. See Attachment A, for a diagram of the D-5 SG tube support plate (TSP) and AVB Configuration.

Technical Specification (TS) 5.5.9.d provides the requirements for SG inspection frequencies and requires periodic SG tube inspections to be performed. TS 5.5.9.d requires that 100% of the Unit 2 tubes are to be inspected at sequential periods of 120, 96, and thereafter 72 effective full power months (EFPM). The first sequential period shall be considered to begin after the first inservice inspection of the SGs.

At the start of B2R20, the Byron Unit 2 SGs had accumulated a total of 27.05 EFPY, and 25.862 EFPY (310.34 EFPM) since the first inservice inspection (ISI) during B2R01. Therefore, Unit-2 was at 22.34 EFPM of the 72 EFPM in the fourth sequential inspection period making B2R20 the second outage and first SG inspection of the four (4) outage inspection period.

The B2R20 SG inspections were performed consistent with the Electric Power Research Institute (EPRI) "PWR Steam Generator Examination Guidelines: Revision 8," applicable interim guidance and Nuclear Energy Institute (NEI) 97-06, "Steam Generator Program Guidelines" Revision 3. The field inspection activities were conducted from October 4, 2017 through October 15, 2017 by the Westinghouse Electric Company LLC.

## **Steam Generator Inspection Scope (TS 5.6.9.a)**

Byron Unit 2 Refueling Outage 20 (B2R20) was the second refueling outage of the second 72 EFPM period, the next SG inspection is planned for B2R22, which will be the fourth refuel outage within the second 72 EFPM period. The following inspections were performed during B2R20 to ensure that 100% of the tubes will be inspected during the period as required by TS 5.5.9.d.

Eddy Current Scope:

### **Bobbin Inspections**

- 100% full length examination of all in-service tubes in all four (4) SGs.
  - ✓ Tubes in Rows 1 and 2 were inspected from tube end to TSP 11H/11C. The U-bend portions were inspected as part of the Row 1 and Row 2 +POINT™ probe program.
- Examined the hot leg and cold leg tubesheet region for tube slippage.

### MRPC/+Point Probe Inspections

- 50% Row 1 and Row 2 U-bend region from TSP 11H to 11C
- All tubes in the U-bend region containing manufacturing artifacts.
- 50% Dents/Dings >5.0 volts located in the hot leg, cold leg and U-bend.
- 50% Dents 2.0-5.0 volts located at TSPs 01H, 01C, 02C, 03C, 04C, 05C, and 06C
- 50% Dings 2.0-5.0 volts located below TSP 06C and TSP 01H.
- All bobbin coil “I-code” indications that are not resolved after history review.
- Existing and new TSP wear indications based on bobbin inspection.
- Inspection to bound (all surrounding tubes, at least 2 pitches removed) the tubes with potential loose part (PLP) signals identified during the current inspection as necessary to support the Operational Assessment.
- All foreign object wear left in service from the previous inspection as specified Degradation Assessment.
- All hot leg, cold leg, and U-bend dent/ding locations  $\geq$ 2.0 volts and locations of tube wear in all in-service tubes potentially containing high residual stress (minus 2-sigma tubes).
- Inspection of the following “benign” signal codes:
  - ✓ BLG/OXP located outside the tubesheet or TSP

### X-Probe Inspections

- 50% hot leg TTS +3 inches/-14.01 inches.
- 50% hot leg bulges/overexpansions within TTS –14.01 inches (H\* region).
- 50% preheater baffle plate expansions at TSP 02C and TSP 03C.
- 100% preheater baffle plate expansions at TSP 02C in the “corner” peripheral tubes with hydraulic expansions in all four (4) SGs.
- Hot leg peripheral tubes (tubes within high flow zone) from 01H to 14.01 inches below the tubesheet.
- Cold leg peripheral tubes (tubes within high flow zone and peripheral tubes two (2) tubes deep excluding T-slot and tube lane from TSP 01C to 3 inches into the tubesheet).
- 100% hot leg and cold leg intersections in the in-service potentially high residual stress tubes (minus 2-sigma tubes).
- 100% hot leg and cold leg tubesheet expansion transitions +3/-14.01 inches in the in-service potentially high residual stress tubes (minus 2-sigma tubes).
- Foreign objects and tubes adjacent to tubes plugged due to foreign objects per Degradation Assessment.

Other SG Inspections:

Visual Inspection of Installed Tube Plugs – All previously installed tube plugs were visually inspected for signs of degradation and leakage. In addition, all plugs installed during B2R20 were also visually inspected, and the installation parameters were reviewed for acceptable installation.

SG Channel Head Bowl Visual Inspections- Each SG primary channel head was visually examined in accordance with the recommendations of Westinghouse NSAL 12-01 and NRC IN 2013-20 for evidence of breaches in the cladding or cracking in the divider to channel head weld and for evidence of wastage or cracking of the carbon steel channel head.

Secondary Side Visual Inspections – A full foreign object search and retrieval (FOSAR) of the pre-heater baffle plate TSP 02C was performed in SG 2B & 2C preheater high flow regions on the pre-heater tube support baffle plate TSP 02C. The high flow regions included the preheater Waterbox, rib and cap plate region.

During B2R20, SG 2A and 2C primary and secondary side moisture separator regions were visual inspected along with obtaining ultrasonic thickness measurements.

Chemical Cleaning and Sludge Lancing - SG secondary side Chemical Cleaning using the Westinghouse Advanced Scale Conditioning Agent (ASCA) and TTS sludge lancing was performed during B2R20.

**Degradation Mechanisms Found (TS 5.6.9.b)**

The Table below provides a summary of all the degradation, by mechanism, identified during the B2R20 inspections (all mechanisms were present during previous inspections). No evidence of any cracking was found.

**Summary of B2R20 Degradation Indications by Mechanism**

Degradation Mechanism	SG 2A	SG 2B	SG 2C	SG 2D	Total
AVB Wear	259	402	293	191	1145
TSP Wear	0	7	6	6	19
New Secondary Side FO Wear	3	2	1	2	8
Historical Secondary Side FO Wear Remaining In Service	5	10	2	4	21

Other Results:

Visual Inspection of Installed Tube Plugs – No degradation or anomalies were found.

SG Channel Head Bowl Visual Inspections- No evidence of cladding or weld breaches, channel head wastage or cracking was identified.

Secondary Side Visual Inspections - All four (4) fit-up blocks under TSP 03C were found intact in both SGs inspected. The Waterbox vertical rib plates and target plate in both SGs inspected were found to be in acceptable condition with no indication of degradation, erosion or other anomalies.

During the B2R20 refueling outage at Byron Unit 2, a visual inspection of the preheater region of SG 2C found a loose part (backing bar) that was subsequently determined to have been generated from the steam generator's Waterbox where the feedwater enters the steam generator. The loose part, which was located within the tube bundle at the '02C' tube support plate was removed from the steam generator during FOSAR activities. This part, which turned out to be a backing bar had not caused detectable tube wear.

Based on a visual inspection of SG 2C's Waterbox, it was determined that the source of the loose part was one of the two cut-outs made in the central locations of the Waterbox's cap plate region. These cut-outs were made in the cap plate during manufacturing of the steam generator to generate 'windows' in the cap plate to permit access to the inside of the Waterbox. Following the completion of work internal to the Waterbox, the cut-out plates created from cutting out the two access windows were designed to be reinstalled in the cap plate by full-penetration groove welds on three sides of each cut-out plate. During the reinstallation welding of these cut-out plates, backing bars/tabs were used to 'frame' the three sides of the cut-out plates where the full-penetration groove welds would be located in order to provide backing for the root passes of the welds. Each cut-out plate possessed three backing bars, with one backing bar being approximately 10.5 inches long and spanning the length of the cut-out plate and the other two backing bars being approximately 2.5 inches long and approximately 4 inches long and located on the ends of the cut-out plates. Thus, a total of six backing bars were utilized to re-install the two cut-out plates during steam generator manufacture. These backing bars were intended to be fused to the full-penetration groove welds and remain permanently in place in the steam generator.

Evaluations concluded that the remaining backing bars pose no concern for tube integrity over the period until the next steam generator inspection. In the postulated event that any of the remaining backing bars or cut out plates become loose, ninety-one (91) tubes were preventatively plugged and stabilized to prevent the potential loose parts from contacting and damaging active tubes. This similar condition occurred in 2004 (ML042260202) in SG 2A Waterbox, which was repaired in 2005.

No other evidence of degradation or anomalies was reported in SG 2B & 2C preheater. Extent of condition was performed for the remaining SG preheaters, 2A preheater had similar degradation and was repaired in 2005, while the SG 2D preheater had no backing tabs and no degradation. The SG 2C Waterbox will be inspected during the next SG inspection (B2R22) and are developing long-term strategy for addressing the issue.

Inspection results for the SG 2A and SG 2C primary moisture separators in the steam drum still show signs Flow Accelerated Corrosion (FAC)/erosion wear and that it is progressing slowly. The minimum component thickness was the riser barrel, which had an ultrasonic thickness measurement of 0.143 inches compared to the nominal component thickness of 0.25 inches. No repairs were required, and it was concluded that operation until the next schedule inspection

is justified with no adverse consequences for the moisture separators in all 4 SGs.

#### **Nondestructive Examination Techniques Utilized for Each Degradation Mechanism Found During B2R20 (TS 5.6.9.c)**

All SG eddy current examination techniques used for sizing degradation (see Table below) were qualified in accordance with Appendix H of the EPRI PWR SG Examination Guidelines Revision 8. Each examination technique was evaluated to be applicable to the tubing and the degradation mechanisms found in the Byron Station Unit 2 SGs during B2R20.

#### **EPRI APPENDIX H TECHNIQUES**

<b>EPRI Technique ETSS</b>	<b>ETSS Rev.</b>	<b>Probe</b>	<b>Degradation Applicability<sup>1</sup></b>
21998.1	4	+Point™	Detection/Sizing Volumetric Wear at Foreign Object Wear Locations and Freespan Flaws (Volumetric Indications)
96004.3	13	Bobbin	Detection/Sizing Volumetric Wear at AVBs Detection Volumetric Wear at Broached and Drilled TSPs
96910.1 <sup>2</sup>	11	+Point™	Detection/Sizing Volumetric Wear at TSPs, Foreign Object Wear Locations, and Freespan Flaws (Volumetric Indications)

Notes: 1. TSP – Tube Support Plate

AVB – Anti-Vibration Bar

PLP – Possible Loose Part

2. Extended technique – detection and sizing of foreign object wear (with or without loose part present and similar TSP wear)

#### **Location, Orientation (if linear), and Measured Sizes of Service Induced Indications (TS 5.6.9.d)**

- Anti-Vibration Bar (AVB) Wear – Tube degradation was found during bobbin coil examination in the U-Bend region due to fretting of the AVB on the outer surface of the tube. A total of 1145 indications were reported. Two (2) tubes in SG 2A, R44-C81 & R41-C91 had indications of AVB wear exceeding 40% TW plugging limit, and the two tubes were removed from service by mechanical tube plugging. The largest AVB wear indication found during B2R20 was measured at 42% through-wall (TW). The Table below provides a summary of AVB wear degradation. Refer to Attachment B for detailed locations and sizing for all AVB wear indications.

### B2R20 AVB Wear Summary

	SG 2A	SG 2B	SG 2C	SG 2D
	# of Ind.	# of Ind.	# of Ind.	# of Ind.
10-39% TW	257	402	293	189
>= 40% TW	2	0	0	2
TOTAL	259	402	293	191

- Mechanical Wear at Tube Support Plates (TSPs) – Tube degradation attributed to wear in the quatrefoil (broached) TSPs and in the pre-heater TSPs, which are drilled support baffle plates was identified. A total of 19 indications in 15 support plate structures were identified as wear during B2R20. Additionally, 14 pre-existing TSP wear was identified in the 2B, 2C, and 2D SGs and five newly identified TSP wear was found in the 2B and 2D SGs. The depth of the TSP wear ranged from 9% TW to 39% TW. The Table below provides a summary of the tubes that contain indications of pre-heater or quatrefoil TSP wear as identified during B2R20.

### B2R20 TSP Wear Summary

SG	Row	Col	Volts	Ind	Per	Locn	Inch1	Wear Type
Pre-Existing TSP Wear Indications								
2A	None							
2B	15	91	0.16	PCT	12	06C	-0.24	Baffle Plate
2B	47	75	0.12	PCT	9	02C	0.45	Baffle Plate
2C	48	35	0.20	PCT	26	02C	0.53	Baffle Plate
2D	48	63	0.23	PCT	14	05C	0.1	Baffle Plate
2B	46	50	0.46	PCT	22	07C-SP1	0.35	Quatrefoil Land
2B	46	50	0.23	PCT	13	07C-SP2	-0.43	Quatrefoil Land
2B	47	54	0.45	PCT	22	07C	0.21	Quatrefoil Land
2B	49	73	0.24	PCT	14	07C	0.42	Quatrefoil Land
2C*	49	65	1.20	PCT	39	07C-SP1	-0.44	Quatrefoil Land
2C*	49	65	0.56	PCT	25	07C-SP2	-0.50	Quatrefoil Land
2C	49	73	0.39	PCT	20	07C	-0.32	Quatrefoil Land
2C	48	63	0.48	PCT	23	07C	-0.39	Quatrefoil Land
2C	49	64	0.94	PCT	34	07C	0.34	Quatrefoil Land
2D	48	63	0.44	PCT	22	07C	0.51	Quatrefoil Land
Newly Identified TSP Wear Indications								
2B	49	64	0.19	PCT	12	07C	0.05	Quatrefoil Land
2D	49	63	0.18	PCT	11	07C-SP1	0.00	Quatrefoil Land
2D	49	63	0.29	PCT	16	07C-SP2	0.00	Quatrefoil Land
2D	49	63	0.17	PCT	11	07C-SP3	0.00	Quatrefoil Land
2D	49	70	0.33	PCT	22	05C	-0.17	Baffle Plate

\*Note: Tube was preventatively plugged and stabilized during B2R20

- Foreign Object Wear – A total of 29 indications of FO wear were identified during B2R20. Twenty-one (21) of the indications were historical and the remaining eight (8) were newly reported during B2R20. The indications ranged from 10% TW to 35% TW. The historical FO wear shows no significant change in eddy current signal response. All FO associated with the historical wear flaws were removed in a prior outage.
- Two (2) tubes were preventatively plugged during the current inspection due to detecting volumetric indications located slightly below TSP 05H and aligned with the quatrefoil flow hole. Tube R35-C22 in SG 2A contained a new 18% TW indication at TSP 05H-0.79 inch with an associated PLP signal. Tube R40-C52 in the SG 2D contained a new 35% TW indication at TSP 05H -0.76 inch also with an associated PLP signal. While the depths of the indications did not exceed the 40% TW tube plugging limit, both tubes were preventatively plugged due to the FO that caused the wear is still present that may cause continued tube wear.
- The Table below lists the data record for the eddy current signals corresponding to foreign object wear indications detected during B2R20

#### B2R20 Foreign Object Wear Summary

SG	Affected Tubes		TSP Location		Legacy or New	Axial (inch)	Circ Extent (inch)	Circ Ext (deg)	NDE Depth (%TW)	Comment
	Row	Col								
2A	8	76	07H	-0.99	Legacy	0.23	0.33	51	19	Object Not Present
2A	39	50	02C	2.2	Legacy	0.19	0.2	31	14	Object Not Present
2A	45	67	02C	1.02	Legacy	0.22	0.32	49	18	Object Not Present
2A	45	67	02C	3.02	Legacy	0.22	0.22	34	22	Object Not Present
2A	47	67	02C	0.43	Legacy	0.22	0.21	32	26	Object Not Present
2B	37	74	07H	-1.01	Legacy	0.18	0.21	32	18	Object Not Present
2B	39	66	02C	0.91	Legacy	0.19	0.4	62	12	Object Not Present
2B	38	66	02C	1.44	Legacy	0.54	0.35	54	25	Object Not Present
2B	1	54	02C	-0.23	Legacy	0.13	0.23	35	25	Object Not Present
2B	38	35	05H	-0.58	Legacy	0.15	0.26	40	25	Object Not Present
2B	38	35	05H	-0.88	Legacy	0.21	0.23	35	12	Object Not Present
2B	29	26	01H	0.47	Legacy	0.19	0.32	49	17	Object Not Present
2B	29	25	01H	0.62	Legacy	0.12	0.2	31	10	Object Not Present
2B	35	15	07H	-0.97	Legacy	0.15	0.24	37	17	Object Not Present
2B	14	4	05H	0.89	Legacy	0.09	0.32	49	10	Object Not Present
2C	16	18	01H	0.46	Legacy	0.19	0.22	34	23	Object Not Present
2C	17	18	01H	0.49	Legacy	0.19	0.24	37	14	Object Not Present
2D	6	44	08H	-0.59	Legacy	0.22	0.16	25	34	Object Not Present
2D	9	76	07H	-0.64	Legacy	0.11	0.18	28	18	Object Not Present
2D	24	65	02C	1.13	Legacy	0.26	0.25	38	34	Object Not Present

SG	Affected Tubes		TSP Location		Legacy or New	Axial (inch)	Circ Extent	Circ Ext	NDE Depth	Comment
2D	25	65	02C	1.48	Legacy	0.15	0.27	42	12	Object Not Present
Newly Reported Foreign Object Wear										
2A	28	56	07H	-0.88	New	0.19	0.2	31	17	Object Not Present
2A	30	50	03H	-0.61	New	0.14	0.27	42	22	Object Not Present
2A	35	22	05H	-0.79	New	0.14	0.32	49	18	Tube Plugged in B2R20 PLP Present
2B	17	48	05H	-0.8	New	0.12	0.2	31	25	Object Not Present
2B	27	74	05H	-0.92	New	0.12	0.22	34	18	Object Not Present
2C	6	48	05H	-0.8	New	0.18	0.3	46	16	Object Not Present
2D	24	47	05H	-0.78	New	0.19	0.17	26	29	Object Not Present
2D	40	52	05H	-0.76	New	0.19	0.31	48	35	Tube Plugged in B2R20 PLP Present

### Plugging Summary (TS 5.6.9.e and TS 5.6.9.f)

As a result of the B2R20 SG inspections, performed in accordance with TS 5.5.9.d, the modes of tube degradation found were Anti-Vibration Bar (AVB) wear, tube support plate (TSP) wear, and secondary side foreign object (FO) wear. A total of ninety-six (96) tubes were removed from service by mechanical tube plugging. The ninety-six (96) tubes removed from service, are as follows:

- Two (2) tubes were plugged due to having AVB wear exceeding 40% TW Technical Specification 5.5.9.c plugging criteria.
- Two (2) tubes were plugged due to foreign object wear in the presence of a PLP indication.
- One (1) tube was plugged and stabilized due to TSP wear that was projected to exceed the 40% TW Tech Spec plugging criteria before the next scheduled inspection.
- Ninety-one (91) tubes were preventatively plugged and stabilized in SG 2C due to potential degradation of the internals of the Waterbox.

### B2R20 Tube Plugging by Degradation Mechanism (TS 5.6.9.e)

Degradation Mechanism	SG 2A	SG 2B	SG 2C	SG 2D	Total
AVB Wear	2	0	0	0	2
TSP/Pre-heater Wear	0	0	1	0	1
Axial ODSCC	0	0	0	0	0
FO Wear	1	0	0	1	2
Preventative	0	0	91	0	91
Total Plugged during B2R20	3	0	92	1	96

Tube plugging was conducted in accordance with ASME Section XI, 2007 Edition through 2008 Addenda. All tube plugging was performed by Westinghouse using an Alloy 690 mechanical tube plugging process in accordance with ASME Section XI IWA-4713, "Heat Exchanger Tube Plugging by Expansion." All plugging was performed in accordance with Westinghouse approved procedures. There are no approved tube repair methods for the Unit 2 SGs. No tube sleeving was performed.

**Tube Plugging to Date (Number and Percentage per SG) (TS 5.6.9.f)**

	SG 2A	SG 2B	SG 2C	SG 2D	Total
Total Plugged during B2R20	3	0	92	1	96
Total Stabilized during B2R20	0	0	92	0	92
Total Plugged through B2R20	159	142	166	42	509
Total Percent Plugged through B2R20 <sup>1</sup>	3.48%	3.11%	3.63%	0.92%	2.78%

Note: 1) Plugging percent is based on 4570 tubes per SG for all 4 SGs.

**Results of Condition Monitoring (TS 5.6.9.g)**

A condition monitoring assessment was performed for each inservice degradation mechanism found during the B2R20 SG inspection. The condition monitoring assessment was performed in accordance with TS 5.5.9.a and NEI 97-06 Rev. 3 using the EPRI Steam Generator Integrity Assessment Guidelines, Revision 4. For each identified degradation mechanism, the as-found condition was compared to the appropriate performance criteria for tube structural integrity, accident induced leakage, and operational leakage as defined in TS 5.5.9.b. For each degradation mechanism a tube structural limit was determined to ensure that SG tube integrity would be maintained over the full range of normal operating conditions, all anticipated transients in the design specifications, and design basis accidents. This includes retaining a safety factor of 3.0 against burst under normal steady state full power operation primary to secondary pressure differential and a safety factor of 1.4 against burst under the limiting design basis accident pressure differential. The structural limits for wear related degradation were performed in accordance with the EPRI Steam Generator Integrity Assessment Guidelines and the EPRI Steam Generator Degradation Specific Management Flaw Handbook, Revision 2 (Flaw Handbook).

The as-found condition of each tubing degradation mechanism found during the B2R20 outage was shown to meet the appropriate limiting structural integrity performance parameter with a probability of 0.95 at 50% confidence, including consideration of relevant uncertainties thus satisfying the condition monitoring requirements. The NDE measured flaw depths are compared to the structural integrity condition monitoring (CM) limits, which account for tube material strength, burst relation, and NDE measurement uncertainties with a 0.95 probability at 50% confidence. Therefore, the NDE measured flaw sizes are directly compared to the CM limit. No indications met the requirements for proof or leakage testing; therefore, no In Situ Pressure tests were performed during B2R20. In addition, no tube pulls were performed during B2R20.

The sections below provide a summary of the condition monitoring assessment for each degradation mechanism found during B2R20.

**AVB Wear-** The two largest AVB wear indications found during the B2R20 inspection were 42% & 41% TW in SG 2A, tubes R44-C81 and R41-C91 respectively as measured by the EPRI Appendix H qualified technique 96004.3, Rev. 13. This is below the AVB wear CM limit of 63.0% TW. The two tubes with these indications were plugged in accordance with TS 5.5.9.c SG tube plugging criteria.

**Pre-Heater Baffle/TSP Wear-** The maximum drilled hole baffle plate wear indication reported during B2R20 was in SG 2C tube R48-C35 TSP 02C measuring an NDE depth of 26% TW. All TSP wear, whether located at quatrefoil TSPs or drill hole baffle plate

supports was depth sized using the +Point Examination Technique Specification Sheet (ETSS) 96910.1 technique. This is a change in methodology from previous inspections where flat (non-tapered) quatrefoil TSP and drilled hole baffle plate wear were depth sized with bobbin coil technique 96004.3 and tapered TSP/baffle plate tapered wear was sized with the +Point probe technique. During this inspection, all TSP/baffle plate wear was sized with the +Point probe Technique 96910.1, regardless if the wear was tapered or flat.

None of the TSP/drilled hole baffle plate wear indications exceeded the CM limits. The maximum quatrefoil TSP wear indication reported during B2R20 was in SG 2C at R49-C65 TSP 07C measuring an NDE depth of 39% TW with 25% TW wear on a second land at the same support. The quatrefoil wear is less than the CM limit for quatrefoil TSP wear of 51.3% TW for wear extending the entire support plate width. In addition, the maximum baffle plate wear (26% TW) is less than the CM limit for drilled hole baffle plate wear of 53.6% TW for wear extending the entire support plate width. Therefore, condition monitoring for structural and leakage integrity has been satisfied for both quatrefoil TSP wear and baffle plate wear.

Foreign Object Wear - The deepest foreign object wear indication found during the B2R20 inspection was 35% TW with axial extent of 0.19 inch and a circumferential extent of 0.31 inch (Tube R40-C52 in SG 2D). Note: Other wear flaws were longer and/or wider. Nevertheless, all historical FO wear and newly identified FO wear falls within the bounds of the CM structural limit of 52.0% TW defined by a 0.55 inch axial and 135 degree circumferential flaw.

#### **Primary to Secondary Leakage Assessment (TS 5.6.9.h and TS 5.6.9.i)**

Byron TS 5.6.9.h reporting requirement states:

"For Unit 2, the operational primary to secondary leakage rate observed (greater than three gallons per day) in each steam generator (if it is not practical to assign the leakage to an individual steam generator, the entire primary to secondary leakage should be conservatively assumed to be from one steam generator) during the cycle preceding the inspection which is the subject of the report,"

Byron Station, Unit 2 did not observe any operational SG primary to secondary leakage over the preceding cycle. This is based on chemistry sampling taken from the Steam Jet Air Ejector and liquid SG blowdown sample locations.

Byron TS 5.6.9.i reporting requirement states:

"For Unit 2, the calculated accident induced leakage rate from the portion of the tubes below 14.01 inches from the top of the tubesheet for the most limiting accident in the most limiting SG. In addition, if the calculated accident induced leakage rate from the most limiting accident is less than 3.11 times the maximum operational primary to secondary leakage rate, the report should describe how it was determined..."

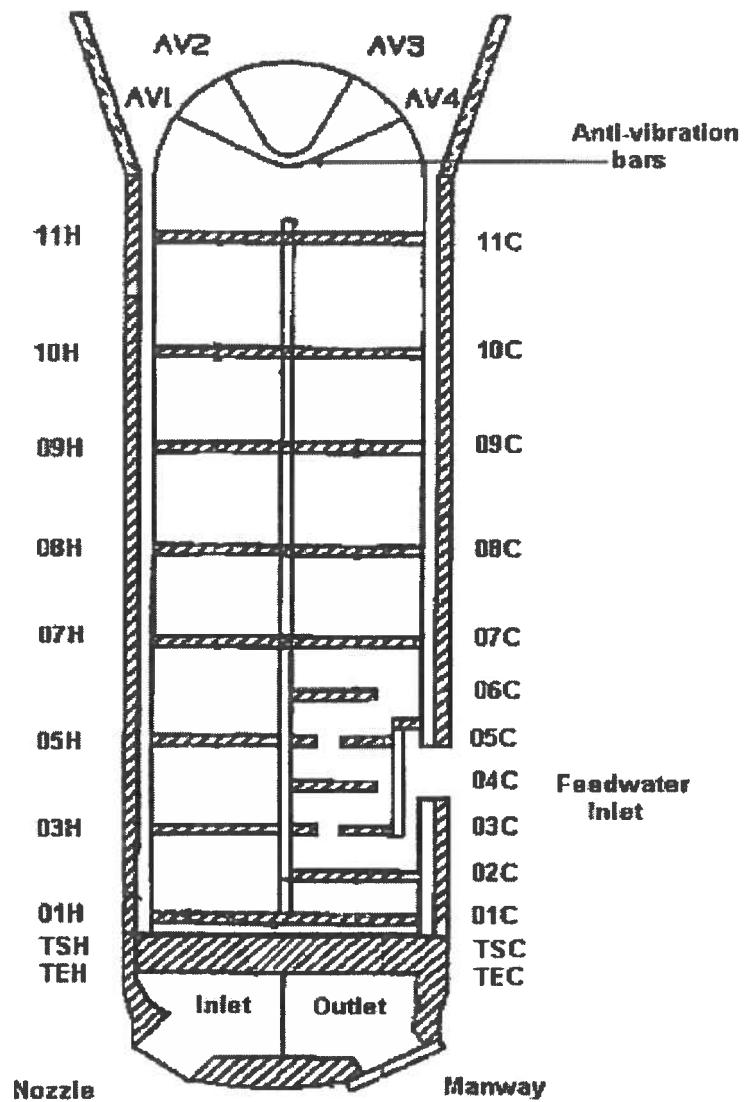
Byron Station Unit 2 did not observe any SG primary to secondary operational leakage over the preceding cycle, therefore the calculated accident leakage rate from flaws below 14.01 inches from the TTS is not quantifiable.

### **Results of Monitoring for Tube Axial Displacement (Slippage) (TS 5.6.9.j)**

All in-service tubes were monitored for tube axial displacement (slippage) in both the hot and cold leg tubesheet region in accordance with industry developed guidance for the bobbin probe. This was performed to ensure tubes had not severed within the tubesheet in regions of the tubesheet that were not inspected with X-Probe™. The absence of tube sever indications (TSI) from the entirety of the collected bobbin coil and X-Probe inspection data confirms no tubes had tube slippage.

## ATTACHMENT A

### Westinghouse Model D-5 TSP and AVB Configuration



Note: AVB bars are denoted as AV in the figure

## **ATTACHMENT B**

### **Anti-Vibration Bar (AVB) Wear Indications**

## SG - A ANTI-VIBRATION BAR WEAR INDICATIONS

Byron 2 SCR20

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ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCH	INCH1	INCH2	BEST	ENDT	PDIA	PTYPE	CAL	L	IDX	UTIL1	UTIL2
19	5	.78	0	PCT	12	P2	AV4	.29				TEC	TEH	.010	CBAFN	33	H	89
20	6	1.03	0	PCT	13	P2	AV4	-.13				TEC	TEH	.010	CBAFN	33	H	90
21	7	1.18	0	PCT	16	P2	AV2	-.05				TEC	TEH	.010	CBAFN	33	H	89
24	8	.03	0	PCT	16	P2	AV1	.29				TEC	TEH	.010	CBAFN	33	H	90
23	9	1.12	0	PCT	15	P2	AV1	.18				TEC	TEH	.010	CBAFN	33	H	91
23	9	2.22	0	PCT	24	P2	AV3	.09				TEC	TEH	.010	CBAFN	33	H	91
23	9	1.22	0	PCT	17	P2	AV4	-.07				TEC	TEH	.010	CBAFN	33	H	91
26	8	.85	0	PCT	13	P2	AV3	.02				TEC	TEH	.010	CBAFN	33	H	92
29	10	3.30	0	PCT	38	P2	AV3	.00				TEC	TEH	.010	CBAFN	33	H	67
29	11	.83	0	PCT	12	P2	AV2	.00				TEC	TEH	.010	CBAFN	33	H	80
29	11	1.20	0	PCT	16	P2	AV3	.00				TEC	TEH	.010	CBAFN	33	H	80
29	12	1.44	0	PCT	19	P2	AV2	-.23				TEC	TEH	.010	CBAFN	33	H	85
29	12	2.50	0	PCT	26	P2	AV3	-.43				TEC	TEH	.010	CBAFN	33	H	85
29	13	1.08	0	PCT	15	P2	AV3	.00				TEC	TEH	.010	CBAFN	33	H	31
31	14	2.26	0	PCT	23	P2	AV3	.02				TEC	TEH	.010	CBAFN	33	H	35
31	14	1.76	0	PCT	22	P2	AV4	.00				TEC	TEH	.010	CBAFN	33	H	35
34	14	1.84	0	PCT	23	P2	AV2	.04				TEC	TEH	.010	CBAFN	03	H	5
34	14	.79	0	PCT	13	P2	AV3	.19				TEC	TEH	.010	CBAFN	03	H	5
31	15	.06	0	PCT	9	P2	AV3	.07				TEC	TEH	.010	CBAFN	33	H	21
31	15	.07	0	PCT	10	P2	AV4	-.38				TEC	TEH	.010	CBAFN	33	H	21
33	15	1.03	0	PCT	26	P2	AV3	.00				TEC	TEH	.010	CBAFN	33	H	27
33	15	.91	0	PCT	13	P2	AV4	-.23				TEC	TEH	.010	CBAFN	33	H	27
36	15	1.21	0	PCT	17	P2	AV3	.00				TEC	TEH	.010	CBAFN	33	H	28
36	15	1.56	0	PCT	20	P2	AV4	.08				TEC	TEH	.010	CBAFN	33	H	28
35	16	3.38	0	PCT	31	P2	AV2	.97				TEC	TEH	.010	CBAFN	33	H	28
35	16	2.29	0	PCT	25	P2	AV3	.14				TEC	TEH	.010	CBAFN	33	H	28
35	16	1.27	0	PCT	18	P2	AV4	-.44				TEC	TEH	.010	CBAFN	33	H	28
37	16	1.04	0	PCT	15	P2	AV3	-.02				TEC	TEH	.010	CBAFN	33	H	29
37	16	1.54	0	PCT	26	P2	AV4	-.21				TEC	TEH	.010	CBAFN	33	H	29
38	16	1.81	0	PCT	22	P2	AV3	.07				TEC	TEH	.010	CBAFN	33	H	29
38	16	3.32	0	PCT	18	P2	AV4	.06				TEC	TEH	.010	CBAFN	33	H	29
37	17	3.37	0	PCT	31	P2	AV3	.00				TEC	TEH	.010	CBAFN	33	H	30
27	18	1.53	0	PCT	20	P2	AV1	-.10				TEC	TEH	.010	CBAFN	29	H	80
35	18	.94	0	PCT	16	P2	AV3	.17				TEC	TEH	.010	CBAFN	29	H	82
36	18	1.83	0	PCT	22	P2	AV2	.09				TEC	TEH	.010	CBAFN	33	H	33
36	18	1.92	0	PCT	23	P2	AV3	-.38				TEC	TEH	.010	CBAFN	33	H	33
37	18	1.17	0	PCT	17	P2	AV4	-.29				TEC	TEH	.010	CBAFN	31	H	99
37	18	1.00	0	PCT	15	P2	AV4	.37				TEC	TEH	.010	CBAFN	31	H	99
37	19	1.55	0	PCT	21	P2	AV1	.32				TEC	TEH	.010	CBAFN	31	H	97
37	19	2.28	0	PCT	26	P2	AV3	-.17				TEC	TEH	.010	CBAFN	31	H	97
37	19	.74	0	PCT	12	P2	AV4	.21				TEC	TEH	.010	CBAFN	31	H	97
38	19	1.22	0	PCT	18	P2	AV3	-.12				TEC	TEH	.010	CBAFN	31	H	100
38	19	1.33	0	PCT	19	P2	AV4	.08				TEC	TEH	.010	CBAFN	31	H	100
37	20	1.03	0	PCT	16	P2	AV2	-.25				TEC	TEH	.010	CBAFN	29	H	79
37	20	2.35	0	PCT	26	P2	AV3	.05				TEC	TEH	.010	CBAFN	29	H	79
38	20	3.42	0	PCT	31	P2	AV1	.27				TEC	TEH	.010	CBAFN	29	H	80
38	20	2.78	0	PCT	29	P2	AV2	.38				TEC	TEH	.010	CBAFN	29	H	80
38	20	1.69	0	PCT	21	P2	AV3	-.33				TEC	TEH	.010	CBAFN	29	H	80
38	20	2.22	0	PCT	26	P2	AV4	-.33				TEC	TEH	.010	CBAFN	29	H	80
36	21	1.13	0	PCT	17	P2	AV3	.00				TEC	TEH	.010	CBAFN	31	H	81
36	21	.62	0	PCT	11	P2	AV4	.00				TEC	TEH	.010	CBAFN	31	H	81
37	21	.92	0	PCT	14	P2	AV3	.00				TEC	TEH	.010	CBAFN	31	H	82
38	21	1.33	0	PCT	19	P2	AV1	-.03				TEC	TEH	.010	CBAFN	31	H	83
38	21	.94	0	PCT	19	P2	AV3	-.33				TEC	TEH	.010	CBAFN	31	H	83
38	21	.81	0	PCT	13	P2	AV4	.16				TEC	TEH	.010	CBAFN	31	H	83

## SG - A ANTI-VIBRATION BAR WEAR INDICATIONS

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ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCH	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTIL1	UTIL2
39	21	.96	0	PCT	15	P2	AV1	.08				TEC	TEM	.010	CBAFN	33	H	31
39	21	3.73	0	PCT	32	P2	AV3	.08				TEC	TEM	.010	CBAFN	33	H	31
39	21	1.73	0	PCT	21	P2	AV4	.08				TEC	TEM	.010	CBAFN	33	H	31
31	22	1.03	0	PCT	17	P2	AV4	-.28				TEC	TEM	.010	CBAFN	29	H	59
38	22	2.25	0	PCT	23	P2	AV2	-.20				TEC	TEM	.010	CBAFN	29	H	66
38	22	1.31	0	PCT	18	P2	AV3	-.42				TEC	TEM	.010	CBAFN	29	H	66
40	22	.97	0	PCT	16	P2	AV3	.16				TEC	TEM	.010	CBAFN	29	H	68
41	22	4.88	0	PCT	37	P2	AV2	.37				TEC	TEM	.010	CBAFN	29	H	69
37	23	2.64	0	PCT	25	P2	AV2	.30				TEC	TEM	.010	CBAFN	31	H	62
37	23	1.93	0	PCT	24	P2	AV3	-.33				TEC	TEM	.010	CBAFN	31	H	62
37	23	.98	0	PCT	14	P2	AV4	.08				TEC	TEM	.010	CBAFN	31	H	62
38	23	1.42	0	PCT	20	P2	AV1	.00				TEC	TEM	.010	CBAFN	31	H	63
38	23	.96	0	PCT	15	P2	AV2	-.32				TEC	TEM	.010	CBAFN	31	H	63
38	23	2.36	0	PCT	27	P2	AV3	.00				TEC	TEM	.010	CBAFN	31	H	63
38	23	2.07	0	PCT	25	P2	AV4	.08				TEC	TEM	.010	CBAFN	31	H	63
39	23	1.48	0	PCT	20	P2	AV2	-.37				TEC	TEM	.010	CBAFN	31	H	68
39	23	2.14	0	PCT	20	P2	AV3	.02				TEC	TEM	.010	CBAFN	31	H	68
39	23	.85	0	PCT	14	P2	AV4	-.30				TEC	TEM	.010	CBAFN	31	H	68
42	23	.64	0	PCT	12	P2	AV2	.00				TEC	TEM	.010	CBAFN	19	H	162
42	23	.85	0	PCT	14	P2	AV3	.00				TEC	TEM	.010	CBAFN	19	H	162
42	23	.62	0	PCT	11	P2	AV4	.00				TEC	TEM	.010	CBAFN	19	H	162
43	23	.78	0	PCT	14	P2	AV4	.00				TEC	TEM	.010	CBAFN	19	H	163
38	24	2.68	0	PCT	28	P2	AV2	.08				TEC	TEM	.010	CBAFN	29	H	55
38	24	1.87	0	PCT	23	P2	AV3	-.26				TEC	TEM	.010	CBAFN	29	H	55
42	24	.64	0	PCT	11	P2	AV3	-.16				TEC	TEM	.010	CBAFN	19	H	163
43	24	1.46	0	PCT	21	P2	AV4	-.31				TEC	TEM	.010	CBAFN	17	H	160
42	25	.61	0	PCT	11	P2	AV1	-.28				TEC	TEM	.010	CBAFN	31	H	49
42	25	.95	0	PCT	15	P2	AV2	-.47				TEC	TEM	.010	CBAFN	31	H	49
42	25	3.03	0	PCT	34	P2	AV3	.08				TEC	TEM	.010	CBAFN	31	H	49
42	25	1.33	0	PCT	19	P2	AV4	.08				TEC	TEM	.010	CBAFN	31	H	49
45	25	1.22	0	PCT	19	P2	AV3	.00				TEC	TEM	.010	CBAFN	19	H	164
45	25	1.19	0	PCT	18	P2	AV4	.00				TEC	TEM	.010	CBAFN	19	H	164
38	26	2.11	0	PCT	24	P2	AV2	.38				TEC	TEM	.010	CBAFN	29	H	37
38	27	.92	0	PCT	14	P2	AV3	-.28				TEC	TEM	.010	CBAFN	31	H	27
42	27	.94	0	PCT	15	P2	AV3	.17				TEC	TEM	.010	CBAFN	31	H	31
47	28	1.00	0	PCT	15	P2	AV4	.21				TEC	TEM	.010	CBAFN	29	H	14
29	29	1.48	0	PCT	21	P2	AV3	.00				TEC	TEM	.010	CBAFN	17	H	30
33	30	1.20	0	PCT	17	P2	AV3	-.33				TEC	TEM	.010	CBAFN	23	H	214
38	30	1.14	0	PCT	17	P2	AV2	.32				TEC	TEM	.010	CBAFN	23	H	219
38	30	2.43	0	PCT	26	P2	AV3	-.32				TEC	TEM	.010	CBAFN	23	H	219
38	30	.97	0	PCT	15	P2	AV4	.08				TEC	TEM	.010	CBAFN	23	H	219
37	31	.73	0	PCT	12	P2	AV2	-.18				TEC	TEM	.010	CBAFN	27	H	182
37	31	.77	0	PCT	13	P2	AV3	-.30				TEC	TEM	.010	CBAFN	27	H	182
42	32	.88	0	PCT	15	P2	AV3	.08				TEC	TEM	.010	CBAFN	23	H	200
29	33	1.33	0	PCT	20	P2	AV2	.08				TEC	TEM	.010	CBAFN	17	H	39
41	33	.92	0	PCT	15	P2	AV2	.07				TEC	TEM	.010	CBAFN	27	H	174
41	33	1.22	0	PCT	18	P2	AV3	-.44				TEC	TEM	.010	CBAFN	27	H	174
42	33	1.03	0	PCT	16	P2	AV3	-.37				TEC	TEM	.010	CBAFN	27	H	173
29	34	.87	0	PCT	15	P2	AV3	.00				TEC	TEM	.010	CBAFN	19	H	41
38	34	1.13	0	PCT	17	P2	AV2	.12				TEC	TEM	.010	CBAFN	23	H	180
38	34	1.86	0	PCT	23	P2	AV3	.08				TEC	TEM	.010	CBAFN	23	H	180
48	34	.96	0	PCT	15	P2	AV4	-.24				TEC	TEM	.010	CBAFN	23	H	189
29	35	.85	0	PCT	15	P2	AV1	.00				TEC	TEM	.010	CBAFN	17	H	32
29	35	1.33	0	PCT	20	P2	AV3	.00				TEC	TEM	.010	CBAFN	17	H	32

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCH	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTIL1	UTIL2

## SG - A ANTI-VIBRATION BAR WEAR INDICATIONS

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ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCH	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDK	UTILL	UTIL2
39	35	.92	0	PCT	15	P2	AV3	.07		TEC	TEH	.610	CBAFN	27	H	153		
37	36	.94	0	PCT	15	P2	AV4	-.31		TEC	TEH	.610	CBAFN	25	H	167		
45	36	1.07	0	PCT	16	P2	AV2	.09		TEC	TEH	.610	CBAFN	25	H	159		
46	42	.69	0	PCT	13	P2	AV2	.09		TEC	TEH	.610	CBAFN	25	H	84		
42	42	1.01	0	PCT	15	P2	AV2	-.30		TEC	TEH	.610	CBAFN	25	H	86		
48	46	1.28	0	PCT	18	P2	AV1	-.13		TEC	TEH	.610	CBAFN	25	H	39		
49	46	1.34	0	PCT	18	P2	AV2	.30		TEC	TEH	.610	CBAFN	25	H	39		
49	46	3.69	0	PCT	32	P2	AV3	.06		TEC	TEH	.610	CBAFN	25	H	39		
31	50	.89	0	PCT	15	P2	AV2	.08		TEC	TEH	.610	CBAFN	15	H	149		
25	51	1.79	0	PCT	20	P2	AV4	-.54		TEC	TEH	.610	CBAFN	13	H	158		
48	55	.89	0	PCT	14	P2	AV4	.08		TEC	TEH	.610	CBAFN	27	H	114		
42	56	2.39	0	PCT	27	P2	AV3	-.37		TEC	TEH	.610	CBAFN	25	H	29		
48	56	2.69	0	PCT	28	P2	AV3	-.31		TEC	TEH	.610	CBAFN	25	H	126		
48	56	1.64	0	PCT	21	P2	AV4	-.12		TEC	TEH	.610	CBAFN	25	H	126		
49	59	1.06	0	PCT	16	P2	AV3	-.22		TEC	TEH	.610	CBAFN	63	H	15		
49	59	.74	0	PCT	12	P2	AV4	.00		TEC	TEH	.610	CBAFN	63	H	15		
44	59	1.23	0	PCT	18	P2	AV3	.09		TEC	TEH	.610	CBAFN	63	H	11		
47	59	1.02	0	PCT	15	P2	AV1	.13		TEC	TEH	.610	CBAFN	63	H	8		
9	61	1.49	0	PCT	19	P2	AV4	.73		TEC	TEH	.610	CBAFN	93	H	18		
37	61	.97	0	PCT	15	P2	AV3	.24		TEC	TEH	.610	CBAFN	41	H	5		
42	61	.72	0	PCT	13	P2	AV1	.10		TEC	TEH	.610	CBAFN	27	H	178		
38	63	1.83	0	PCT	24	P2	AV2	.15		TEC	TEH	.610	CBAFN	57	H	161		
38	63	1.58	0	PCT	22	P2	AV3	.05		TEC	TEH	.610	CBAFN	57	H	161		
38	63	1.33	0	PCT	20	P2	AV4	.13		TEC	TEH	.610	CBAFN	57	H	161		
20	64	1.22	0	PCT	17	P2	AV1	.29		TEC	TEH	.610	CBAFN	55	H	211		
31	64	2.00	0	PCT	24	P2	AV4	-.15		TEC	TEH	.610	CBAFN	57	H	44		
46	64	1.03	0	PCT	16	P2	AV1	-.34		TEC	TEH	.610	CBAFN	59	H	159		
46	64	.68	0	PCT	12	P2	AV2	.04		TEC	TEH	.610	CBAFN	59	H	153		
46	64	3.04	0	PCT	31	P2	AV3	-.32		TEC	TEH	.610	CBAFN	59	H	153		
46	64	3.98	0	PCT	30	P2	AV4	-.42		TEC	TEH	.610	CBAFN	59	H	153		
49	65	1.28	0	PCT	19	P2	AV1	-.08		TEC	TEH	.610	CBAFN	59	H	143		
49	65	.77	0	PCT	13	P2	AV2	.16		TEC	TEH	.610	CBAFN	59	H	143		
31	67	.94	0	PCT	15	P2	AV4	.28		TEC	TEH	.610	CBAFN	59	H	20		
30	68	1.41	0	PCT	20	P2	AV2	.14		TEC	TEH	.610	CBAFN	57	H	11		
30	68	.64	0	PCT	12	P2	AV3	.02		TEC	TEH	.610	CBAFN	57	H	11		
38	69	1.12	0	PCT	17	P2	AV2	-.18		TEC	TEH	.610	CBAFN	59	H	11		
38	69	1.21	0	PCT	18	P2	AV3	-.22		TEC	TEH	.610	CBAFN	59	H	11		
37	69	1.37	0	PCT	21	P2	AV3	-.44		TEC	TEH	.610	CBAFN	57	H	131		
38	70	1.18	0	PCT	17	P2	AV2	.33		TEC	TEH	.610	CBAFN	53	H	189		
39	70	.58	0	PCT	10	P2	AV3	.27		TEC	TEH	.610	CBAFN	53	H	189		
30	70	.84	0	PCT	13	P2	AV4	.00		TEC	TEH	.610	CBAFN	53	H	189		
38	72	2.14	0	PCT	25	P2	AV3	.08		TEC	TEH	.610	CBAFN	43	H	14		
38	72	1.17	0	PCT	17	P2	AV4	.08		TEC	TEH	.610	CBAFN	43	H	14		
38	73	1.36	0	PCT	18	P2	AV2	.02		TEC	TEH	.610	CBAFN	41	H	9		
38	73	3.63	0	PCT	32	P2	AV3	.00		TEC	TEH	.610	CBAFN	41	H	9		
32	76	1.06	0	PCT	16	P2	AV3	-.02		TEC	TEH	.610	CBAFN	43	H	57		
32	79	1.35	0	PCT	18	P2	AV3	.05		TEC	TEH	.610	CBAFN	41	H	76		
32	79	1.94	0	PCT	23	P2	AV4	.27		TEC	TEH	.610	CBAFN	41	H	76		
44	79	1.00	0	PCT	15	P2	AV2	-.28		TEC	TEH	.610	CBAFN	41	H	64		
44	81	3.04	0	PCT	39	P2	AV2	.08		TEC	TEH	.610	CBAFN	41	H	96		
44	81	6.65	0	PCT	42	P2	AV3	-.02		TEC	TEH	.610	CBAFN	41	H	96		

## SG - A ANTI-VIBRATION BAR WEAR INDICATIONS

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PDW	COL	VOLTS	DEG	IND	PER	CHN	LOCH	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDK	UTILI	UTIL2
40	82	1.97	0	PCT	24	P2	AV2	.32				TEC	TEH	.610	CBAFN	43	H	127
40	82	1.31	0	PCT	19	P2	AV3	.19				TEC	TEH	.610	CBAFN	43	H	127
44	82	.78	0	PCT	13	P2	AV3	.07				TEC	TEH	.610	CBAFN	43	H	123
39	84	1.30	0	PCT	18	P2	AV2	-.39				TEC	TEH	.610	CBAFN	43	H	147
41	84	.95	0	PCT	15	P2	AV2	.32				TEC	TEH	.610	CBAFN	43	H	149
41	84	1.38	0	PCT	19	P2	AV3	.08				TEC	TEH	.610	CBAFN	43	H	149
27	85	.98	0	PCT	18	P2	AV1	.06				TEC	TEH	.610	CBAFN	51	H	5
27	85	2.85	0	PCT	31	P2	AV2	.06				TEC	TEH	.610	CBAFN	51	H	5
27	85	.94	0	PCT	18	P2	AV3	.06				TEC	TEH	.610	CBAFN	51	H	5
39	85	1.87	0	PCT	22	P2	AV2	.18				TEC	TEH	.610	CBAFN	41	H	131
39	85	1.36	0	PCT	18	P2	AV3	-.03				TEC	TEH	.610	CBAFN	41	H	131
40	85	2.14	0	PCT	24	P2	AV3	.06				TEC	TEH	.610	CBAFN	41	H	132
41	85	2.29	0	PCT	28	P2	AV2	-.18				TEC	TEH	.610	CBAFN	41	H	133
41	85	2.22	0	PCT	29	P2	AV3	.07				TEC	TEH	.610	CBAFN	41	H	133
41	85	1.13	0	PCT	17	P2	AV4	.05				TEC	TEH	.610	CBAFN	41	H	133
39	86	1.06	0	PCT	16	P2	AV3	.06				TEC	TEH	.610	CBAFN	43	H	164
41	86	1.01	0	PCT	15	P2	AV2	-.03				TEC	TEH	.610	CBAFN	43	H	187
44	88	.93	0	PCT	15	P2	AV2	.06				TEC	TEH	.610	CBAFN	43	H	190
44	88	2.70	0	PCT	29	P2	AV3	.06				TEC	TEH	.610	CBAFN	43	H	190
44	88	1.88	0	PCT	23	P2	AV4	.03				TEC	TEH	.610	CBAFN	43	H	190
34	89	.94	0	PCT	14	P2	AV2	-.33				TEC	TEH	.610	CBAFN	41	H	165
34	89	.86	0	PCT	14	P2	AV3	-.27				TEC	TEH	.610	CBAFN	41	H	165
39	89	4.40	0	PCT	35	P2	AV2	.32				TEC	TEH	.610	CBAFN	41	H	170
39	89	5.48	0	PCT	38	P2	AV3	-.12				TEC	TEH	.610	CBAFN	41	H	170
39	89	1.71	0	PCT	21	P2	AV4	.08				TEC	TEH	.610	CBAFN	41	H	170
41	89	1.23	0	PCT	17	P2	AV2	.16				TEC	TEH	.610	CBAFN	41	H	172
41	89	.75	0	PCT	12	P2	AV3	-.14				TEC	TEH	.610	CBAFN	41	H	172
43	89	1.71	0	PCT	22	P2	AV4	-.28				TEC	TEH	.610	CBAFN	41	H	176
34	90	1.56	0	PCT	22	P2	AV3	-.33				TEC	TEH	.610	CBAFN	47	H	10
40	90	1.95	0	PCT	24	P2	AV2	.06				TEC	TEH	.610	CBAFN	43	H	284
40	90	1.73	0	PCT	22	P2	AV3	-.03				TEC	TEH	.610	CBAFN	43	H	284
40	90	.92	0	PCT	14	P2	AV4	.06				TEC	TEH	.610	CBAFN	43	H	284
44	90	1.22	0	PCT	18	P2	AV2	.06				TEC	TEH	.610	CBAFN	43	H	195
44	90	3.68	0	PCT	34	P2	AV3	.02				TEC	TEH	.610	CBAFN	43	H	195
44	90	1.05	0	PCT	16	P2	AV4	-.29				TEC	TEH	.610	CBAFN	43	H	195
34	91	1.21	0	PCT	16	P2	AV3	.07				TEC	TEH	.610	CBAFN	45	H	8
40	91	2.41	0	PCT	26	P2	AV2	-.18				TEC	TEH	.610	CBAFN	41	H	183
40	91	3.44	0	PCT	31	P2	AV3	.06				TEC	TEH	.610	CBAFN	41	H	183
41	91	0.32	0	PCT	41	P2	AV2	.05				TEC	TEH	.610	CBAFN	41	H	182
41	91	1.70	0	PCT	22	P2	AV3	.01				TEC	TEH	.610	CBAFN	41	H	182
40	92	1.06	0	PCT	16	P2	AV2	-.16				TEC	TEH	.610	CBAFN	43	H	199
40	92	.93	0	PCT	15	P2	AV3	.07				TEC	TEH	.610	CBAFN	43	H	199
41	92	2.93	0	PCT	30	P2	AV2	.06				TEC	TEH	.610	CBAFN	43	H	198
41	92	1.21	0	PCT	18	P2	AV3	.15				TEC	TEH	.610	CBAFN	43	H	198
41	92	1.99	0	PCT	24	P2	AV4	-.07				TEC	TEH	.610	CBAFN	43	H	198
34	94	.79	0	PCT	14	P2	AV2	.38				TEC	TEH	.610	CBAFN	47	H	31
39	94	1.08	0	PCT	17	P2	AV1	.12				TEC	TEH	.610	CBAFN	47	H	26
39	94	1.32	0	PCT	20	P2	AV2	-.37				TEC	TEH	.610	CBAFN	47	H	26
39	94	4.33	0	PCT	38	P2	AV3	.06				TEC	TEH	.610	CBAFN	47	H	26
34	95	1.19	0	PCT	16	P2	AV2	.18				TEC	TEH	.610	CBAFN	45	H	30
36	95	1.64	0	PCT	28	P2	AV3	-.17				TEC	TEH	.610	CBAFN	45	H	28
36	95	1.15	0	PCT	19	P2	AV4	.03				TEC	TEH	.610	CBAFN	45	H	28
40	95	3.27	0	PCT	30	P2	AV1	.13				TEC	TEH	.610	CBAFN	45	H	24
40	95	5.04	0	PCT	37	P2	AV2	.06				TEC	TEH	.610	CBAFN	45	H	24
40	95	4.25	0	PCT	34	P2	AV3	-.39				TEC	TEH	.610	CBAFN	45	H	24
40	95	3.73	0	PCT	32	P2	AV4	.03				TEC	TEH	.610	CBAFN	45	H	24
36	96	1.84	0	PCT	24	P2	AV2	.10				TEC	TEH	.610	CBAFN	47	H	44

## SG - A ANTI-VIBRATION BAR WEAR INDICATIONS

Byron 2 BCR00

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ROW	COL	VOLTS	DEG	IND	PER	CHN	LUGH	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTILI	UTIL2
38	96	.72	0	PCT	13	P2	AV2	-.32		TEC	TEH	.610	CBAFN	47	H	46		
39	96	1.20	0	PCT	18	P2	AV3	-.38		TEC	TEH	.610	CBAFN	47	H	47		
39	96	.98	0	PCT	16	P2	AV4	-.32		TEC	TEH	.610	CBAFN	47	H	47		
37	98	2.64	0	PCT	29	P2	AV2	-.08		TEC	TEH	.610	CBAFN	47	H	50		
37	98	2.90	0	PCT	31	P2	AV3	.39		TEC	TEH	.610	CBAFN	47	H	50		
37	98	.55	0	PCT	11	P2	AV4	-.27		TEC	TEH	.610	CBAFN	47	H	50		
38	98	1.19	0	PCT	18	P2	AV1	.33		TEC	TEH	.610	CBAFN	47	H	48		
38	98	2.74	0	PCT	29	P2	AV2	.08		TEC	TEH	.610	CBAFN	47	H	48		
38	98	1.30	0	PCT	19	P2	AV3	.07		TEC	TEH	.610	CBAFN	47	H	48		
28	99	.93	0	PCT	16	P2	AV1	.08		TEC	TEH	.610	CBAFN	51	H	211		
32	99	1.20	0	PCT	16	P2	AV3	-.32		TEC	TEH	.610	CBAFN	45	H	48		
34	99	1.47	0	PCT	19	P2	AV3	.08		TEC	TEH	.610	CBAFN	45	H	46		
37	99	.90	0	PCT	15	P2	AV2	-.32		TEC	TEH	.610	CBAFN	47	H	49		
37	99	1.41	0	PCT	20	P2	AV3	-.02		TEC	TEH	.610	CBAFN	47	H	49		
35	100	1.06	0	PCT	17	P2	AV3	.12		TEC	TEH	.610	CBAFN	47	H	64		
31	101	2.30	0	PCT	25	P2	AV2	.08		TEC	TEH	.610	CBAFN	45	H	34		
31	101	3.32	0	PCT	31	P2	AV3	.08		TEC	TEH	.610	CBAFN	45	H	34		
33	102	.82	0	PCT	14	P2	AV4	.08		TEC	TEH	.610	CBAFN	47	H	60		
39	103	2.07	0	PCT	23	P2	AV2	.34		TEC	TEH	.610	CBAFN	45	H	62		
31	103	2.08	0	PCT	23	P2	AV2	.08		TEC	TEH	.610	CBAFN	45	H	61		
31	103	2.07	0	PCT	23	P2	AV3	.08		TEC	TEH	.610	CBAFN	45	H	61		
31	103	1.98	0	PCT	15	P2	AV4	.05		TEC	TEH	.610	CBAFN	45	H	61		
27	104	1.33	0	PCT	18	P2	AV2	-.13		TEC	TEH	.610	CBAFN	53	H	42		
28	104	.98	0	PCT	14	P2	AV4	-.22		TEC	TEH	.610	CBAFN	53	H	41		
29	104	.82	0	PCT	12	P2	AV3	-.34		TEC	TEH	.610	CBAFN	53	H	40		
30	104	1.37	0	PCT	20	P2	AV2	.31		TEC	TEH	.610	CBAFN	47	H	70		
30	104	.88	0	PCT	14	P2	AV3	-.54		TEC	TEH	.610	CBAFN	47	H	70		
28	105	1.36	0	PCT	19	P2	AV3	-.28		TEC	TEH	.610	CBAFN	53	H	41		
28	105	2.08	0	PCT	24	P2	AV4	-.02		TEC	TEH	.610	CBAFN	53	H	41	NR	
30	105	1.39	0	PCT	18	P2	AV2	-.10		TEC	TEH	.610	CBAFN	45	H	65		
24	106	.82	0	PCT	12	P2	AV4	.18		TEC	TEH	.610	CBAFN	53	H	70		
25	106	.99	0	PCT	14	P2	AV1	.34		TEC	TEH	.610	CBAFN	53	H	71		
26	106	1.13	0	PCT	16	P2	AV1	-.08		TEC	TEH	.610	CBAFN	53	H	72		
28	106	.66	0	PCT	11	P2	AV3	.08		TEC	TEH	.610	CBAFN	53	H	72		
27	106	1.94	0	PCT	23	P2	AV1	.05		TEC	TEH	.610	CBAFN	53	H	73		
27	106	1.84	0	PCT	22	P2	AV2	-.08		TEC	TEH	.610	CBAFN	53	H	73		
27	106	2.72	0	PCT	29	P2	AV3	.41		TEC	TEH	.610	CBAFN	53	H	73		
26	107	1.10	0	PCT	16	P2	AV2	-.28		TEC	TEH	.610	CBAFN	53	H	74		
26	107	1.43	0	PCT	19	P2	AV3	-.32		TEC	TEH	.610	CBAFN	53	H	74		
26	109	1.15	0	PCT	17	P2	AV4	.21		TEC	TEH	.610	CBAFN	53	H	76		
23	109	1.28	0	PCT	18	P2	AV1	.08		TEC	TEH	.610	CBAFN	53	H	75		
23	109	.78	0	PCT	13	P2	AV4	.08		TEC	TEH	.610	CBAFN	53	H	75		

## 56 - B ANTI-VIBRATION BAR WEAR INDICATIONS

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ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCH	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTILL	UTL2
21	6	.75	0	PCT	12	P2	AV4	.00				TEC	TEH	.010	CBAFN	23	H	24
23	7	.53	0	PCT	10	P2	AV4	.00				TEC	TEH	.010	CBAFN	33	H	10
23	8	.70	0	PCT	12	P2	AV2	.00				TEC	TEH	.010	CBAFN	23	H	27
23	8	.64	0	PCT	11	P2	AV3	.00				TEC	TEH	.010	CBAFN	23	H	27
27	10	.99	0	PCT	15	P2	AV1	.30				TEC	TEH	.010	CBAFN	21	H	23
28	11	.87	0	PCT	14	P2	AV2	-.05				TEC	TEH	.010	CBAFN	23	H	32
28	11	2.82	0	PCT	30	P2	AV3	.02				TEC	TEH	.010	CBAFN	23	H	32
28	11	1.20	0	PCT	18	P2	AV4	.00				TEC	TEH	.010	CBAFN	23	H	32
27	12	.55	0	PCT	10	P2	AV3	.34				TEC	TEH	.010	CBAFN	33	H	23
28	12	.76	0	PCT	12	P2	AV1	.00				TEC	TEH	.010	CBAFN	33	H	22
28	12	1.40	0	PCT	18	P2	AV2	-.09				TEC	TEH	.010	CBAFN	33	H	22
28	12	.07	0	PCT	11	P2	AV4	.00				TEC	TEH	.010	CBAFN	33	H	22
30	12	.03	0	PCT	11	P2	AV2	-.45				TEC	TEH	.010	CBAFN	33	H	20
30	12	1.00	0	PCT	15	P2	AV3	.03				TEC	TEH	.010	CBAFN	33	H	20
31	12	1.75	0	PCT	22	P2	AV1	.00				TEC	TEH	.010	CBAFN	33	H	18
31	12	3.47	0	PCT	33	P2	AV2	.03				TEC	TEH	.010	CBAFN	33	H	18
31	12	4.33	0	PCT	37	P2	AV3	.00				TEC	TEH	.010	CBAFN	33	H	18
31	12	2.19	0	PCT	25	P2	AV4	.02				TEC	TEH	.010	CBAFN	33	H	18
32	12	.70	0	PCT	12	P2	AV1	.00				TEC	TEH	.010	CBAFN	33	H	28
32	12	2.33	0	PCT	27	P2	AV2	.00				TEC	TEH	.010	CBAFN	33	H	28
32	12	.02	0	PCT	11	P2	AV3	.00				TEC	TEH	.010	CBAFN	33	H	28
32	12	.91	0	PCT	15	P2	AV4	.00				TEC	TEH	.010	CBAFN	33	H	28
29	13	.91	0	PCT	15	P2	AV3	.17				TEC	TEH	.010	CBAFN	33	H	32
30	13	.93	0	PCT	15	P2	AV3	.03				TEC	TEH	.010	CBAFN	33	H	31
30	13	.80	0	PCT	14	P2	AV4	.02				TEC	TEH	.010	CBAFN	33	H	31
31	13	.76	0	PCT	13	P2	AV1	.00				TEC	TEH	.010	CBAFN	33	H	30
31	13	.93	0	PCT	15	P2	AV2	.00				TEC	TEH	.010	CBAFN	33	H	30
31	13	.76	0	PCT	13	P2	AV3	.02				TEC	TEH	.010	CBAFN	33	H	30
31	13	.89	0	PCT	15	P2	AV4	.07				TEC	TEH	.010	CBAFN	33	H	30
33	13	1.38	0	PCT	20	P2	AV1	.17				TEC	TEH	.010	CBAFN	33	H	26
33	13	.92	0	PCT	15	P2	AV3	-.05				TEC	TEH	.010	CBAFN	33	H	26
28	14	.86	0	PCT	14	P2	AV4	.00				TEC	TEH	.010	CBAFN	23	H	118
30	14	.07	0	PCT	10	P2	AV3	.00				TEC	TEH	.010	CBAFN	33	H	31
30	14	.07	0	PCT	11	P2	AV4	.00				TEC	TEH	.010	CBAFN	33	H	31
33	14	2.31	0	PCT	27	P2	AV1	.00				TEC	TEH	.010	CBAFN	33	H	34
33	14	2.14	0	PCT	25	P2	AV2	-.02				TEC	TEH	.010	CBAFN	33	H	34
33	14	1.17	0	PCT	16	P2	AV3	.02				TEC	TEH	.010	CBAFN	33	H	34
33	14	1.12	0	PCT	16	P2	AV4	.00				TEC	TEH	.010	CBAFN	33	H	34
35	14	1.25	0	PCT	17	P2	AV1	.00				TEC	TEH	.010	CBAFN	33	H	35
35	14	1.77	0	PCT	22	P2	AV2	.00				TEC	TEH	.010	CBAFN	33	H	35
35	14	.83	0	PCT	13	P2	AV3	.02				TEC	TEH	.010	CBAFN	33	H	35
31	15	1.82	0	PCT	24	P2	AV2	-.02				TEC	TEH	.010	CBAFN	33	H	43
31	15	.74	0	PCT	13	P2	AV4	.00				TEC	TEH	.010	CBAFN	33	H	43
35	15	2.26	0	PCT	27	P2	AV2	.08				TEC	TEH	.010	CBAFN	33	H	47
31	16	.78	0	PCT	13	P2	AV1	.51				TEC	TEH	.010	CBAFN	23	H	128
31	16	1.34	0	PCT	19	P2	AV3	.13				TEC	TEH	.010	CBAFN	23	H	128
32	16	.79	0	PCT	12	P2	AV3	.00				TEC	TEH	.010	CBAFN	33	H	42
34	16	.64	0	PCT	10	P2	AV3	-.35				TEC	TEH	.010	CBAFN	33	H	40
35	16	.83	0	PCT	12	P2	AV1	.24				TEC	TEH	.010	CBAFN	33	H	39
35	16	1.39	0	PCT	20	P2	AV3	-.35				TEC	TEH	.010	CBAFN	33	H	39
36	16	1.07	0	PCT	21	P2	AV2	-.05				TEC	TEH	.010	CBAFN	33	H	38
35	16	3.22	0	PCT	32	P2	AV3	-.45				TEC	TEH	.010	CBAFN	33	H	38
36	16	1.30	0	PCT	17	P2	AV4	.19				TEC	TEH	.010	CBAFN	33	H	38
31	17	.93	0	PCT	15	P2	AV2	.07				TEC	TEH	.010	CBAFN	33	H	55
31	17	1.04	0	PCT	16	P2	AV3	.00				TEC	TEH	.010	CBAFN	33	H	55
34	17	.95	0	PCT	15	P2	AV3	.00				TEC	TEH	.010	CBAFN	33	H	52
34	17	.70	0	PCT	12	P2	AV4	.00				TEC	TEH	.010	CBAFN	33	H	52
36	17	1.48	0	PCT	21	P2	AV2	.13				TEC	TEH	.010	CBAFN	33	H	50

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCH	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTILL	UTL2
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## SG - B ANTI-VIBRATION BAR WEAR INDICATIONS

Byron 2 BCR2B

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ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCK	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDK	UTIL1	UTIL2
36	17	.93	0	PCT	15	P2	AV3	.18				TEC	TEH	.610	CBAFN	33	H	30
37	17	.98	0	PCT	16	P2	AV2	.03				TEC	TEH	.610	CBAFN	33	H	49
37	17	.91	0	PCT	15	P2	AV3	.00				TEC	TEH	.610	CBAFN	33	H	49
28	18	.67	0	PCT	11	P2	AV4	.17				TEC	TEH	.610	CBAFN	23	H	172
36	18	1.21	0	PCT	17	P2	AV2	.10				TEC	TEH	.610	CBAFN	33	H	46
36	18	1.01	0	PCT	15	P2	AV3	.02				TEC	TEH	.610	CBAFN	33	H	46
34	19	.95	0	PCT	15	P2	AV3	.10				TEC	TEH	.610	CBAFN	33	H	38
37	19	1.48	0	PCT	21	P2	AV2	-.12				TEC	TEH	.610	CBAFN	33	H	61
39	19	2.07	0	PCT	29	P2	AV2	.08				TEC	TEH	.610	CBAFN	33	H	63
39	19	2.33	0	PCT	27	P2	AV3	-.40				TEC	TEH	.610	CBAFN	33	H	63
39	19	1.11	0	PCT	17	P2	AV4	.05				TEC	TEH	.610	CBAFN	33	H	63
35	20	.96	0	PCT	14	P2	AV3	.00				TEC	TEH	.610	CBAFN	33	H	55
36	20	.00	0	PCT	10	P2	AV1	-.10				TEC	TEH	.610	CBAFN	33	H	54
36	20	1.99	0	PCT	23	P2	AV2	-.05				TEC	TEH	.610	CBAFN	33	H	54
36	20	1.84	0	PCT	15	P2	AV3	.07				TEC	TEH	.610	CBAFN	33	H	54
39	20	1.16	0	PCT	16	P2	AV2	.10				TEC	TEH	.610	CBAFN	33	H	51
40	20	2.19	0	PCT	25	P2	AV2	-.05				TEC	TEH	.610	CBAFN	33	H	50
40	20	1.61	0	PCT	21	P2	AV3	.10				TEC	TEH	.610	CBAFN	33	H	50
40	20	1.09	0	PCT	15	P2	AV4	.07				TEC	TEH	.610	CBAFN	33	H	50
39	21	1.41	0	PCT	20	P2	AV2	.07				TEC	TEH	.610	CBAFN	33	H	67
39	21	1.16	0	PCT	18	P2	AV3	-.05				TEC	TEH	.610	CBAFN	33	H	67
36	23	1.46	0	PCT	21	P2	AV2	.12				TEC	TEH	.610	CBAFN	33	H	74
40	23	.67	0	PCT	12	P2	AV4	-.38				TEC	TEH	.610	CBAFN	33	H	78
40	24	1.63	0	PCT	21	P2	AV2	.00				TEC	TEH	.610	CBAFN	33	H	70
27	25	.51	0	PCT	9	P2	AV3	.00				TEC	TEH	.610	CBAFN	21	H	294
43	25	3.33	0	PCT	33	P2	AV2	.02				TEC	TEH	.610	CBAFN	33	H	83
43	25	2.01	0	PCT	29	P2	AV3	-.02				TEC	TEH	.610	CBAFN	33	H	83
43	25	1.17	0	PCT	18	P2	AV4	-.27				TEC	TEH	.610	CBAFN	33	H	83
45	25	.65	0	PCT	10	P2	AV4	.00				TEC	TEH	.610	CBAFN	33	H	65
34	26	1.64	0	PCT	23	P2	AV3	.00				TEC	TEH	.610	CBAFN	27	H	22
35	26	.87	0	PCT	15	P2	AV2	.00				TEC	TEH	.610	CBAFN	27	H	23
39	26	1.91	0	PCT	23	P2	AV2	.00				TEC	TEH	.610	CBAFN	33	H	74
39	26	.74	0	PCT	11	P2	AV3	.00				TEC	TEH	.610	CBAFN	33	H	74
40	26	1.08	0	PCT	15	P2	AV2	.00				TEC	TEH	.610	CBAFN	33	H	75
44	26	2.70	0	PCT	28	P2	AV2	.00				TEC	TEH	.610	CBAFN	33	H	79
44	26	1.21	0	PCT	17	P2	AV3	.00				TEC	TEH	.610	CBAFN	33	H	79
45	26	2.69	0	PCT	29	P2	AV2	-.43				TEC	TEH	.610	CBAFN	33	H	82
45	26	3.77	0	PCT	35	P2	AV3	-.38				TEC	TEH	.610	CBAFN	33	H	82
45	26	1.85	0	PCT	24	P2	AV4	.10				TEC	TEH	.610	CBAFN	33	H	82
28	27	1.10	0	PCT	15	P2	AV2	.00				TEC	TEH	.610	CBAFN	23	H	18
28	27	1.22	0	PCT	10	P2	AV3	-.13				TEC	TEH	.610	CBAFN	23	H	18
39	27	1.08	0	PCT	17	P2	AV2	-.07				TEC	TEH	.610	CBAFN	33	H	91
39	27	1.35	0	PCT	20	P2	AV3	.02				TEC	TEH	.610	CBAFN	33	H	91
40	27	1.47	0	PCT	21	P2	AV3	.00				TEC	TEH	.610	CBAFN	33	H	89
40	27	.50	0	PCT	10	P2	AV4	-.13				TEC	TEH	.610	CBAFN	33	H	89
32	28	1.77	0	PCT	24	P2	AV2	.19				TEC	TEH	.610	CBAFN	27	H	34
32	28	.98	0	PCT	16	P2	AV3	.02				TEC	TEH	.610	CBAFN	27	H	34
32	28	1.14	0	PCT	18	P2	AV4	.00				TEC	TEH	.610	CBAFN	27	H	34
27	29	.98	0	PCT	14	P2	AV2	.37				TEC	TEH	.610	CBAFN	23	H	39
27	29	.77	0	PCT	13	P2	AV3	-.14				TEC	TEH	.610	CBAFN	23	H	39
28	29	.87	0	PCT	13	P2	AV2	.00				TEC	TEH	.610	CBAFN	23	H	38
28	29	1.23	0	PCT	10	P2	AV3	.00				TEC	TEH	.610	CBAFN	23	H	38
30	29	.97	0	PCT	15	P2	AV2	.00				TEC	TEH	.610	CBAFN	23	H	30
30	29	.79	0	PCT	13	P2	AV3	.00				TEC	TEH	.610	CBAFN	23	H	30

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCK	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDK	UTIL1	UTIL2
20	29																	

## SG - B ANTI-VIBRATION BAR WEAR INDICATIONS

Byron 2 SCCR00

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ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCH	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTIL1	UTIL2
39	29	.56	0	PCT	10	P2	AV3	.00				TEC	TEH	.010	CBAFN	35	H	107
41	29	.79	0	PCT	13	P2	AV3	.00				TEC	TEH	.010	CBAFN	35	H	105
43	29	1.38	0	PCT	20	P2	AV1	.00				TEC	TEH	.010	CBAFN	35	H	103
43	29	4.07	0	PCT	30	P2	AV2	.00				TEC	TEH	.010	CBAFN	35	H	103
43	29	.83	0	PCT	14	P2	AV3	.00				TEC	TEH	.010	CBAFN	35	H	103
45	29	.71	0	PCT	12	P2	AV4	.00				TEC	TEH	.010	CBAFN	35	H	101
34	30	.86	0	PCT	15	P2	AV1	-.00				TEC	TEH	.010	CBAFN	27	H	90
34	30	1.91	0	PCT	25	P2	AV3	.00				TEC	TEH	.010	CBAFN	27	H	90
34	30	.61	0	PCT	12	P2	AV4	.00				TEC	TEH	.010	CBAFN	27	H	90
27	31	.92	0	PCT	13	P2	AV3	.02				TEC	TEH	.010	CBAFN	25	H	80
27	31	1.23	0	PCT	18	P2	AV4	.00				TEC	TEH	.010	CBAFN	25	H	80
48	31	.69	0	PCT	13	P2	AV4	.00				TEC	TEH	.010	CBAFN	35	H	114
49	31	.62	0	PCT	12	P2	AV1	.00				TEC	TEH	.010	CBAFN	37	H	80
49	31	.78	0	PCT	15	P2	AV3	.05				TEC	TEH	.010	CBAFN	37	H	80
49	31	.74	0	PCT	15	P2	AV4	-.25				TEC	TEH	.010	CBAFN	37	H	80
28	32	1.00	0	PCT	17	P2	AV2	.23				TEC	TEH	.010	CBAFN	27	H	109
28	32	.85	0	PCT	15	P2	AV3	.00				TEC	TEH	.010	CBAFN	27	H	109
31	32	.91	0	PCT	16	P2	AV1	-.23				TEC	TEH	.010	CBAFN	27	H	100
31	32	.85	0	PCT	15	P2	AV2	.38				TEC	TEH	.010	CBAFN	27	H	100
32	32	.73	0	PCT	13	P2	AV1	.13				TEC	TEH	.010	CBAFN	27	H	105
32	32	1.78	0	PCT	24	P2	AV2	.39				TEC	TEH	.010	CBAFN	27	H	105
32	32	2.33	0	PCT	28	P2	AV3	-.31				TEC	TEH	.010	CBAFN	27	H	105
32	32	.98	0	PCT	18	P2	AV4	-.37				TEC	TEH	.010	CBAFN	27	H	105
35	32	.69	0	PCT	13	P2	AV2	.19				TEC	TEH	.010	CBAFN	27	H	102
43	32	1.30	0	PCT	17	P2	AV2	.00				TEC	TEH	.010	CBAFN	33	H	95
43	32	2.13	0	PCT	23	P2	AV3	.00				TEC	TEH	.010	CBAFN	33	H	95
24	33	1.62	0	PCT	20	P2	AV2	.00				TEC	TEH	.010	CBAFN	25	H	103
24	33	.95	0	PCT	13	P2	AV3	.00				TEC	TEH	.010	CBAFN	25	H	103
39	33	.77	0	PCT	11	P2	AV2	-.12				TEC	TEH	.010	CBAFN	25	H	99
39	33	1.21	0	PCT	16	P2	AV3	-.07				TEC	TEH	.010	CBAFN	25	H	99
39	33	1.62	0	PCT	14	P2	AV4	.00				TEC	TEH	.010	CBAFN	25	H	99
40	33	.61	0	PCT	11	P2	AV2	.02				TEC	TEH	.010	CBAFN	35	H	130
40	33	.87	0	PCT	14	P2	AV3	.00				TEC	TEH	.010	CBAFN	35	H	130
49	33	.57	0	PCT	11	P2	AV1	.00				TEC	TEH	.010	CBAFN	37	H	79
49	33	.68	0	PCT	12	P2	AV4	.14				TEC	TEH	.010	CBAFN	37	H	79
31	34	.70	0	PCT	15	P2	AV3	.03				TEC	TEH	.010	CBAFN	27	H	100
40	34	.69	0	PCT	13	P2	AV1	.00				TEC	TEH	.010	CBAFN	33	H	105
40	34	2.50	0	PCT	27	P2	AV2	.00				TEC	TEH	.010	CBAFN	33	H	105
42	34	.81	0	PCT	12	P2	AV2	.00				TEC	TEH	.010	CBAFN	33	H	107
40	35	.77	0	PCT	13	P2	AV3	-.07				TEC	TEH	.010	CBAFN	35	H	130
32	36	1.47	0	PCT	21	P2	AV2	.33				TEC	TEH	.010	CBAFN	27	H	106
32	36	1.44	0	PCT	21	P2	AV3	.00				TEC	TEH	.010	CBAFN	27	H	106
34	36	1.54	0	PCT	22	P2	AV2	.12				TEC	TEH	.010	CBAFN	27	H	105
34	36	.70	0	PCT	13	P2	AV3	-.07				TEC	TEH	.010	CBAFN	27	H	105
42	36	1.34	0	PCT	18	P2	AV2	-.13				TEC	TEH	.010	CBAFN	33	H	127
43	36	2.64	0	PCT	28	P2	AV3	.00				TEC	TEH	.010	CBAFN	33	H	124
43	36	3.04	0	PCT	31	P2	AV4	.00				TEC	TEH	.010	CBAFN	33	H	124
28	37	1.08	0	PCT	16	P2	AV3	.00				TEC	TEH	.010	CBAFN	29	H	172
42	37	.89	0	PCT	15	P2	AV1	.12				TEC	TEH	.010	CBAFN	35	H	101
42	37	1.65	0	PCT	24	P2	AV2	-.27				TEC	TEH	.010	CBAFN	35	H	101
42	37	2.32	0	PCT	27	P2	AV3	.37				TEC	TEH	.010	CBAFN	35	H	101
49	37	.87	0	PCT	14	P2	AV1	.00				TEC	TEH	.010	CBAFN	35	H	147
49	37	.70	0	PCT	12	P2	AV3	.03				TEC	TEH	.010	CBAFN	35	H	147
39	38	1.10	0	PCT	17	P2	AV2	-.23				TEC	TEH	.010	CBAFN	37	H	14
39	38	1.23	0	PCT	18	P2	AV3	-.05				TEC	TEH	.010	CBAFN	37	H	14
10	39	.53	0	PCT	13	P2	AV4	.20				TEC	TEH	.010	CBAFN	7	H	26

## SG - B ANTI-VIBRATION BAR WEAR INDICATIONS

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ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCH	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTILI	UTIL2
32	39	1.18	0	PCT	26	P2	AV3	.08		TEC	TEM	.610	CBAFN	39	H	21		
32	39	.78	0	PCT	16	P2	AV4	.10		TEC	TEM	.610	CBAFN	39	H	21		
34	39	1.09	0	PCT	19	P2	AV2	-.02		TEC	TEM	.610	CBAFN	39	H	19		
39	39	1.47	0	PCT	23	P2	AV2	.08		TEC	TEM	.610	CBAFN	39	H	14		
42	39	.79	0	PCT	14	P2	AV3	.10		TEC	TEM	.610	CBAFN	39	H	11		
48	39	.98	0	PCT	10	P2	AV2	.08		TEC	TEM	.610	CBAFN	39	H	6		
48	39	1.02	0	PCT	10	P2	AV3	.08		TEC	TEM	.610	CBAFN	39	H	6		
32	40	1.13	0	PCT	18	P2	AV2	.08		TEC	TEM	.610	CBAFN	39	H	45		
32	40	1.46	0	PCT	21	P2	AV3	.07		TEC	TEM	.610	CBAFN	39	H	45		
32	40	1.10	0	PCT	17	P2	AV4	.08		TEC	TEM	.610	CBAFN	39	H	45		
48	41	1.25	0	PCT	18	P2	AV2	.08		TEC	TEM	.610	CBAFN	37	H	51		
48	41	1.11	0	PCT	18	P2	AV3	-.01		TEC	TEM	.610	CBAFN	37	H	51		
32	42	.76	0	PCT	11	P2	AV3	-.10		TEC	TEM	.610	CBAFN	33	H	138		
41	43	1.61	0	PCT	23	P2	AV1	-.10		TEC	TEM	.610	CBAFN	37	H	35		
41	43	2.62	0	PCT	29	P2	AV1	.07		TEC	TEM	.610	CBAFN	37	H	35		
41	43	3.77	0	PCT	35	P2	AV3	.02		TEC	TEM	.610	CBAFN	37	H	35		
42	44	1.25	0	PCT	19	P2	AV2	.08		TEC	TEM	.610	CBAFN	39	H	50		
42	44	4.68	0	PCT	39	P2	AV3	.08		TEC	TEM	.610	CBAFN	39	H	50		
42	44	1.60	0	PCT	24	P2	AV4	.08		TEC	TEM	.610	CBAFN	39	H	50		
48	45	.91	0	PCT	15	P2	AV2	.08		TEC	TEM	.610	CBAFN	9	H	184		
44	45	.77	0	PCT	13	P2	AV2	-.02		TEC	TEM	.610	CBAFN	9	H	188		
44	45	1.68	0	PCT	22	P2	AV3	-.03		TEC	TEM	.610	CBAFN	9	H	188		
28	46	1.15	0	PCT	17	P2	AV2	.08		TEC	TEM	.610	CBAFN	9	H	170		
48	54	1.65	0	PCT	62	P2	AV2	.10		TEC	TEM	.610	CBAFN	9	H	99		
48	54	1.34	0	PCT	19	P2	AV3	.08		TEC	TEM	.610	CBAFN	9	H	99		
47	56	1.16	0	PCT	18	P2	AV1	-.10		TEC	TEM	.610	CBAFN	11	H	180		
47	56	2.61	0	PCT	29	P2	AV2	.08		TEC	TEM	.610	CBAFN	11	H	180		
48	59	1.65	0	PCT	28	P2	AV3	.08		TEC	TEM	.610	CBAFN	13	H	39		
48	59	.83	0	PCT	12	P2	AV4	.08		TEC	TEM	.610	CBAFN	13	H	39		
42	68	.92	0	PCT	16	P2	AV1	.13		TEC	TEM	.610	CBAFN	11	H	188		
42	68	1.95	0	PCT	23	P2	AV2	.08		TEC	TEM	.610	CBAFN	11	H	188		
42	68	1.96	0	PCT	23	P2	AV3	.02		TEC	TEM	.610	CBAFN	11	H	188		
42	68	.07	0	PCT	12	P2	AV4	.12		TEC	TEM	.610	CBAFN	11	H	188		
39	69	.00	0	PCT	9	P2	AV3	-.32		TEC	TEM	.610	CBAFN	13	H	71		
39	71	.79	0	PCT	11	P2	AV1	-.24		TEC	TEM	.610	CBAFN	13	H	100		
39	71	1.42	0	PCT	18	P2	AV2	.26		TEC	TEM	.610	CBAFN	13	H	100		
38	71	2.09	0	PCT	28	P2	AV3	-.33		TEC	TEM	.610	CBAFN	13	H	180		
38	71	.73	0	PCT	11	P2	AV4	-.17		TEC	TEM	.610	CBAFN	13	H	180		
33	72	2.14	0	PCT	26	P2	AV3	.08		TEC	TEM	.610	CBAFN	39	H	110		
33	72	1.07	0	PCT	17	P2	AV4	.05		TEC	TEM	.610	CBAFN	39	H	110		
40	72	.79	0	PCT	15	P2	AV3	-.35		TEC	TEM	.610	CBAFN	15	H	78		
39	76	.80	0	PCT	16	P2	AV3	.08		TEC	TEM	.610	CBAFN	39	H	127		
41	76	1.07	0	PCT	17	P2	AV1	.07		TEC	TEM	.610	CBAFN	39	H	129		
44	76	2.07	0	PCT	27	P2	AV2	-.22		TEC	TEM	.610	CBAFN	39	H	132		
44	76	1.26	0	PCT	21	P2	AV3	-.12		TEC	TEM	.610	CBAFN	39	H	132		
44	76	.97	0	PCT	18	P2	AV4	-.18		TEC	TEM	.610	CBAFN	39	H	132		
28	77	.75	0	PCT	11	P2	AV2	.23		TEC	TEM	.610	CBAFN	41	H	14		
39	77	.63	0	PCT	11	P2	AV3	.07		TEC	TEM	.610	CBAFN	37	H	151		
38	78	1.07	0	PCT	21	P2	AV3	.08		TEC	TEM	.610	CBAFN	41	H	30		
38	78	.80	0	PCT	12	P2	AV4	.08		TEC	TEM	.610	CBAFN	41	H	30		
28	79	.62	0	PCT	18	P2	AV2	.09		TEC	TEM	.610	CBAFN	41	H	21		
28	79	1.10	0	PCT	19	P2	AV3	-.39		TEC	TEM	.610	CBAFN	41	H	21		
41	79	1.34	0	PCT	18	P2	AV3	-.28		TEC	TEM	.610	CBAFN	41	H	35		
41	79	.90	0	PCT	13	P2	AV4	-.10		TEC	TEM	.610	CBAFN	41	H	35		
38	88	1.07	0	PCT	18	P2	AV3	.08		TEC	TEM	.610	CBAFN	43	H	31		

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCH	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTILI	UTIL2
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## SG - B ANTI-VIBRATION BAR WEAR INDICATIONS

Byron 2 BCR20

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ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCH	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTIL1	UTIL2
39	83	.81	0	PCT	12	P2	AV4	-.48				TEC	TEH	.610	CBAFN	41	H	88
37	83	.80	0	PCT	14	P2	AV2	-.49				TEC	TEH	.610	CBAFN	41	H	81
41	83	.52	0	PCT	16	P2	AV2	-.12				TEC	TEH	.610	CBAFN	41	H	77
45	83	1.38	0	PCT	22	P2	AV2	-.43				TEC	TEH	.610	CBAFN	41	H	73
45	83	1.09	0	PCT	28	P2	AV3	-.28				TEC	TEH	.610	CBAFN	41	H	73
45	83	1.07	0	PCT	15	P2	AV4	-.18				TEC	TEH	.610	CBAFN	41	H	73
42	84	1.17	0	PCT	19	P2	AV2	-.12				TEC	TEH	.610	CBAFN	43	H	63
42	84	1.27	0	PCT	20	P2	AV3	-.02				TEC	TEH	.610	CBAFN	43	H	63
41	85	1.15	0	PCT	17	P2	AV2	-.08				TEC	TEH	.610	CBAFN	43	H	12
44	85	1.39	0	PCT	28	P2	AV2	.38				TEC	TEH	.610	CBAFN	45	H	15
44	85	3.19	0	PCT	32	P2	AV3	.09				TEC	TEH	.610	CBAFN	45	H	15
44	85	1.01	0	PCT	22	P2	AV4	.05				TEC	TEH	.610	CBAFN	45	H	15
42	86	1.07	0	PCT	23	P2	AV2	-.07				TEC	TEH	.610	CBAFN	47	H	14
45	86	1.13	0	PCT	18	P2	AV1	-.15				TEC	TEH	.610	CBAFN	47	H	17
45	86	2.96	0	PCT	32	P2	AV2	.02				TEC	TEH	.610	CBAFN	47	H	17
45	86	1.09	0	PCT	25	P2	AV3	.37				TEC	TEH	.610	CBAFN	47	H	17
28	87	.72	0	PCT	15	P2	AV2	-.13				TEC	TEH	.610	CBAFN	49	H	23
28	87	.97	0	PCT	10	P2	AV3	-.02				TEC	TEH	.610	CBAFN	49	H	23
41	87	1.53	0	PCT	21	P2	AV1	.08				TEC	TEH	.610	CBAFN	49	H	10
41	87	2.96	0	PCT	31	P2	AV2	.08				TEC	TEH	.610	CBAFN	49	H	10
41	87	1.46	0	PCT	21	P2	AV3	.07				TEC	TEH	.610	CBAFN	49	H	10
41	87	.88	0	PCT	19	P2	AV4	.10				TEC	TEH	.610	CBAFN	49	H	10
38	88	1.02	0	PCT	23	P2	AV3	-.09				TEC	TEH	.610	CBAFN	51	H	12
39	88	1.37	0	PCT	21	P2	AV2	-.08				TEC	TEH	.610	CBAFN	51	H	10
36	89	.80	0	PCT	15	P2	AV2	-.08				TEC	TEH	.610	CBAFN	51	H	133
42	89	2.97	0	PCT	32	P2	AV1	-.10				TEC	TEH	.610	CBAFN	49	H	119
42	89	3.52	0	PCT	34	P2	AV2	-.09				TEC	TEH	.610	CBAFN	49	H	119
42	89	1.79	0	PCT	23	P2	AV3	-.09				TEC	TEH	.610	CBAFN	49	H	119
45	89	.09	0	PCT	13	P2	AV1	-.10				TEC	TEH	.610	CBAFN	49	H	123
45	89	3.24	0	PCT	33	P2	AV2	-.09				TEC	TEH	.610	CBAFN	49	H	123
45	89	1.45	0	PCT	23	P2	AV3	-.19				TEC	TEH	.610	CBAFN	49	H	123
36	90	.89	0	PCT	16	P2	AV2	-.08				TEC	TEH	.610	CBAFN	51	H	132
35	90	1.03	0	PCT	18	P2	AV3	-.03				TEC	TEH	.610	CBAFN	51	H	132
37	90	.58	0	PCT	13	P2	AV2	-.12				TEC	TEH	.610	CBAFN	49	H	114
44	90	.92	0	PCT	16	P2	AV2	-.09				TEC	TEH	.610	CBAFN	51	H	147
44	90	4.08	0	PCT	37	P2	AV3	-.09				TEC	TEH	.610	CBAFN	51	H	147
44	90	1.09	0	PCT	17	P2	AV4	-.06				TEC	TEH	.610	CBAFN	51	H	147
23	91	.81	0	PCT	16	P2	AV3	-.38				TEC	TEH	.610	CBAFN	49	H	46
40	91	1.06	0	PCT	23	P2	AV2	-.09				TEC	TEH	.610	CBAFN	51	H	144
42	91	.57	0	PCT	12	P2	AV2	-.08				TEC	TEH	.610	CBAFN	51	H	149
42	91	.81	0	PCT	15	P2	AV3	-.08				TEC	TEH	.610	CBAFN	51	H	149
42	91	.90	0	PCT	16	P2	AV4	-.15				TEC	TEH	.610	CBAFN	51	H	149
43	91	2.19	0	PCT	27	P2	AV3	-.09				TEC	TEH	.610	CBAFN	51	H	148
43	91	.73	0	PCT	14	P2	AV4	-.06				TEC	TEH	.610	CBAFN	51	H	148
38	92	.91	0	PCT	16	P2	AV4	-.09				TEC	TEH	.610	CBAFN	51	H	134
37	92	3.29	0	PCT	34	P2	AV1	.38				TEC	TEH	.610	CBAFN	49	H	187
38	92	1.08	0	PCT	18	P2	AV2	-.08				TEC	TEH	.610	CBAFN	51	H	140
38	92	.96	0	PCT	17	P2	AV3	-.08				TEC	TEH	.610	CBAFN	51	H	140
38	92	1.02	0	PCT	17	P2	AV4	-.08				TEC	TEH	.610	CBAFN	51	H	140
39	92	1.05	0	PCT	17	P2	AV3	-.08				TEC	TEH	.610	CBAFN	49	H	120
39	92	1.02	0	PCT	22	P2	AV4	-.08				TEC	TEH	.610	CBAFN	49	H	120
40	92	2.02	0	PCT	30	P2	AV3	-.44				TEC	TEH	.610	CBAFN	49	H	125
40	92	.54	0	PCT	12	P2	AV4	-.22				TEC	TEH	.610	CBAFN	49	H	125
43	92	1.90	0	PCT	23	P2	AV3	-.08				TEC	TEH	.610	CBAFN	51	H	150
37	93	.98	0	PCT	16	P2	AV2	.08				TEC	TEH	.610	CBAFN	49	H	108

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCH	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTIL1	UTIL2

## SG - B ANTI-VIBRATION BAR WEAR INDICATIONS

Byron 2 BORCO

CSE 20171901

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ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCH	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTILI	UTILE2
37	93	.74	0	PCT	36	P2	AV3	.00				TEC	TEH	.610	CBAFN	49	H	108
38	93	.05	0	PCT	13	P2	AV1	.00				TEC	TEH	.610	CBAFN	51	H	155
38	93	.97	0	PCT	17	P2	AV2	.00				TEC	TEH	.610	CBAFN	51	H	155
38	93	1.41	0	PCT	21	P2	AV3	-.25				TEC	TEH	.610	CBAFN	51	H	155
38	93	1.11	0	PCT	18	P2	AV4	.00				TEC	TEH	.610	CBAFN	51	H	155
39	93	1.07	0	PCT	18	P2	AV2	.00				TEC	TEH	.610	CBAFN	51	H	154
39	93	1.00	0	PCT	23	P2	AV3	.02				TEC	TEH	.610	CBAFN	51	H	154
39	93	.88	0	PCT	16	P2	AV4	.00				TEC	TEH	.610	CBAFN	51	H	154
41	93	.99	0	PCT	17	P2	AV1	.00				TEC	TEH	.610	CBAFN	51	H	152
41	93	1.71	0	PCT	24	P2	AV2	.00				TEC	TEH	.610	CBAFN	51	H	152
41	93	2.06	0	PCT	30	P2	AV3	-.31				TEC	TEH	.610	CBAFN	51	H	152
41	93	1.71	0	PCT	24	P2	AV4	.00				TEC	TEH	.610	CBAFN	51	H	152
43	93	.83	0	PCT	15	P2	AV4	.00				TEC	TEH	.610	CBAFN	51	H	151
36	94	1.04	0	PCT	23	P2	AV2	.00				TEC	TEH	.610	CBAFN	51	H	136
36	94	.71	0	PCT	14	P2	AV3	.00				TEC	TEH	.610	CBAFN	51	H	136
36	94	.90	0	PCT	16	P2	AV4	-.35				TEC	TEH	.610	CBAFN	51	H	136
37	94	.80	0	PCT	16	P2	AV2	.00				TEC	TEH	.610	CBAFN	49	H	109
37	94	.82	0	PCT	14	P2	AV3	.00				TEC	TEH	.610	CBAFN	49	H	109
39	94	1.26	0	PCT	21	P2	AV2	.07				TEC	TEH	.610	CBAFN	49	H	127
39	94	3.17	0	PCT	33	P2	AV3	-.29				TEC	TEH	.610	CBAFN	49	H	127
39	94	1.22	0	PCT	18	P2	AV4	.00				TEC	TEH	.610	CBAFN	49	H	127
40	94	3.08	0	PCT	32	P2	AV2	.00				TEC	TEH	.610	CBAFN	49	H	129
33	95	.93	0	PCT	17	P2	AV3	.03				TEC	TEH	.610	CBAFN	49	H	58
34	95	.71	0	PCT	15	P2	AV3	.13				TEC	TEH	.610	CBAFN	49	H	57
38	95	3.09	0	PCT	35	P2	AV1	.00				TEC	TEH	.610	CBAFN	51	H	130
38	95	1.77	0	PCT	24	P2	AV2	-.13				TEC	TEH	.610	CBAFN	51	H	130
38	95	1.93	0	PCT	25	P2	AV3	.00				TEC	TEH	.610	CBAFN	51	H	130
38	95	1.77	0	PCT	24	P2	AV4	.00				TEC	TEH	.610	CBAFN	51	H	130
39	95	1.59	0	PCT	22	P2	AV2	.00				TEC	TEH	.610	CBAFN	49	H	128
39	95	1.49	0	PCT	21	P2	AV3	.00				TEC	TEH	.610	CBAFN	49	H	128
39	95	1.49	0	PCT	21	P2	AV4	.00				TEC	TEH	.610	CBAFN	49	H	128
40	95	.90	0	PCT	15	P2	AV3	.00				TEC	TEH	.610	CBAFN	49	H	130
40	95	1.02	0	PCT	18	P2	AV4	-.40				TEC	TEH	.610	CBAFN	49	H	130
41	95	1.84	0	PCT	21	P2	AV1	-.18				TEC	TEH	.610	CBAFN	87	H	0
41	95	3.79	0	PCT	34	P2	AV2	-.03				TEC	TEH	.610	CBAFN	87	H	0
41	95	2.35	0	PCT	25	P2	AV3	-.34				TEC	TEH	.610	CBAFN	87	H	0
35	96	1.58	0	PCT	23	P2	AV3	.00				TEC	TEH	.610	CBAFN	51	H	120
38	96	2.34	0	PCT	28	P2	AV1	.00				TEC	TEH	.610	CBAFN	51	H	137
38	96	1.84	0	PCT	25	P2	AV2	.00				TEC	TEH	.610	CBAFN	51	H	137
38	96	1.19	0	PCT	19	P2	AV3	-.17				TEC	TEH	.610	CBAFN	51	H	137
38	96	2.89	0	PCT	31	P2	AV4	-.05				TEC	TEH	.610	CBAFN	51	H	137
29	97	1.80	0	PCT	19	P2	AV4	.07				TEC	TEH	.610	CBAFN	49	H	71
33	97	2.43	0	PCT	29	P2	AV3	.35				TEC	TEH	.610	CBAFN	48	H	75
35	97	.64	0	PCT	13	P2	AV2	.00				TEC	TEH	.610	CBAFN	51	H	113
35	97	3.24	0	PCT	33	P2	AV3	.00				TEC	TEH	.610	CBAFN	51	H	113
35	97	.98	0	PCT	17	P2	AV4	.00				TEC	TEH	.610	CBAFN	51	H	113
28	98	.68	0	PCT	14	P2	AV4	.00				TEC	TEH	.610	CBAFN	63	H	15
29	98	1.19	0	PCT	19	P2	AV2	.00				TEC	TEH	.610	CBAFN	51	H	70
29	98	1.04	0	PCT	18	P2	AV4	-.13				TEC	TEH	.610	CBAFN	51	H	70
31	98	1.23	0	PCT	20	P2	AV3	-.14				TEC	TEH	.610	CBAFN	51	H	73
32	98	.56	0	PCT	13	P2	AV4	-.04				TEC	TEH	.610	CBAFN	51	H	73
33	98	1.86	0	PCT	18	P2	AV2	-.03				TEC	TEH	.610	CBAFN	51	H	74
33	98	1.77	0	PCT	24	P2	AV3	.00				TEC	TEH	.610	CBAFN	51	H	74
33	98	.78	0	PCT	15	P2	AV4	-.10				TEC	TEH	.610	CBAFN	51	H	74
35	98	1.58	0	PCT	23	P2	AV1	.00				TEC	TEH	.610	CBAFN	51	H	114
35	98	.89	0	PCT	16	P2	AV2	.00				TEC	TEH	.610	CBAFN	51	H	114
35	98	1.11	0	PCT	18	P2	AV3	.00				TEC	TEH	.610	CBAFN	51	H	114
35	98	1.45	0	PCT	22	P2	AV4	.00				TEC	TEH	.610	CBAFN	51	H	114
28	99	.84	0	PCT	16	P2	AV2	.00				TEC	TEH	.610	CBAFN	49	H	83
28	99	.73	0	PCT	15	P2	AV4	-.34				TEC	TEH	.610	CBAFN	49	H	83

## SG - B ANTI-VIBRATION BAR WEAR INDICATIONS

Byron 2 SORCB

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ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCH	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTIL1	UTIL2
29	99	.85	0	PCT	16	P2	AV4	.15				TEC	TEH	.610	CBAFN	49	H	82
30	99	1.09	0	PCT	19	P2	AV3	.09				TEC	TEH	.610	CBAFN	49	H	81
32	99	1.29	0	PCT	19	P2	AV3	.03				TEC	TEH	.610	CBAFN	49	H	79
33	99	1.04	0	PCT	19	P2	AV1	-.26				TEC	TEH	.610	CBAFN	49	H	78
33	99	1.92	0	PCT	20	P2	AV2	.02				TEC	TEH	.610	CBAFN	49	H	78
33	99	1.52	0	PCT	23	P2	AV3	.03				TEC	TEH	.610	CBAFN	49	H	78
33	99	.73	0	PCT	15	P2	AV4	.20				TEC	TEH	.610	CBAFN	49	H	78
34	99	.97	0	PCT	16	P2	AV3	.03				TEC	TEH	.610	CBAFN	49	H	77
34	99	.58	0	PCT	13	P2	AV4	.05				TEC	TEH	.610	CBAFN	49	H	77
33	99	.71	0	PCT	14	P2	AV2	.09				TEC	TEH	.610	CBAFN	51	H	113
33	99	1.19	0	PCT	19	P2	AV3	.09				TEC	TEH	.610	CBAFN	51	H	113
33	99	1.27	0	PCT	20	P2	AV4	.09				TEC	TEH	.610	CBAFN	51	H	113
29	100	.87	0	PCT	16	P2	AV2	.09				TEC	TEH	.610	CBAFN	51	H	79
31	100	.92	0	PCT	16	P2	AV2	.09				TEC	TEH	.610	CBAFN	51	H	77
32	100	.66	0	PCT	14	P2	AV3	.13				TEC	TEH	.610	CBAFN	51	H	76
34	100	1.36	0	PCT	21	P2	AV3	.09				TEC	TEH	.610	CBAFN	51	H	119
34	100	1.61	0	PCT	17	P2	AV4	.27				TEC	TEH	.610	CBAFN	51	H	119
35	100	1.70	0	PCT	24	P2	AV2	.09				TEC	TEH	.610	CBAFN	51	H	110
35	100	1.28	0	PCT	20	P2	AV3	-.12				TEC	TEH	.610	CBAFN	51	H	110
35	100	1.87	0	PCT	25	P2	AV4	.09				TEC	TEH	.610	CBAFN	51	H	110
36	101	1.34	0	PCT	28	P2	AV1	.09				TEC	TEH	.610	CBAFN	49	H	92
39	101	.73	0	PCT	15	P2	AV2	-.16				TEC	TEH	.610	CBAFN	49	H	92
38	101	.58	0	PCT	13	P2	AV4	.24				TEC	TEH	.610	CBAFN	48	H	92
35	101	3.85	0	PCT	36	P2	AV3	.09				TEC	TEH	.610	CBAFN	51	H	117
35	101	2.30	0	PCT	28	P2	AV4	.09				TEC	TEH	.610	CBAFN	51	H	117
28	102	1.34	0	PCT	23	P2	AV3	-.03				TEC	TEH	.610	CBAFN	51	H	89
30	102	2.37	0	PCT	30	P2	AV2	.09				TEC	TEH	.610	CBAFN	51	H	91
38	102	1.22	0	PCT	29	P2	AV3	.30				TEC	TEH	.610	CBAFN	51	H	91
38	102	.88	0	PCT	16	P2	AV4	.09				TEC	TEH	.610	CBAFN	51	H	91
31	102	1.42	0	PCT	22	P2	AV3	.03				TEC	TEH	.610	CBAFN	51	H	92
34	102	.94	0	PCT	17	P2	AV4	.03				TEC	TEH	.610	CBAFN	51	H	118
25	103	1.78	0	PCT	25	P2	AV2	.33				TEC	TEH	.610	CBAFN	49	H	102
28	103	1.16	0	PCT	18	P2	AV1	.09				TEC	TEH	.610	CBAFN	49	H	99
28	103	1.00	0	PCT	16	P2	AV2	.09				TEC	TEH	.610	CBAFN	49	H	99
28	103	1.68	0	PCT	23	P2	AV3	.09				TEC	TEH	.610	CBAFN	49	H	99
25	104	1.34	0	PCT	21	P2	AV2	-.16				TEC	TEH	.610	CBAFN	51	H	100
28	104	1.91	0	PCT	25	P2	AV2	.42				TEC	TEH	.610	CBAFN	51	H	97
28	104	1.64	0	PCT	23	P2	AV3	.06				TEC	TEH	.610	CBAFN	51	H	97
26	105	1.94	0	PCT	26	P2	AV3	-.31				TEC	TEH	.610	CBAFN	49	H	104
27	105	.98	0	PCT	18	P2	AV1	-.07				TEC	TEH	.610	CBAFN	49	H	105
27	105	2.32	0	PCT	27	P2	AV2	.06				TEC	TEH	.610	CBAFN	49	H	105
27	105	2.09	0	PCT	26	P2	AV3	.06				TEC	TEH	.610	CBAFN	49	H	105
27	105	1.86	0	PCT	17	P2	AV4	.06				TEC	TEH	.610	CBAFN	49	H	105
29	105	1.73	0	PCT	23	P2	AV2	.06				TEC	TEH	.610	CBAFN	48	H	106
29	105	1.70	0	PCT	25	P2	AV4	.07				TEC	TEH	.610	CBAFN	48	H	106
39	105	2.61	0	PCT	38	P2	AV4	.09				TEC	TEH	.610	CBAFN	51	H	107
23	106	.93	0	PCT	13	P2	AV2	.11				TEC	TEH	.610	CBAFN	51	H	96
24	106	1.66	0	PCT	18	P2	AV2	.09				TEC	TEH	.610	CBAFN	51	H	102
25	106	.84	0	PCT	13	P2	AV2	-.27				TEC	TEH	.610	CBAFN	51	H	103
25	106	.89	0	PCT	16	P2	AV4	.05				TEC	TEH	.610	CBAFN	51	H	103
23	107	.69	0	PCT	13	P2	AV3	.06				TEC	TEH	.610	CBAFN	51	H	103
24	107	1.23	0	PCT	16	P2	AV2	.08				TEC	TEH	.610	CBAFN	51	H	104
24	107	1.19	0	PCT	16	P2	AV3	-.41				TEC	TEH	.610	CBAFN	51	H	104
25	107	1.42	0	PCT	21	P2	AV2	.38				TEC	TEH	.610	CBAFN	51	H	110

ROW COL VOLTS DEG IND PER CHN LOCH INCH1 INCH2 BEGT ENDT PDIA PTYPE CAL L IDX UTIL1 UTIL2

## SG - B ANTI-VIBRATION BAR WEAR INDICATIONS

Byron 2 BCR38

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ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTIL1	UTIL2
23	107	1.56	0	PCT	23	P2	AV3	.00		TEC	TEM	.610	CSAFN	51	H	110		
26	107	1.11	0	PCT	18	P2	AV2	.08		TEC	TEM	.610	CSAFN	51	H	109		
23	108	2.95	0	PCT	32	P2	AV2	.00		TEC	TEM	.610	CSAFN	63	H	134		
23	108	.82	0	PCT	19	P2	AV3	.41		TEC	TEM	.610	CSAFN	63	H	134		
24	108	1.81	0	PCT	22	P2	AV4	.00		TEC	TEM	.610	CSAFN	61	H	133		
23	108	.79	0	PCT	15	P2	AV2	.00		TEC	TEM	.610	CSAFN	51	H	111		
23	108	.81	0	PCT	15	P2	AV3	.03		TEC	TEM	.610	CSAFN	51	H	111		
23	108	2.20	0	PCT	27	P2	AV4	.00		TEC	TEM	.610	CSAFN	51	H	111		
22	109	.73	0	PCT	14	P2	AV1	.05		TEC	TEM	.610	CSAFN	63	H	136		
21	110	.02	0	PCT	13	P2	AV4	.03		TEC	TEM	.610	CSAFN	63	H	139		
ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTIL1	UTIL2

## SG - C ANTI-VIBRATION BAR WEAR INDICATIONS

Byron 2 B2R20

CSE 28171001

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ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCH	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTIL1	UTIL2
21	6	.84	0	PCT	13	P2	AV1	.11				TEC	TEH	.610	CBAFN	59	H	227
22	5	1.28	0	PCT	19	P2	AV1	.09				TEC	TEH	.610	CBAFN	59	H	228
22	6	1.14	0	PCT	18	P2	AV4	.09				TEC	TEH	.610	CBAFN	59	H	228
23	6	1.81	0	PCT	24	P2	AV4	-.05				TEC	TEH	.610	CBAFN	57	H	188
26	8	1.07	0	PCT	18	P2	AV2	-.38				TEC	TEH	.610	CBAFN	61	H	14
26	8	.82	0	PCT	15	P2	AV3	-.32				TEC	TEH	.610	CBAFN	61	H	14
26	9	1.10	0	PCT	18	P2	AV2	.29				TEC	TEH	.610	CBAFN	61	H	13
26	9	1.43	0	PCT	21	P2	AV3	.17				TEC	TEH	.610	CBAFN	61	H	13
26	9	2.12	0	PCT	26	P2	AV4	-.37				TEC	TEH	.610	CBAFN	61	H	13
27	11	.76	0	PCT	14	P2	AV3	.02				TEC	TEH	.610	CBAFN	63	H	12
29	11	1.15	0	PCT	19	P2	AV1	.44				TEC	TEH	.610	CBAFN	63	H	17
31	12	.82	0	PCT	13	P2	AV3	-.41				TEC	TEH	.610	CBAFN	63	H	21
26	13	.75	0	PCT	13	P2	AV2	.03				TEC	TEH	.610	CBAFN	59	H	212
32	13	1.43	0	PCT	21	P2	AV2	-.08				TEC	TEH	.610	CBAFN	61	H	36
32	13	1.73	0	PCT	24	P2	AV3	-.29				TEC	TEH	.610	CBAFN	61	H	36
31	14	1.06	0	PCT	17	P2	AV1	.22				TEC	TEH	.610	CBAFN	41	H	152
31	14	1.58	0	PCT	22	P2	AV3	-.69				TEC	TEH	.610	CBAFN	41	H	152
34	15	.57	0	PCT	11	P2	AV2	-.05				TEC	TEH	.610	CBAFN	43	H	173
33	16	1.23	0	PCT	19	P2	AV3	-.39				TEC	TEH	.610	CBAFN	41	H	161
38	16	1.74	0	PCT	23	P2	AV1	.27				TEC	TEH	.610	CBAFN	41	H	156
38	16	1.19	0	PCT	18	P2	AV2	-.16				TEC	TEH	.610	CBAFN	41	H	156
38	17	.66	0	PCT	13	P2	AV2	-.27				TEC	TEH	.610	CBAFN	43	H	185
38	17	1.06	0	PCT	18	P2	AV3	-.37				TEC	TEH	.610	CBAFN	43	H	185
38	17	.94	0	PCT	16	P2	AV3	-.38				TEC	TEH	.610	CBAFN	43	H	179
37	17	1.23	0	PCT	19	P2	AV1	-.22				TEC	TEH	.610	CBAFN	43	H	178
37	17	1.29	0	PCT	20	P2	AV3	-.09				TEC	TEH	.610	CBAFN	43	H	178
26	18	.85	0	PCT	14	P2	AV3	.12				TEC	TEH	.610	CBAFN	41	H	199
33	18	1.29	0	PCT	20	P2	AV2	-.03				TEC	TEH	.610	CBAFN	45	H	9
33	19	.94	0	PCT	18	P2	AV2	.19				TEC	TEH	.610	CBAFN	47	H	8
35	19	1.06	0	PCT	18	P2	AV3	-.29				TEC	TEH	.610	CBAFN	47	H	8
36	19	.97	0	PCT	17	P2	AV2	-.48				TEC	TEH	.610	CBAFN	47	H	9
38	19	2.14	0	PCT	27	P2	AV3	.29				TEC	TEH	.610	CBAFN	47	H	9
39	19	1.05	0	PCT	17	P2	AV2	.03				TEC	TEH	.610	CBAFN	47	H	13
39	19	3.12	0	PCT	32	P2	AV3	-.49				TEC	TEH	.610	CBAFN	47	H	13
36	20	.89	0	PCT	18	P2	AV2	-.13				TEC	TEH	.610	CBAFN	45	H	17
36	20	1.67	0	PCT	18	P2	AV3	-.36				TEC	TEH	.610	CBAFN	45	H	17
37	20	.81	0	PCT	13	P2	AV2	-.08				TEC	TEH	.610	CBAFN	45	H	16
39	20	1.17	0	PCT	19	P2	AV2	.19				TEC	TEH	.610	CBAFN	45	H	14
38	21	2.26	0	PCT	27	P2	AV3	-.15				TEC	TEH	.610	CBAFN	47	H	26
38	21	.88	0	PCT	14	P2	AV3	.09				TEC	TEH	.610	CBAFN	47	H	18
48	21	3.27	0	PCT	33	P2	AV2	-.16				TEC	TEH	.610	CBAFN	47	H	16
48	21	1.26	0	PCT	20	P2	AV3	-.44				TEC	TEH	.610	CBAFN	47	H	16
42	21	.98	0	PCT	17	P2	AV2	-.37				TEC	TEH	.610	CBAFN	47	H	15
42	21	.82	0	PCT	15	P2	AV3	-.41				TEC	TEH	.610	CBAFN	47	H	15
35	22	1.33	0	PCT	20	P2	AV1	.39				TEC	TEH	.610	CBAFN	45	H	67
35	22	1.87	0	PCT	25	P2	AV3	-.36				TEC	TEH	.610	CBAFN	45	H	67
36	22	.98	0	PCT	17	P2	AV2	.09				TEC	TEH	.610	CBAFN	45	H	68
36	22	1.22	0	PCT	19	P2	AV3	.04				TEC	TEH	.610	CBAFN	45	H	68
38	22	1.83	0	PCT	23	P2	AV1	.43				TEC	TEH	.610	CBAFN	45	H	70
38	22	.80	0	PCT	15	P2	AV2	-.11				TEC	TEH	.610	CBAFN	45	H	70
38	22	1.41	0	PCT	21	P2	AV3	.09				TEC	TEH	.610	CBAFN	45	H	70
38	23	.75	0	PCT	13	P2	AV2	.03				TEC	TEH	.610	CBAFN	41	H	142

## SG - C ANTI-VIBRATION BAR WEAR INDICATIONS

Byron 2 BCR00

CBE 20171001

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RDW	COL	VOLTS	DEG	IND	PER	CHN	LOCH	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTIL1	UTIL2
37	23	1.02	0	PCT	17	P2	AV2	.08				TEC	TEH	.610	CBAFN	47	H	68
37	23	.88	0	PCT	15	P2	AV3	.07				TEC	TEH	.610	CBAFN	47	H	68
42	23	1.35	0	PCT	20	P2	AV3	-.03				TEC	TEH	.610	CBAFN	47	H	72
38	24	.86	0	PCT	15	P2	AV1	-.38				TEC	TEH	.610	CBAFN	47	H	84
38	24	0.34	0	PCT	20	P2	AV3	.07				TEC	TEH	.610	CBAFN	47	H	84
35	25	.63	0	PCT	12	P2	AV1	.08				TEC	TEH	.610	CBAFN	47	H	80
35	25	1.79	0	PCT	24	P2	AV2	-.08				TEC	TEH	.610	CBAFN	47	H	80
35	25	1.44	0	PCT	21	P2	AV3	.03				TEC	TEH	.610	CBAFN	47	H	80
36	25	1.32	0	PCT	22	P2	AV2	-.21				TEC	TEH	.610	CBAFN	47	H	85
38	25	.99	0	PCT	17	P2	AV1	-.10				TEC	TEH	.610	CBAFN	47	H	82
38	25	1.57	0	PCT	22	P2	AV2	-.20				TEC	TEH	.610	CBAFN	47	H	82
38	25	1.12	0	PCT	18	P2	AV3	-.13				TEC	TEH	.610	CBAFN	47	H	82
39	25	1.27	0	PCT	20	P2	AV1	.13				TEC	TEH	.610	CBAFN	47	H	81
39	25	1.10	0	PCT	18	P2	AV2	.13				TEC	TEH	.610	CBAFN	47	H	81
42	25	1.68	0	PCT	24	P2	AV3	.09				TEC	TEH	.610	CBAFN	45	H	78
39	26	.84	0	PCT	13	P2	AV3	-.43				TEC	TEH	.610	CBAFN	45	H	132
41	26	1.01	0	PCT	17	P2	AV2	.33				TEC	TEH	.610	CBAFN	45	H	134
41	26	1.25	0	PCT	20	P2	AV3	.33				TEC	TEH	.610	CBAFN	45	H	134
34	27	2.33	0	PCT	28	P2	AV2	-.49				TEC	TEH	.610	CBAFN	47	H	131
34	27	1.01	0	PCT	17	P2	AV3	-.03				TEC	TEH	.610	CBAFN	47	H	131
36	27	1.16	0	PCT	19	P2	AV3	-.07				TEC	TEH	.610	CBAFN	47	H	133
39	27	.63	0	PCT	12	P2	AV1	.11				TEC	TEH	.610	CBAFN	47	H	136
41	27	1.27	0	PCT	20	P2	AV2	-.03				TEC	TEH	.610	CBAFN	47	H	138
31	28	.71	0	PCT	14	P2	AV2	.23				TEC	TEH	.610	CBAFN	45	H	152
32	28	.99	0	PCT	17	P2	AV2	-.16				TEC	TEH	.610	CBAFN	45	H	151
32	28	.77	0	PCT	14	P2	AV3	.13				TEC	TEH	.610	CBAFN	45	H	151
36	28	.85	0	PCT	19	P2	AV3	.07				TEC	TEH	.610	CBAFN	45	H	147
29	29	1.06	0	PCT	18	P2	AV2	.37				TEC	TEH	.610	CBAFN	47	H	163
29	29	1.20	0	PCT	19	P2	AV3	-.32				TEC	TEH	.610	CBAFN	47	H	163
29	29	.69	0	PCT	13	P2	AV4	.18				TEC	TEH	.610	CBAFN	47	H	163
34	29	1.40	0	PCT	21	P2	AV2	-.21				TEC	TEH	.610	CBAFN	47	H	158
34	29	1.24	0	PCT	19	P2	AV3	.04				TEC	TEH	.610	CBAFN	47	H	158
41	29	.95	0	PCT	16	P2	AV2	-.32				TEC	TEH	.610	CBAFN	47	H	151
41	29	1.04	0	PCT	17	P2	AV3	-.30				TEC	TEH	.610	CBAFN	47	H	151
42	29	1.03	0	PCT	17	P2	AV1	-.53				TEC	TEH	.610	CBAFN	47	H	150
42	29	1.12	0	PCT	18	P2	AV2	.12				TEC	TEH	.610	CBAFN	47	H	150
42	29	2.03	0	PCT	20	P2	AV3	.24				TEC	TEH	.610	CBAFN	47	H	150
29	30	.94	0	PCT	16	P2	AV2	.08				TEC	TEH	.610	CBAFN	45	H	179
33	30	1.45	0	PCT	21	P2	AV2	.29				TEC	TEH	.610	CBAFN	47	H	203
43	30	.84	0	PCT	18	P2	AV3	-.33				TEC	TEH	.610	CBAFN	48	H	10
27	34	.94	0	PCT	15	P2	AV3	.07				TEC	TEH	.610	CBAFN	53	H	96
37	34	1.13	0	PCT	20	P2	AV3	.08				TEC	TEH	.610	CBAFN	49	H	57
43	34	1.34	0	PCT	23	P2	AV3	-.37				TEC	TEH	.610	CBAFN	48	H	63
28	35	.99	0	PCT	16	P2	AV3	.08				TEC	TEH	.610	CBAFN	53	H	92
28	35	1.23	0	PCT	18	P2	AV4	.12				TEC	TEH	.610	CBAFN	53	H	92
30	35	1.58	0	PCT	22	P2	AV3	-.19				TEC	TEH	.610	CBAFN	51	H	48
39	35	.96	0	PCT	16	P2	AV1	-.18				TEC	TEH	.610	CBAFN	51	H	57
39	35	3.32	0	PCT	33	P2	AV2	-.05				TEC	TEH	.610	CBAFN	51	H	57
39	35	3.19	0	PCT	32	P2	AV3	.02				TEC	TEH	.610	CBAFN	51	H	57
46	35	1.09	0	PCT	17	P2	AV2	.03				TEC	TEH	.610	CBAFN	51	H	64
31	36	1.00	0	PCT	19	P2	AV2	-.31				TEC	TEH	.610	CBAFN	49	H	78
43	36	1.89	0	PCT	24	P2	AV3	-.24				TEC	TEH	.610	CBAFN	41	H	8
43	36	1.29	0	PCT	19	P2	AV4	-.33				TEC	TEH	.610	CBAFN	41	H	8

## SG - C ANTI-VIBRATION BAR WEAR INDICATIONS

Byron 2 82R20

CSE 29171901

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ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCH	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTIL1	UTIL2
29	38	1.17	0	PCT	18	P2	AV3	-.15		TEC	TEH	.610	CBAFN	53	H	38		
39	38	.91	0	PCT	18	P2	AV2	.27		TEC	TEH	.610	CBAFN	49	H	83		
39	38	1.18	0	PCT	23	P2	AV3	.09		TEC	TEH	.610	CBAFN	49	H	83		
33	39	1.07	0	PCT	18	P2	AV2	-.18		TEC	TEH	.610	CBAFN	53	H	34		
33	39	1.34	0	PCT	20	P2	AV3	-.34		TEC	TEH	.610	CBAFN	53	H	34		
29	40	.84	0	PCT	14	P2	AV2	.08		TEC	TEH	.610	CBAFN	55	H	31		
29	40	.90	0	PCT	15	P2	AV3	.02		TEC	TEH	.610	CBAFN	55	H	31		
39	40	.79	0	PCT	14	P2	AV2	-.29		TEC	TEH	.610	CBAFN	51	H	90		
39	40	1.01	0	PCT	16	P2	AV3	-.29		TEC	TEH	.610	CBAFN	51	H	90		
29	41	.89	0	PCT	15	P2	AV2	.22		TEC	TEH	.610	CBAFN	53	H	29		
31	42	.71	0	PCT	13	P2	AV2	.05		TEC	TEH	.610	CBAFN	51	H	187		
36	42	1.16	0	PCT	20	P2	AV3	.08		TEC	TEH	.610	CBAFN	49	H	85		
29	43	1.72	0	PCT	25	P2	AV4	.09		TEC	TEH	.610	CBAFN	49	H	170		
29	44	.81	0	PCT	14	P2	AV1	-.23		TEC	TEH	.610	CBAFN	51	H	112		
29	44	1.03	0	PCT	16	P2	AV2	.36		TEC	TEH	.610	CBAFN	51	H	112		
29	44	.97	0	PCT	16	P2	AV3	-.31		TEC	TEH	.610	CBAFN	51	H	112		
31	48	.99	0	PCT	16	P2	AV2	.05		TEC	TEH	.610	CBAFN	51	H	129		
39	49	1.13	0	PCT	18	P2	AV1	-.07		TEC	TEH	.610	CBAFN	43	H	74		
39	49	1.06	0	PCT	18	P2	AV2	.09		TEC	TEH	.610	CBAFN	43	H	74		
31	50	.93	0	PCT	15	P2	AV1	-.17		TEC	TEH	.610	CBAFN	51	H	138		
33	50	.94	0	PCT	16	P2	AV3	.09		TEC	TEH	.610	CBAFN	51	H	138		
37	50	1.53	0	PCT	21	P2	AV2	.02		TEC	TEH	.610	CBAFN	41	H	74		
48	56	.44	0	PCT	16	P2	AV2	.03		TEC	TEH	.610	CBAFN	43	H	128		
37	60	.05	0	PCT	14	P2	AV2	.08		TEC	TEH	.610	CBAFN	23	H	180		
37	60	.93	0	PCT	17	P2	AV3	.09		TEC	TEH	.610	CBAFN	23	H	180		
38	62	.74	0	PCT	15	P2	AV1	-.33		TEC	TEH	.610	CBAFN	23	H	93		
38	62	1.92	0	PCT	20	P2	AV2	.02		TEC	TEH	.610	CBAFN	23	H	93		
38	62	1.16	0	PCT	20	P2	AV3	-.07		TEC	TEH	.610	CBAFN	23	H	93		
41	63	1.98	0	PCT	18	P2	AV1	.09		TEC	TEH	.610	CBAFN	37	H	97		
41	63	3.07	0	PCT	35	P2	AV2	.09		TEC	TEH	.610	CBAFN	37	H	97		
41	63	1.86	0	PCT	25	P2	AV3	.09		TEC	TEH	.610	CBAFN	37	H	97		
31	64	1.02	0	PCT	18	P2	AV2	-.08		TEC	TEH	.610	CBAFN	23	H	69		
37	64	.66	0	PCT	14	P2	AV2	.31		TEC	TEH	.610	CBAFN	23	H	64		
48	67	.53	0	PCT	11	P2	AV4	.09		TEC	TEH	.610	CBAFN	37	H	84		
32	73	.82	0	PCT	14	P2	AV3	.36		TEC	TEH	.610	CBAFN	17	H	131		
32	74	1.32	0	PCT	21	P2	AV3	-.36		TEC	TEH	.610	CBAFN	19	H	187		
32	79	.97	0	PCT	16	P2	AV2	-.05		TEC	TEH	.610	CBAFN	21	H	194		
32	79	1.49	0	PCT	21	P2	AV3	-.34		TEC	TEH	.610	CBAFN	21	H	194		
41	79	1.10	0	PCT	18	P2	AV3	.09		TEC	TEH	.610	CBAFN	37	H	20		
35	80	.74	0	PCT	15	P2	AV1	-.08		TEC	TEH	.610	CBAFN	23	H	197		
35	80	.85	0	PCT	16	P2	AV2	-.38		TEC	TEH	.610	CBAFN	23	H	197		
36	80	.78	0	PCT	15	P2	AV1	-.08		TEC	TEH	.610	CBAFN	23	H	194		
36	80	1.33	0	PCT	21	P2	AV3	-.34		TEC	TEH	.610	CBAFN	23	H	194		
36	80	.69	0	PCT	14	P2	AV4	.36		TEC	TEH	.610	CBAFN	23	H	194		
33	81	.94	0	PCT	16	P2	AV3	.07		TEC	TEH	.610	CBAFN	25	H	48		
33	81	.00	0	PCT	12	P2	AV4	.42		TEC	TEH	.610	CBAFN	25	H	48		
36	81	.86	0	PCT	16	P2	AV3	.08		TEC	TEH	.610	CBAFN	25	H	31		
39	81	.95	0	PCT	16	P2	AV2	.00		TEC	TEH	.610	CBAFN	25	H	34		
39	81	.94	0	PCT	16	P2	AV3	-.33		TEC	TEH	.610	CBAFN	25	H	34		
31	82	1.04	0	PCT	18	P2	AV3	.07		TEC	TEH	.610	CBAFN	27	H	45		
32	82	1.39	0	PCT	21	P2	AV2	.19		TEC	TEH	.610	CBAFN	27	H	46		

## SG - C ANTI-VIBRATION BAR WEAR INDICATIONS

Byron C BCR20

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ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTIL1	UTIL2
35	82	.89	0	PCT	16	P2	AV2	.18				610	CBAFN	27	H	49		
35	82	1.72	0	PCT	24	P2	AV3	-.28				610	CBAFN	27	H	49		
38	82	.69	0	PCT	14	P2	AV3	.08				610	CBAFN	27	H	33		
40	82	.74	0	PCT	14	P2	AV2	-.03				610	CBAFN	37	H	18		
43	82	.78	0	PCT	14	P2	AV3	-.38				610	CBAFN	39	H	17		
32	83	.75	0	PCT	14	P2	AV1	.08				610	CBAFN	23	H	62		
22	83	1.41	0	PCT	21	P2	AV3	.33				610	CBAFN	23	H	62		
35	83	.79	0	PCT	15	P2	AV2	.08				610	CBAFN	23	H	59		
35	83	1.05	0	PCT	18	P2	AV3	.08				610	CBAFN	23	H	59		
38	83	1.67	0	PCT	24	P2	AV2	.05				610	CBAFN	23	H	35		
39	83	.75	0	PCT	14	P2	AV3	.18				610	CBAFN	23	H	55		
39	83	.70	0	PCT	13	P2	AV4	.33				610	CBAFN	23	H	55		
40	83	2.02	0	PCT	29	P2	AV2	-.13				610	CBAFN	33	H	185		
40	83	1.41	0	PCT	20	P2	AV3	.08				610	CBAFN	33	H	185		
49	83	.81	0	PCT	16	P2	AV4	-.21				610	CBAFN	27	H	48		
28	84	1.72	0	PCT	24	P2	AV3	-.42				610	CBAFN	27	H	64		
30	84	.91	0	PCT	17	P2	AV2	.22				610	CBAFN	27	H	62		
37	84	.84	0	PCT	16	P2	AV2	-.03				610	CBAFN	27	H	55		
37	84	1.38	0	PCT	21	P2	AV3	.05				610	CBAFN	27	H	55		
41	84	.87	0	PCT	15	P2	AV1	.08				610	CBAFN	33	H	168		
41	84	.47	0	PCT	16	P2	AV2	.03				610	CBAFN	33	H	168		
41	84	1.35	0	PCT	20	P2	AV3	.08				610	CBAFN	33	H	168		
28	85	1.32	0	PCT	21	P2	AV2	.08				610	CBAFN	23	H	114		
30	85	.79	0	PCT	15	P2	AV2	.28				610	CBAFN	23	H	128		
30	85	.81	0	PCT	15	P2	AV3	.05				610	CBAFN	23	H	128		
34	85	1.09	0	PCT	18	P2	AV2	-.10				610	CBAFN	23	H	124		
34	85	1.02	0	PCT	18	P2	AV3	.08				610	CBAFN	23	H	124		
35	85	.96	0	PCT	17	P2	AV1	.08				610	CBAFN	23	H	123		
35	85	1.75	0	PCT	24	P2	AV2	.08				610	CBAFN	23	H	123		
35	85	2.85	0	PCT	31	P2	AV3	.08				610	CBAFN	23	H	123		
41	85	.62	0	PCT	11	P2	AV1	.13				610	CBAFN	33	H	182		
41	85	1.24	0	PCT	19	P2	AV3	.07				610	CBAFN	33	H	182		
42	85	1.10	0	PCT	17	P2	AV3	-.45				610	CBAFN	33	H	181		
35	86	.99	0	PCT	17	P2	AV1	.11				610	CBAFN	27	H	124		
35	86	3.10	0	PCT	33	P2	AV2	-.53				610	CBAFN	27	H	124		
35	86	1.13	0	PCT	19	P2	AV3	.18				610	CBAFN	27	H	124		
42	86	1.00	0	PCT	17	P2	AV1	.05				610	CBAFN	33	H	164		
42	86	1.71	0	PCT	23	P2	AV2	.02				610	CBAFN	33	H	164		
42	86	2.91	0	PCT	31	P2	AV3	.08				610	CBAFN	33	H	164		
42	86	.97	0	PCT	16	P2	AV4	.08				610	CBAFN	33	H	164		
23	87	.75	0	PCT	14	P2	AV1	.08				610	CBAFN	23	H	132		
33	87	1.07	0	PCT	17	P2	AV3	.21				610	CBAFN	23	H	132		
33	87	.68	0	PCT	13	P2	AV4	.08				610	CBAFN	23	H	132		
45	87	.63	0	PCT	11	P2	AV4	-.07				610	CBAFN	33	H	172		
35	88	1.11	0	PCT	19	P2	AV3	.02				610	CBAFN	27	H	133		
41	88	1.38	0	PCT	21	P2	AV2	.15				610	CBAFN	33	H	131		
41	88	2.40	0	PCT	28	P2	AV3	.07				610	CBAFN	33	H	131		
42	88	1.49	0	PCT	22	P2	AV2	.05				610	CBAFN	33	H	132		
42	88	1.05	0	PCT	23	P2	AV3	.05				610	CBAFN	33	H	132		
41	89	2.73	0	PCT	30	P2	AV1	-.42				610	CBAFN	33	H	163		
41	89	1.57	0	PCT	22	P2	AV2	-.08				610	CBAFN	33	H	163		
41	89	2.74	0	PCT	30	P2	AV3	.14				610	CBAFN	33	H	163		
41	89	2.47	0	PCT	28	P2	AV4	-.30				610	CBAFN	33	H	163		
42	89	1.11	0	PCT	20	P2	AV1	.08				610	CBAFN	27	H	57		
42	89	2.13	0	PCT	27	P2	AV2	.08				610	CBAFN	27	H	57		
43	89	3.93	0	PCT	36	P2	AV3	.08				610	CBAFN	27	H	57		
42	89	1.07	0	PCT	19	P2	AV4	.05				610	CBAFN	27	H	57		

## SG - C ANTI-VIBRATION BAR WEAR INDICATIONS

Byron 2 ECR20

CSE 20171001

10/13/2017 09:33:45

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCK	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTILL	UTLIC
21	90	.90	0	PCT	16	P2	AV1	-.07				610	CBAFN	27	H	180		
27	90	.80	0	PCT	15	P2	AV1	-.35				610	CBAFN	27	H	191		
18	90	.82	0	PCT	13	P2	AV2	-.38				610	CBAFN	27	H	194		
40	90	.75	0	PCT	14	P2	AV1	-.15				610	CBAFN	33	H	147		
48	90	1.18	0	PCT	19	P2	AV2	.05				610	CBAFN	33	H	147		
49	90	1.20	0	PCT	19	P2	AV3	.07				610	CBAFN	33	H	147		
48	90	.78	0	PCT	14	P2	AV4	.08				610	CBAFN	33	H	147		
42	90	.02	0	PCT	12	P2	AV1	-.12				610	CBAFN	33	H	140		
42	90	1.03	0	PCT	17	P2	AV2	-.25				610	CBAFN	33	H	140		
42	90	2.49	0	PCT	29	P2	AV3	.07				610	CBAFN	33	H	140		
42	90	1.11	0	PCT	18	P2	AV4	.09				610	CBAFN	33	H	140		
27	91	.87	0	PCT	15	P2	AV3	-.30				610	CBAFN	29	H	8		
34	92	1.35	0	PCT	21	P2	AV2	-.18				610	CBAFN	27	H	208		
34	92	1.20	0	PCT	20	P2	AV3	.09				610	CBAFN	27	H	208		
34	92	.73	0	PCT	14	P2	AV4	.03				610	CBAFN	27	H	208		
39	92	.99	0	PCT	17	P2	AV2	.02				610	CBAFN	33	H	138		
41	92	1.68	0	PCT	18	P2	AV1	.08				610	CBAFN	33	H	140		
41	92	.82	0	PCT	15	P2	AV2	.05				610	CBAFN	33	H	140		
41	92	2.88	0	PCT	31	P2	AV3	-.02				610	CBAFN	33	H	140		
41	92	1.24	0	PCT	19	P2	AV4	.09				610	CBAFN	33	H	140		
39	93	1.00	0	PCT	16	P2	AV2	.02				610	CBAFN	35	H	149		
38	93	1.39	0	PCT	20	P2	AV2	.09				610	CBAFN	35	H	148		
39	93	.83	0	PCT	14	P2	AV4	.08				610	CBAFN	35	H	145		
40	93	1.42	0	PCT	20	P2	AV1	.23				610	CBAFN	35	H	144		
40	93	.86	0	PCT	13	P2	AV2	-.38				610	CBAFN	35	H	144		
40	93	1.87	0	PCT	24	P2	AV3	-.32				610	CBAFN	35	H	144		
42	93	2.14	0	PCT	26	P2	AV1	.00				610	CBAFN	73	H	36		
42	93	1.00	0	PCT	16	P2	AV2	.09				610	CBAFN	73	H	36		
42	93	3.39	0	PCT	34	P2	AV3	.09				610	CBAFN	73	H	36		
42	93	.90	0	PCT	19	P2	AV4	.09				610	CBAFN	73	H	36		
43	93	1.00	0	PCT	18	P2	AV1	.00				610	CBAFN	77	H	32		
43	93	1.53	0	PCT	23	P2	AV2	.09				610	CBAFN	77	H	32		
43	93	1.06	0	PCT	19	P2	AV3	-.02				610	CBAFN	77	H	32		
34	94	1.01	0	PCT	20	P2	AV2	-.03				610	CBAFN	31	H	66		
34	94	.77	0	PCT	17	P2	AV3	.14				610	CBAFN	31	H	66		
26	94	.99	0	PCT	17	P2	AV2	.09				610	CBAFN	33	H	135		
39	94	.99	0	PCT	17	P2	AV2	.09				610	CBAFN	33	H	132		
39	94	.94	0	PCT	16	P2	AV3	.02				610	CBAFN	33	H	132		
42	94	.98	0	PCT	17	P2	AV2	.03				610	NBAZC	83	H	19		
42	94	2.13	0	PCT	27	P2	AV3	-.03				610	NBAZC	83	H	19		
42	94	1.07	0	PCT	18	P2	AV4	.09				610	NBAZC	83	H	19		
34	95	.89	0	PCT	15	P2	AV2	-.39				610	CBAFN	33	H	133		
35	95	1.20	0	PCT	18	P2	AV2	-.44				610	CBAFN	33	H	134		
40	95	1.87	0	PCT	24	P2	AV1	-.17				610	CBAFN	35	H	139		
40	95	1.96	0	PCT	25	P2	AV3	-.18				610	CBAFN	35	H	139		
35	96	1.11	0	PCT	18	P2	AV2	.08				610	CBAFN	33	H	123		
35	96	.86	0	PCT	15	P2	AV4	.03				610	CBAFN	33	H	123		
36	96	2.01	0	PCT	26	P2	AV2	.03				610	CBAFN	33	H	124		
36	96	.95	0	PCT	16	P2	AV3	-.02				610	CBAFN	33	H	124		
29	98	.73	0	PCT	17	P2	AV3	-.24				610	CBAFN	31	H	101		
30	98	.59	0	PCT	15	P2	AV2	-.40				610	CBAFN	31	H	100		
30	99	.76	0	PCT	13	P2	AV2	.39				610	CBAFN	33	H	116		
28	99	.91	0	PCT	15	P2	AV2	.08				610	CBAFN	33	H	123		
30	100	.72	0	PCT	17	P2	AV2	.12				610	CBAFN	31	H	128		
30	100	.84	0	PCT	18	P2	AV3	-.17				610	CBAFN	31	H	128		

## SG - C ANTI-VIBRATION BAR WEAR INDICATIONS

Byron 2 BCR20

CBE 20171001

10/13/2017 09:33:45

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCH	INCH1	INCH2	SEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTILI	UTIL2
12	100	.82	0	PCT	15	P2	AV2	.07		TEC	TEH	.610	CBAFN	33	H	110		
32	100	.79	0	PCT	14	P2	AV3	.12		TEC	TEH	.610	CBAFN	33	H	110		
15	100	1.22	0	PCT	19	P2	AV3	.02		TEC	TEH	.610	CBAFN	33	H	113		
27	101	.76	0	PCT	14	P2	AV3	.17		TEC	TEH	.610	CBAFN	29	H	176		
28	101	.72	0	PCT	13	P2	AV2	.03		TEC	TEH	.610	CBAFN	33	H	113		
28	101	.70	0	PCT	12	P2	AV3	-.43		TEC	TEH	.610	CBAFN	33	H	113		
30	101	1.22	0	PCT	18	P2	AV2	-.32		TEC	TEH	.610	CBAFN	33	H	113		
30	101	1.31	0	PCT	19	P2	AV3	-.46		TEC	TEH	.610	CBAFN	33	H	113		
32	101	.66	0	PCT	12	P2	AV2	.03		TEC	TEH	.610	CBAFN	33	H	111		
32	101	1.06	0	PCT	17	P2	AV3	.05		TEC	TEH	.610	CBAFN	33	H	111		
28	103	1.98	0	PCT	23	P2	AV3	-.03		TEC	TEH	.610	CBAFN	33	H	182		
32	103	.73	0	PCT	13	P2	AV3	-.16		TEC	TEH	.610	CBAFN	33	H	100		
33	103	.75	0	PCT	13	P2	AV4	.08		TEC	TEH	.610	CBAFN	33	H	107		
30	104	1.32	0	PCT	20	P2	AV2	.08		TEC	TEH	.610	CBAFN	33	H	101		
30	104	1.11	0	PCT	18	P2	AV3	-.49		TEC	TEH	.610	CBAFN	33	H	101		
25	105	.85	0	PCT	14	P2	AV2	.26		TEC	TEH	.610	CBAFN	33	H	77		
30	105	.87	0	PCT	15	P2	AV4	-.33		TEC	TEH	.610	CBAFN	33	H	82		
23	106	1.08	0	PCT	18	P2	AV1	.24		TEC	TEH	.610	CBAFN	33	H	73		
27	106	1.17	0	PCT	19	P2	AV2	.34		TEC	TEH	.610	CBAFN	33	H	75		
27	106	2.56	0	PCT	23	P2	AV3	.05		TEC	TEH	.610	CBAFN	33	H	75		
23	107	1.44	0	PCT	20	P2	AV4	-.17		TEC	TEH	.610	CBAFN	33	H	85		
23	108	.82	0	PCT	15	P2	AV1	.08		TEC	TEH	.610	CBAFN	33	H	77		
23	108	2.49	0	PCT	29	P2	AV2	-.43		TEC	TEH	.610	CBAFN	33	H	77		
23	108	1.64	0	PCT	23	P2	AV3	-.09		TEC	TEH	.610	CBAFN	33	H	77		
23	108	.59	0	PCT	12	P2	AV4	-.48		TEC	TEH	.610	CBAFN	33	H	77		

## SG - D ANTI-VIBRATION BAR WEAR INDICATIONS

Byrun 2 SGRD0

CBE 20171001

10/13/2017 09:33:45

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCH	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTIL1	UTIL2
29	5	.95	0	PCT	14	P2	AV4	.03		TEC	TEH	.610	CBAFN	37	H	14		
23	7	1.39	0	PCT	20	P2	AV3	-.13		TEC	TEH	.610	CBAFN	37	H	20		
23	7	1.00	0	PCT	15	P2	AV1	.00		TEC	TEH	.610	CBAFN	37	H	18		
28	11	1.11	0	PCT	10	P2	AV2	.13		TEC	TEH	.610	CBAFN	37	H	47		
28	11	1.03	0	PCT	15	P2	AV3	-.38		TEC	TEH	.610	CBAFN	37	H	47		
31	13	1.39	0	PCT	19	P2	AV1	.23		TEC	TEH	.610	CBAFN	37	H	79		
31	13	1.04	0	PCT	15	P2	AV2	-.13		TEC	TEH	.610	CBAFN	37	H	79		
31	13	2.03	0	PCT	23	P2	AV3	.00		TEC	TEH	.610	CBAFN	37	H	79		
31	14	1.35	0	PCT	19	P2	AV4	-.46		TEC	TEH	.610	CBAFN	39	H	76		
35	14	1.81	0	PCT	13	P2	AV4	.03		TEC	TEH	.610	CBAFN	39	H	86		
31	15	1.15	0	PCT	16	P2	AV2	.23		TEC	TEH	.610	CBAFN	37	H	96		
32	16	.92	0	PCT	15	P2	AV2	.23		TEC	TEH	.610	CBAFN	39	H	84		
35	17	2.05	0	PCT	29	P2	AV2	.48		TEC	TEH	.610	CBAFN	37	H	135		
35	17	1.34	0	PCT	19	P2	AV3	-.23		TEC	TEH	.610	CBAFN	37	H	135		
36	17	1.70	0	PCT	22	P2	AV2	.20		TEC	TEH	.610	CBAFN	37	H	85		
36	17	1.00	0	PCT	15	P2	AV3	-.23		TEC	TEH	.610	CBAFN	37	H	85		
31	18	.99	0	PCT	15	P2	AV2	.00		TEC	TEH	.610	CBAFN	39	H	118		
36	18	.97	0	PCT	15	P2	AV2	.00		TEC	TEH	.610	CBAFN	39	H	123		
36	19	1.07	0	PCT	21	P2	AV3	.23		TEC	TEH	.610	CBAFN	37	H	141		
39	19	1.18	0	PCT	17	P2	AV3	.00		TEC	TEH	.610	CBAFN	37	H	138		
35	20	2.01	0	PCT	23	P2	AV2	.00		TEC	TEH	.610	CBAFN	39	H	130		
35	20	1.44	0	PCT	20	P2	AV3	.00		TEC	TEH	.610	CBAFN	39	H	130		
41	20	1.43	0	PCT	20	P2	AV1	.02		TEC	TEH	.610	CBAFN	39	H	124		
41	20	2.44	0	PCT	28	P2	AV2	.00		TEC	TEH	.610	CBAFN	39	H	124		
36	21	2.10	0	PCT	23	P2	AV2	.41		TEC	TEH	.610	CBAFN	43	H	141		
41	21	1.30	0	PCT	18	P2	AV2	.17		TEC	TEH	.610	CBAFN	43	H	130		
41	21	1.06	0	PCT	16	P2	AV3	-.13		TEC	TEH	.610	CBAFN	43	H	130		
48	22	1.12	0	PCT	17	P2	AV2	-.29		TEC	TEH	.610	CBAFN	43	H	129		
48	22	1.33	0	PCT	19	P2	AV3	-.27		TEC	TEH	.610	CBAFN	43	H	129		
48	22	1.27	0	PCT	18	P2	AV4	-.34		TEC	TEH	.610	CBAFN	43	H	129		
43	22	1.93	0	PCT	24	P2	AV1	-.39		TEC	TEH	.610	CBAFN	43	H	134		
43	22	1.99	0	PCT	25	P2	AV2	-.02		TEC	TEH	.610	CBAFN	43	H	134		
38	23	1.09	0	PCT	15	P2	AV2	.00		TEC	TEH	.610	CBAFN	47	H	83		
38	23	1.77	0	PCT	22	P2	AV3	.00		TEC	TEH	.610	CBAFN	47	H	83		
40	25	1.33	0	PCT	18	P2	AV3	.10		TEC	TEH	.610	CBAFN	47	H	79		
48	26	1.37	0	PCT	19	P2	AV3	.10		TEC	TEH	.610	CBAFN	43	H	67		
38	27	.79	0	PCT	12	P2	AV2	.00		TEC	TEH	.610	CBAFN	47	H	64		
39	27	1.67	0	PCT	15	P2	AV2	.00		TEC	TEH	.610	CBAFN	47	H	65		
39	27	.84	0	PCT	12	P2	AV3	.00		TEC	TEH	.610	CBAFN	47	H	65		
47	27	1.68	0	PCT	15	P2	AV4	.00		TEC	TEH	.610	CBAFN	47	H	73		
28	28	2.32	0	PCT	28	P2	AV4	-.48		TEC	TEH	.610	CBAFN	43	H	28		
48	28	1.27	0	PCT	18	P2	AV3	.00		TEC	TEH	.610	CBAFN	43	H	12		
48	29	3.31	0	PCT	32	P2	AV2	.00		TEC	TEH	.610	CBAFN	47	H	13		
48	29	2.22	0	PCT	25	P2	AV3	.00		TEC	TEH	.610	CBAFN	47	H	13		
42	29	1.44	0	PCT	19	P2	AV2	.00		TEC	TEH	.610	CBAFN	47	H	11		
23	30	1.00	0	PCT	15	P2	AV3	-.00		TEC	TEH	.610	CBAFN	41	H	172		
41	32	1.28	0	PCT	19	P2	AV2	-.02		TEC	TEH	.610	CBAFN	41	H	130		
41	32	1.54	0	PCT	21	P2	AV3	.10		TEC	TEH	.610	CBAFN	41	H	130		
37	33	1.02	0	PCT	14	P2	AV1	.00		TEC	TEH	.610	CBAFN	43	H	130		
37	33	3.07	0	PCT	33	P2	AV2	.00		TEC	TEH	.610	CBAFN	43	H	130		
37	33	3.00	0	PCT	30	P2	AV3	.00		TEC	TEH	.610	CBAFN	43	H	130		

SG - D ANTI-VIBRATION BAR WEAR INDICATIONS

Byron F. BURG

CSE 20171301

19/13/2017 09:33:43

ROW	COL	VOLTS	DEG	IND	PER	CRRN	LCRRN	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTILI	UTIL2
40	33	1.78	0	PCT	20	P2	AV2	.00		TEC	TEH	.010	CBAFN	.43	H	147		
40	33	2.82	0	PCT	20	P2	AV3	.00		TEC	TEH	.010	CBAFN	.43	H	147		
40	33	1.21	0	PCT	15	P2	AV4	.00		TEC	TEH	.010	CBAFN	.43	H	147		
41	33	1.68	0	PCT	20	P2	AV2	.33		TEC	TEH	.010	CBAFN	.43	H	146		
41	33	1.95	0	PCT	22	P2	AV3	.05		TEC	TEH	.010	CBAFN	.43	H	146		
33	34	.91	0	PCT	15	P2	AV2	.07		TEC	TEH	.010	CBAFN	.41	H	110		
33	34	.98	0	PCT	16	P2	AV3	.08		TEC	TEH	.010	CBAFN	.41	H	110		
28	36	4.44	0	PCT	18	P2	AV2	-.02		TEC	TEH	.010	CBAFN	.31	H	70		
28	36	1.28	0	PCT	18	P2	AV3	-.37		TEC	TEH	.010	CBAFN	.31	H	70		
40	36	1.52	0	PCT	20	P2	AV2	.00		TEC	TEH	.010	CBAFN	.29	H	186		
40	36	1.91	0	PCT	23	P2	AV3	.00		TEC	TEH	.010	CBAFN	.29	H	186		
42	36	1.13	0	PCT	19	P2	AV1	.33		TEC	TEH	.010	CBAFN	.33	H	6		
42	36	3.89	0	PCT	37	P2	AV2	.38		TEC	TEH	.010	CBAFN	.33	H	6		
42	36	1.96	0	PCT	27	P2	AV3	.08		TEC	TEH	.010	CBAFN	.33	H	6		
42	36	.78	0	PCT	15	P2	AV4	.38		TEC	TEH	.010	CBAFN	.33	H	6		
36	37	3.62	0	PCT	34	P2	AV2	.00		TEC	TEH	.010	CBAFN	.31	H	147		
36	37	3.68	0	PCT	31	P2	AV3	.43		TEC	TEH	.010	CBAFN	.31	H	147		
37	40	3.04	0	PCT	34	P2	AV2	-.38		TEC	TEH	.010	CBAFN	.21	H	45		
37	40	1.45	0	PCT	18	P2	AV3	-.33		TEC	TEH	.010	CBAFN	.21	H	45		
31	44	3.76	0	PCT	35	P2	AV2	.43		TEC	TEH	.010	CBAFN	.21	H	82		
31	44	1.77	0	PCT	21	P2	AV3	.39		TEC	TEH	.010	CBAFN	.21	H	82		
41	44	1.09	0	PCT	15	P2	AV3	.33		TEC	TEH	.010	CBAFN	.21	H	72		
41	44	.60	0	PCT	12	P2	AV4	-.31		TEC	TEH	.010	CBAFN	.21	H	72		
29	45	.96	0	PCT	14	P2	AV3	.00		TEC	TEH	.010	CBAFN	.23	H	83		
31	50	.88	0	PCT	14	P2	AV1	.02		TEC	TEH	.010	CBAFN	.31	H	132		
31	50	2.22	0	PCT	20	P2	AV2	-.10		TEC	TEH	.010	CBAFN	.31	H	132		
31	50	3.49	0	PCT	13	P2	AV3	-.43		TEC	TEH	.010	CBAFN	.31	H	132		
31	50	1.15	0	PCT	17	P2	AV4	.00		TEC	TEH	.010	CBAFN	.31	H	132		
39	32	.88	0	PCT	16	P2	AV3	.35		TEC	TEH	.010	CBAFN	.33	H	67		
39	32	.80	0	PCT	15	P2	AV4	-.29		TEC	TEH	.010	CBAFN	.33	H	67		
47	36	1.18	0	PCT	18	P2	AV3	.08		TEC	TEH	.010	CBAFN	.33	H	112		
47	36	2.41	0	PCT	20	P2	AV4	.00		TEC	TEH	.010	CBAFN	.33	H	112		
21	37	.77	0	PCT	13	P2	AV1	.12		TEC	TEH	.010	CBAFN	.07	H	121		
21	37	1.14	0	PCT	18	P2	AV4	.00		TEC	TEH	.010	CBAFN	.07	H	121		
48	39	2.28	0	PCT	29	P2	AV3	.00		TEC	TEH	.010	CBAFN	.33	H	99		
48	39	1.40	0	PCT	22	P2	AV4	.00		TEC	TEH	.010	CBAFN	.33	H	99		
41	60	1.04	0	PCT	19	P2	AV1	.00		TEC	TEH	.010	CBAFN	.39	H	123		
41	60	2.61	0	PCT	29	P2	AV2	.00		TEC	TEH	.010	CBAFN	.39	H	123		
41	60	4.11	0	PCT	27	P2	AV3	.00		TEC	TEH	.010	CBAFN	.39	H	123		
36	62	.89	0	PCT	15	P2	AV2	.15		TEC	TEH	.010	CBAFN	.39	H	132		
29	63	.67	0	PCT	13	P2	AV2	.00		TEC	TEH	.010	CBAFN	.51	H	49		
26	70	1.13	0	PCT	16	P2	AV1	-.55		TEC	TEH	.010	CBAFN	.49	H	54		
26	70	2.37	0	PCT	27	P2	AV2	.00		TEC	TEH	.010	CBAFN	.49	H	54		
26	70	1.56	0	PCT	21	P2	AV3	.00		TEC	TEH	.010	CBAFN	.49	H	54		
33	70	1.46	0	PCT	20	P2	AV3	-.29		TEC	TEH	.010	CBAFN	.49	H	100		
33	70	1.54	0	PCT	20	P2	AV4	-.44		TEC	TEH	.010	CBAFN	.49	H	100		
48	71	.66	0	PCT	11	P2	AV1	-.06		TEC	TEH	.010	CBAFN	.53	H	27		
36	72	1.12	0	PCT	16	P2	AV2	.00		TEC	TEH	.010	CBAFN	.49	H	102		
36	72	1.09	0	PCT	16	P2	AV3	.00		TEC	TEH	.010	CBAFN	.49	H	102		
39	72	1.01	0	PCT	15	P2	AV1	-.28		TEC	TEH	.010	CBAFN	.49	H	125		
39	72	1.01	0	PCT	21	P2	AV2	-.05		TEC	TEH	.010	CBAFN	.49	H	125		
39	72	2.39	0	PCT	27	P2	AV3	.36		TEC	TEH	.010	CBAFN	.49	H	125		
48	73	1.06	0	PCT	15	P2	AV2	-.10		TEC	TEH	.010	CBAFN	.51	H	89		
29	73	.71	0	PCT	11	P2	AV3	-.34		TEC	TEH	.010	CBAFN	.51	H	109		
29	76	.99	0	PCT	15	P2	AV4	-.18		TEC	TEH	.010	CBAFN	.49	H	131		
48	76	1.10	0	PCT	16	P2	AV1	-.41		TEC	TEH	.010	CBAFN	.49	H	102		
48	76	2.37	0	PCT	27	P2	AV2	.00		TEC	TEH	.010	CBAFN	.49	H	102		

## SG - D ANTI-VIBRATION BAR WEAR INDICATIONS

Byron 2 B2R2D

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ROW	DOL	VOLTS	DEG	IND	PER	CHN	LOCH	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTILI	UTILE
28	78	.96	0	PCT	14	P2	AV3	.08		TEC	TEH	.010	CBAFN	59	H	179		
33	78	.73	0	PCT	12	P2	AV2	-.48		TEC	TEH	.010	CBAFN	48	H	178		
32	79	1.44	0	PCT	20	P2	AV3	.08		TEC	TEH	.010	CBAFN	53	H	72		
39	80	1.85	0	PCT	23	P2	AV2	.08		TEC	TEH	.010	CBAFN	53	H	56		
39	80	3.52	0	PCT	33	P2	AV3	.08		TEC	TEH	.010	CBAFN	53	H	56		
41	80	1.99	0	PCT	24	P2	AV1	.12		TEC	TEH	.010	CBAFN	53	H	54		
41	80	.79	0	PCT	13	P2	AV3	.08		TEC	TEH	.010	CBAFN	53	H	54		
42	80	.70	0	PCT	11	P2	AV1	-.22		TEC	TEH	.010	CBAFN	53	H	53		
46	80	1.12	0	PCT	16	P2	AV4	.50		TEC	TEH	.010	CBAFN	53	H	49		
19	82	1.17	0	PCT	16	P2	AV4	-.24		TEC	TEH	.010	CBAFN	57	H	160		
25	82	.04	0	PCT	11	P2	AV2	-.13		TEC	TEH	.010	CBAFN	53	H	71		
26	82	.79	0	PCT	13	P2	AV3	.08		TEC	TEH	.010	CBAFN	53	H	72		
29	82	.98	0	PCT	13	P2	AV2	-.03		TEC	TEH	.010	CBAFN	53	H	73		
36	82	3.04	0	PCT	31	P2	AV2	.08		TEC	TEH	.010	CBAFN	53	H	82		
36	82	1.74	0	PCT	21	P2	AV3	.10		TEC	TEH	.010	CBAFN	53	H	82		
36	82	1.19	0	PCT	10	P2	AV4	.08		TEC	TEH	.010	CBAFN	53	H	82		
37	82	1.01	0	PCT	13	P2	AV2	.18		TEC	TEH	.010	CBAFN	53	H	83		
37	82	1.14	0	PCT	17	P2	AV4	-.34		TEC	TEH	.010	CBAFN	53	H	83		
33	83	.77	0	PCT	13	P2	AV2	-.09		TEC	TEH	.010	CBAFN	53	H	121		
33	83	.99	0	PCT	13	P2	AV4	.29		TEC	TEH	.010	CBAFN	53	H	121		
36	83	1.21	0	PCT	18	P2	AV1	.32		TEC	TEH	.010	CBAFN	53	H	120		
36	83	1.79	0	PCT	23	P2	AV2	.37		TEC	TEH	.010	CBAFN	53	H	120		
36	83	1.29	0	PCT	18	P2	AV3	.08		TEC	TEH	.010	CBAFN	53	H	120		
31	84	1.72	0	PCT	21	P2	AV2	-.03		TEC	TEH	.010	CBAFN	53	H	114		
31	84	1.98	0	PCT	23	P2	AV3	-.15		TEC	TEH	.010	CBAFN	53	H	114		
31	84	1.19	0	PCT	16	P2	AV4	-.13		TEC	TEH	.010	CBAFN	53	H	114		
38	84	1.11	0	PCT	13	P2	AV2	.23		TEC	TEH	.010	CBAFN	53	H	189		
43	85	1.14	0	PCT	17	P2	AV2	-.11		TEC	TEH	.010	CBAFN	53	H	149		
43	85	1.08	0	PCT	16	P2	AV3	.08		TEC	TEH	.010	CBAFN	53	H	149		
34	87	1.47	0	PCT	22	P2	AV2	-.11		TEC	TEH	.010	CBAFN	53	H	168		
34	87	1.51	0	PCT	21	P2	AV3	.11		TEC	TEH	.010	CBAFN	53	H	168		
34	87	.92	0	PCT	19	P2	AV4	-.28		TEC	TEH	.010	CBAFN	53	H	168		
37	87	1.13	0	PCT	17	P2	AV3	.11		TEC	TEH	.010	CBAFN	53	H	185		
43	87	1.45	0	PCT	20	P2	AV3	.08		TEC	TEH	.010	CBAFN	53	H	159		
34	89	.91	0	PCT	16	P2	AV3	-.23		TEC	TEH	.010	CBAFN	53	H	187		
46	89	.96	0	PCT	14	P2	AV4	.12		TEC	TEH	.010	CBAFN	53	H	144		
48	90	2.30	0	PCT	20	P2	AV3	.08		TEC	TEH	.010	CBAFN	53	H	182		
33	91	.77	0	PCT	12	P2	AV2	.08		TEC	TEH	.010	CBAFN	57	H	197		
33	91	.92	0	PCT	14	P2	AV3	.08		TEC	TEH	.010	CBAFN	57	H	197		
43	91	1.30	0	PCT	17	P2	AV4	-.33		TEC	TEH	.010	CBAFN	57	H	190		
35	92	1.08	0	PCT	15	P2	AV2	.28		TEC	TEH	.010	CBAFN	53	H	197		
35	92	.87	0	PCT	13	P2	AV3	.08		TEC	TEH	.010	CBAFN	53	H	197		
48	92	1.44	0	PCT	19	P2	AV3	-.36		TEC	TEH	.010	CBAFN	53	H	192		
41	92	.94	0	PCT	14	P2	AV2	.21		TEC	TEH	.010	CBAFN	53	H	191		
41	92	1.13	0	PCT	16	P2	AV3	.03		TEC	TEH	.010	CBAFN	53	H	191		
44	92	1.04	0	PCT	15	P2	AV1	.18		TEC	TEH	.010	CBAFN	53	H	188		
36	94	.84	0	PCT	12	P2	AV1	.32		TEC	TEH	.010	CBAFN	63	H	11		
36	94	1.23	0	PCT	16	P2	AV2	.38		TEC	TEH	.010	CBAFN	63	H	11		
36	94	1.55	0	PCT	19	P2	AV3	.08		TEC	TEH	.010	CBAFN	63	H	11		
22	95	.64	0	PCT	11	P2	AV4	-.12		TEC	TEH	.010	CBAFN	61	H	38		
34	95	1.74	0	PCT	22	P2	AV3	.28		TEC	TEH	.010	CBAFN	61	H	26		
35	95	3.23	0	PCT	32	P2	AV2	.48		TEC	TEH	.010	CBAFN	61	H	29		

## SG - D ANTI-VIBRATION BAR WEAR INDICATIONS

Byron 2 ECR09

CSE 20171001

10/13/2017 09:33:45

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCH	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L	IDX	UTIL1	UTIL2
35	95	1.14	0	PCT	17	P2	AV3	.16				TEC	TEH	.610	CBAFN	01	H	25
36	95	1.12	0	PCT	18	P2	AV3	.41				TEC	TEH	.610	CBAFN	01	H	24
34	97	.88	0	PCT	14	P2	AV1	.12				TEC	TEH	.610	CBAFN	01	H	37
34	97	2.93	0	PCT	31	P2	AV2	.28				TEC	TEH	.610	CBAFN	01	H	37
34	97	1.35	0	PCT	19	P2	AV3	.08				TEC	TEH	.610	CBAFN	01	H	37
34	98	.97	0	PCT	13	P2	AV2	.02				TEC	TEH	.610	CBAFN	03	H	62
34	98	1.92	0	PCT	22	P2	AV3	.09				TEC	TEH	.610	CBAFN	03	H	62
34	98	.74	0	PCT	18	P2	AV4	.09				TEC	TEH	.610	CBAFN	03	H	62
31	100	1.01	0	PCT	14	P2	AV1	.05				TEC	TEH	.610	CBAFN	03	H	72
31	100	.79	0	PCT	11	P2	AV3	.17				TEC	TEH	.610	CBAFN	03	H	72
34	100	1.03	0	PCT	14	P2	AV1	.07				TEC	TEH	.610	CBAFN	03	H	69
34	100	1.70	0	PCT	20	P2	AV3	.09				TEC	TEH	.610	CBAFN	03	H	69
34	100	.78	0	PCT	11	P2	AV4	.27				TEC	TEH	.610	CBAFN	03	H	69
36	100	.89	0	PCT	12	P2	AV4	.09				TEC	TEH	.610	CBAFN	03	H	68
28	102	1.17	0	PCT	13	P2	AV3	.09				TEC	TEH	.610	CBAFN	03	H	92
29	102	1.01	0	PCT	14	P2	AV3	.09				TEC	TEH	.610	CBAFN	03	H	93
34	102	1.11	0	PCT	13	P2	AV4	.09				TEC	TEH	.610	CBAFN	03	H	98
36	103	2.08	0	PCT	23	P2	AV2	.09				TEC	TEH	.610	CBAFN	01	H	95
31	103	1.89	0	PCT	24	P2	AV2	.09				TEC	TEH	.610	CBAFN	01	H	94
31	103	2.02	0	PCT	24	P2	AV3	.09				TEC	TEH	.610	CBAFN	01	H	94
31	103	1.33	0	PCT	19	P2	AV4	.29				TEC	TEH	.610	CBAFN	01	H	94
29	104	.90	0	PCT	12	P2	AV3	.09				TEC	TEH	.610	CBAFN	03	H	105
30	104	1.39	0	PCT	19	P2	AV2	.09				TEC	TEH	.610	CBAFN	03	H	100
30	104	1.12	0	PCT	13	P2	AV4	.29				TEC	TEH	.610	CBAFN	03	H	100
31	104	1.04	0	PCT	14	P2	AV1	.32				TEC	TEH	.610	CBAFN	03	H	99
31	104	1.68	0	PCT	20	P2	AV3	.09				TEC	TEH	.610	CBAFN	03	H	99
26	107	2.02	0	PCT	23	P2	AV3	.09				TEC	TEH	.610	CBAFN	03	H	121
26	107	1.21	0	PCT	18	P2	AV4	.09				TEC	TEH	.610	CBAFN	03	H	121
23	108	1.79	0	PCT	21	P2	AV1	.09				TEC	TEH	.610	CBAFN	03	H	122
23	108	1.18	0	PCT	19	P2	AV2	.09				TEC	TEH	.610	CBAFN	03	H	122
23	108	1.51	0	PCT	19	P2	AV4	.09				TEC	TEH	.610	CBAFN	03	H	122