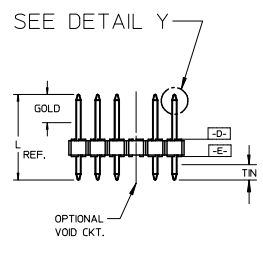
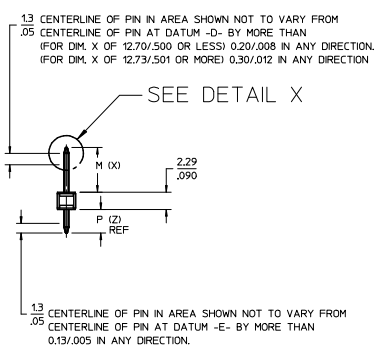
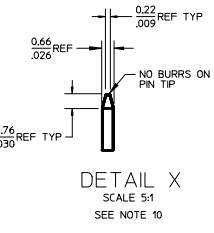
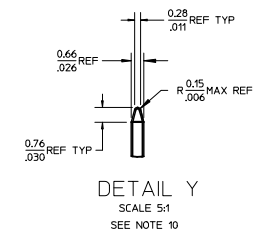
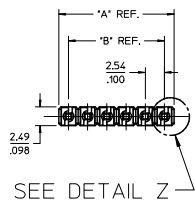
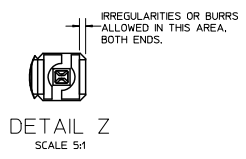
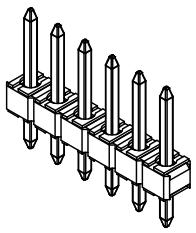
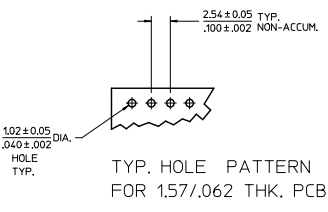


| NO. CKTS | DM. A | DM. B |
|----------|-------|-------|
| 2        | 5.08  | 2.54  |
| 3        | 7.62  | 5.08  |
| 4        | 10.16 | 7.62  |
| 5        | 12.70 | 10.16 |
| 6        | 15.24 | 12.70 |
| 7        | 17.78 | 15.24 |
| 8        | 20.32 | 17.78 |
| 9        | 22.86 | 20.32 |
| 10       | 25.40 | 22.86 |
| 11       | 27.94 | 25.40 |
| 12       | 30.48 | 27.94 |
| 13       | 33.02 | 30.48 |
| 14       | 35.56 | 33.02 |
| 15       | 38.10 | 35.56 |
| 16       | 40.64 | 38.10 |
| 17       | 43.18 | 40.64 |
| 18       | 45.72 | 43.18 |
| 19       | 48.26 | 45.72 |
| 20       | 50.80 | 48.26 |
| 21       | 53.34 | 50.80 |
| 22       | 55.88 | 53.34 |
| 23       | 58.42 | 55.88 |
| 24       | 60.96 | 58.42 |
| 25       | 63.50 | 60.96 |
| 26       | 66.04 | 63.50 |
| 27       | 68.58 | 66.04 |
| 28       | 71.12 | 68.58 |
| 29       | 73.66 | 71.12 |
| 30       | 76.20 | 73.66 |
| 31       | 78.74 | 76.20 |
| 32       | 81.28 | 78.74 |
| 33       | 83.82 | 81.28 |
| 34       | 86.36 | 83.82 |
| 35       | 88.90 | 86.36 |
| 36       | 91.44 | 88.90 |
|          | 3.600 | 3.500 |



- NOTES:
- MATERIAL: GLASS FILLED NYLON  
UL, 94V-0, COLOR: BLACK
  - FINISH: (SEE LAST 3 DIGITS OF PIN NUMBER)  
(154) OVERALL TIN: 0.00254/0.000100 MIN. OVER  
NICKEL: 0.00127/0.000050 MIN.  
(118) OVERALL TIN: 0.00152/0.000060 MIN. OVER  
NICKEL: 0.00127/0.000050 MIN.  
(208) SELECT GOLD: 0.00038/0.000015 MIN.  
\* SELECT TIN: 0.00254/0.000100 MIN.  
WITH OVERALL NICKEL UNDERPLATE: 0.00127/0.000050 MIN.  
(228) SELECT GOLD: 0.00076/0.000030 MIN.  
\* SELECT TIN: 0.00254/0.000100 MIN.  
WITH OVERALL NICKEL UNDERPLATE: 0.00127/0.000050 MIN.
  - PRODUCT SPECIFICATION PS 10-07.
  - PACKAGING INFORMATION: SEE TABLES
  - SOLDERABILITY PER SMES-62.
  - SEE SMES-42003 FOR ADDITIONAL INFORMATION
  - ON KINK PIN DIRECTION AND PLACEMENT.
  - HEADERS ARE NOT STACKABLE ON 2.54/.100 CENTERS.
  - PIN PUSH OUT FORCE: 3 LBS. MIN
  - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-4599-002.
  - PIN TIP DIMENSIONS ARE SHOWN FOR REFERENCE ONLY. DIMENSIONS APPLY PRIOR TO PLATING OR ASSEMBLY.



|      |      |
|------|------|
| 2-x  | T15  |
| 1    | T15  |
| SHT. | REV. |

ADD 42375-4236  
EC. NO. UCF2009-1249  
DRAWN: JUPPER 2008/11/25  
CHKD: BELL 2008/12/01  
APPR: F. SMITH 2008/12/02

QUALITY SYMBOLS  
▽=0  
▽=0

| GENERAL TOLERANCES (UNLESS SPECIFIED) |           |
|---------------------------------------|-----------|
| PLACES                                | TOLERANCE |
| 4 PLACES                              | ± .005    |
| 3 PLACES                              | ± .010    |
| 2 PLACES                              | ± .015    |
| 1 PLACE                               | ± .030    |
| ANGULAR ± 1/2°                        |           |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

| DIMENSION STYLE |            | SCALE  | DESIGN UNITS | THIRD ANGLE PROJECTION |
|-----------------|------------|--|--------------|------------------------|
| MM/IN           |            | 2:1  | INCH         | ☉                      |
| DRAWN BY        | DATE       | TITLE  |              |                        |
| SCHAFFER        | 11/3/03    | KK 100 HEADER ASSY<br>FLAT VERTICAL<br>BREAKAWAY |              |                        |
| CHECKED BY      | DATE       | MOLEX INCORPORATED                               |              |                        |
| SAMIEC          | 2004/02/27 | SD-42375-001                                     |              |                        |
| APPROVED BY     | DATE       | DOCUMENT NO.                                     |              |                        |
| MARGULIS        | 2004/02/27 | SHEET NO.  |              |                        |
| MATERIAL NO.    |            | 1 OF *   |              |                        |

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

42375

ENG. NO: A-42375-0002/0036

| HEADER NUMBER:    | 42312-0036         |              |      |                 |              |
|-------------------|--------------------|--------------|------|-----------------|--------------|
| PIN NUMBER:       | 42663-ABA154       |              |      |                 |              |
| PIN LENGTH: L     | .455 / 11.56       |              |      |                 |              |
| MATING LENGTH: M  | .240 / 6.09        |              |      |                 |              |
| GOLD POINT: G     | N/A                |              |      |                 |              |
| PC TAIL LENGTH: P | .125 / 3.18        |              |      |                 |              |
| TIN: T            | OVERALL            |              |      |                 |              |
| CKTS:             | 2-36               |              |      |                 |              |
| KINKS:            | NO                 |              |      |                 |              |
| VOIDED CKTS:      | NONE               |              |      |                 |              |
| PACKAGING:        | BULK PK-40873-0041 |              |      |                 |              |
| CKTS              | MATERIAL NUMBER    | ENG NUMBER   | CKTS | MATERIAL NUMBER | ENG NUMBER   |
| 02                | 22-28-4020         | A-42375-0002 | 20   | 22-28-4200      | A-42375-0020 |
| 03                | 22-28-4030         | A-42375-0003 | 21   | 22-28-4210      | A-42375-0021 |
| 04                | 22-28-4040         | A-42375-0004 | 22   | 22-28-4220      | A-42375-0022 |
| 05                | 22-28-4050         | A-42375-0005 | 23   | 22-28-4230      | A-42375-0023 |
| 06                | 22-28-4060         | A-42375-0006 | 24   | 22-28-4240      | A-42375-0024 |
| 07                | 22-28-4070         | A-42375-0007 | 25   | 22-28-4250      | A-42375-0025 |
| 08                | 22-28-4080         | A-42375-0008 | 26   | 22-28-4260      | A-42375-0026 |
| 09                | 22-28-4090         | A-42375-0009 | 27   | 22-28-4270      | A-42375-0027 |
| 10                | 22-28-4100         | A-42375-0010 | 28   | 22-28-4280      | A-42375-0028 |
| 11                | 22-28-4110         | A-42375-0011 | 29   | 22-28-4290      | A-42375-0029 |
| 12                | 22-28-4120         | A-42375-0012 | 30   | 22-28-4300      | A-42375-0030 |
| 13                | 22-28-4130         | A-42375-0013 | 31   | 22-28-4310      | A-42375-0031 |
| 14                | 22-28-4140         | A-42375-0014 | 32   | 22-28-4320      | A-42375-0032 |
| 15                | 22-28-4150         | A-42375-0015 | 33   | 22-28-4330      | A-42375-0033 |
| 16                | 22-28-4160         | A-42375-0016 | 34   | 22-28-4340      | A-42375-0034 |
| 17                | 22-28-4170         | A-42375-0017 | 35   | 22-28-4350      | A-42375-0035 |
| 18                | 22-28-4180         | A-42375-0018 | 36   | 22-28-4360      | A-42375-0036 |
| 19                | 22-28-4190         | A-42375-0019 |      |                 |              |

ENG. NO: A-42375-0037/0071

| HEADER NUMBER:    | 42312-0036         |              |      |                 |              |
|-------------------|--------------------|--------------|------|-----------------|--------------|
| PIN NUMBER:       | 42663-ABB208       |              |      |                 |              |
| PIN LENGTH: L     | .455 / 11.56       |              |      |                 |              |
| MATING LENGTH: M  | .240 / 6.09        |              |      |                 |              |
| GOLD POINT: G     | .100 / 2.54        |              |      |                 |              |
| PC TAIL LENGTH: P | .125 / 3.18        |              |      |                 |              |
| TIN: T            | .100 / 3.18        |              |      |                 |              |
| CKTS:             | 2-36               |              |      |                 |              |
| KINKS:            | NO                 |              |      |                 |              |
| VOIDED CKTS:      | NONE               |              |      |                 |              |
| PACKAGING:        | BULK PK-40873-0041 |              |      |                 |              |
| CKTS              | MATERIAL NUMBER    | ENG NUMBER   | CKTS | MATERIAL NUMBER | ENG NUMBER   |
| 02                | 22-28-4023         | A-42375-0037 | 20   | 22-28-4203      | A-42375-0055 |
| 03                | 22-28-4033         | A-42375-0038 | 21   | 22-28-4213      | A-42375-0056 |
| 04                | 22-28-4043         | A-42375-0039 | 22   | 22-28-4223      | A-42375-0057 |
| 05                | 22-28-4053         | A-42375-0040 | 23   | 22-28-4233      | A-42375-0058 |
| 06                | 22-28-4063         | A-42375-0041 | 24   | 22-28-4243      | A-42375-0059 |
| 07                | 22-28-4073         | A-42375-0042 | 25   | 22-28-4253      | A-42375-0060 |
| 08                | 22-28-4083         | A-42375-0043 | 26   | 22-28-4263      | A-42375-0061 |
| 09                | 22-28-4093         | A-42375-0044 | 27   | 22-28-4273      | A-42375-0062 |
| 10                | 22-28-4103         | A-42375-0045 | 28   | 22-28-4283      | A-42375-0063 |
| 11                | 22-28-4113         | A-42375-0046 | 29   | 22-28-4293      | A-42375-0064 |
| 12                | 22-28-4123         | A-42375-0047 | 30   | 22-28-4303      | A-42375-0065 |
| 13                | 22-28-4133         | A-42375-0048 | 31   | 22-28-4313      | A-42375-0066 |
| 14                | 22-28-4143         | A-42375-0049 | 32   | 22-28-4323      | A-42375-0067 |
| 15                | 22-28-4153         | A-42375-0050 | 33   | 22-28-4333      | A-42375-0068 |
| 16                | 22-28-4163         | A-42375-0051 | 34   | 22-28-4343      | A-42375-0069 |
| 17                | 22-28-4173         | A-42375-0052 | 35   | 22-28-4353      | A-42375-0070 |
| 18                | 22-28-4183         | A-42375-0053 | 36   | 22-28-4363      | A-42375-0071 |
| 19                | 22-28-4193         | A-42375-0054 |      |                 |              |

REV:

**T15**ECR/ECN INFORMATION:

EC No.: UCP2009-1249

DATE: 12/2/2008

TITLE:**KK 100 HEADER ASSY  
FLAT VERTICAL  
BREAKAWAY**SHEET No.**- 2 -**DOCUMENT NUMBER:**SD- 42375-001**CREATED / REVISED BY:**MKIPPER**CHECKED BY:**JBELL**APPROVED BY:**FSMITH**

TEMPLATE FILENAME: PRODUCT\_SPEC(SIZE\_A)(V.1).DOC

| ENG. NO: A-42375-0072/0106                       |                 |              |   |                 |              | ENG. NO: A-42375-0107/0141  |                 |              |                               |                 |              |
|--|-----------------|--------------|---|-----------------|--------------|---|-----------------|--------------|-------------------------------|-----------------|--------------|
| HEADER NUMBER:                                   |                 |              | 42312-0036  |                 |              | HEADER NUMBER:  |                 |              | 42312-0036                    |                 |              |
| PIN NUMBER:                                      |                 |              | 42663-ABB228  |                 |              | PIN NUMBER:   |                 |              | 42663-ATA154                  |                 |              |
| PIN LENGTH: L                                    |                 |              | .455 / 11.56  |                 |              | PIN LENGTH: L   |                 |              | .530 / 13.46                  |                 |              |
| MATING LENGTH: M                                 |                 |              | .240 / 6.09   |                 |              | MATING LENGTH: M  |                 |              | .320 / 8.13                   |                 |              |
| GOLD POINT: G                                    |                 |              | .100 / 2.54   |                 |              | GOLD POINT: G   |                 |              | N/A                           |                 |              |
| PC TAIL LENGTH: P                                |                 |              | .125 / 3.18   |                 |              | PC TAIL LENGTH: P   |                 |              | .120 / 3.05                   |                 |              |
| TIN: T   |                 |              | .100 / 2.54   |                 |              | TIN: T  |                 |              | OVERALL                       |                 |              |
| CKTS:  |                 |              | 2-36  |                 |              | CKTS:   |                 |              | 2-36                          |                 |              |
| KINKS:   |                 |              | NO  |                 |              | KINKS:  |                 |              | NO                            |                 |              |
| VOIDED CKTS:                                     |                 |              | NONE  |                 |              | VOIDED CKTS:  |                 |              | NONE                          |                 |              |
| PACKAGING:                                       |                 |              | BULK PK-40873-0041  |                 |              | PACKAGING:  |                 |              | BULK PK-40873-0041            |                 |              |
| CKTS   | MATERIAL NUMBER | ENG NUMBER   | CKTS  | MATERIAL NUMBER | ENG NUMBER   | CKTS  | MATERIAL NUMBER | ENG NUMBER   | CKTS                          | MATERIAL NUMBER | ENG NUMBER   |
| 02   | 22-28-4026      | A-42375-0072 | 20  | 22-28-4206      | A-42375-0090 | 02  | 22-28-4021      | A-42375-0107 | 20                            | 22-28-4201      | A-42375-0125 |
| 03   | 22-28-4036      | A-42375-0073 | 21  | 22-28-4216      | A-42375-0091 | 03  | 22-28-4031      | A-42375-0108 | 21                            | 22-28-4211      | A-42375-0126 |
| 04   | 22-28-4046      | A-42375-0074 | 22  | 22-28-4226      | A-42375-0092 | 04  | 22-28-4041      | A-42375-0109 | 22                            | 22-28-4221      | A-42375-0127 |
| 05   | 22-28-4056      | A-42375-0075 | 23  | 22-28-4236      | A-42375-0093 | 05  | 22-28-4051      | A-42375-0110 | 23                            | 22-28-4231      | A-42375-0128 |
| 06   | 22-28-4066      | A-42375-0076 | 24  | 22-28-4246      | A-42375-0094 | 06  | 22-28-4061      | A-42375-0111 | 24                            | 22-28-4241      | A-42375-0129 |
| 07   | 22-28-4076      | A-42375-0077 | 25  | 22-28-4256      | A-42375-0095 | 07  | 22-28-4071      | A-42375-0112 | 25                            | 22-28-4251      | A-42375-0130 |
| 08   | 22-28-4086      | A-42375-0078 | 26  | 22-28-4266      | A-42375-0096 | 08  | 22-28-4081      | A-42375-0113 | 26                            | 22-28-4261      | A-42375-0131 |
| 09   | 22-28-4096      | A-42375-0079 | 27  | 22-28-4276      | A-42375-0097 | 09  | 22-28-4091      | A-42375-0114 | 27                            | 22-28-4271      | A-42375-0132 |
| 10   | 22-28-4106      | A-42375-0080 | 28  | 22-28-4286      | A-42375-0098 | 10  | 22-28-4101      | A-42375-0115 | 28                            | 22-28-4281      | A-42375-0133 |
| 11   | 22-28-4116      | A-42375-0081 | 29  | 22-28-4296      | A-42375-0099 | 11  | 22-28-4111      | A-42375-0116 | 29                            | 22-28-4291      | A-42375-0134 |
| 12   | 22-28-4126      | A-42375-0082 | 30  | 22-28-4306      | A-42375-0100 | 12  | 22-28-4121      | A-42375-0117 | 30                            | 22-28-4301      | A-42375-0135 |
| 13   | 22-28-4136      | A-42375-0083 | 31  | 22-28-4316      | A-42375-0101 | 13  | 22-28-4131      | A-42375-0118 | 31                            | 22-28-4311      | A-42375-0136 |
| 14   | 22-28-4146      | A-42375-0084 | 32  | 22-28-4326      | A-42375-0102 | 14  | 22-28-4141      | A-42375-0119 | 32                            | 22-28-4321      | A-42375-0137 |
| 15   | 22-28-4156      | A-42375-0085 | 33  | 22-28-4336      | A-42375-0103 | 15  | 22-28-4151      | A-42375-0120 | 33                            | 22-28-4331      | A-42375-0138 |
| 16   | 22-28-4166      | A-42375-0086 | 34  | 22-28-4346      | A-42375-0104 | 16  | 22-28-4161      | A-42375-0121 | 34                            | 22-28-4341      | A-42375-0139 |
| 17   | 22-28-4176      | A-42375-0087 | 35  | 22-28-4356      | A-42375-0105 | 17  | 22-28-4171      | A-42375-0122 | 35                            | 22-28-4351      | A-42375-0140 |
| 18   | 22-28-4186      | A-42375-0088 | 36  | 22-28-4366      | A-42375-0106 | 18  | 22-28-4181      | A-42375-0123 | 36                            | 22-28-4361      | A-42375-0141 |
| 19   | 22-28-4196      | A-42375-0089 |   |                 |              | 19  | 22-28-4191      | A-42375-0124 |                               |                 |              |
| REV: <b>T15</b>                                  |                 |              | ECR/ECN INFORMATION:<br>EC No.: <b>UCP2009-1249</b><br>DATE: <b>12/2/2008</b> |                 |              | TITLE:<br><b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> |                 |              | SHEET No.<br><b>- 3 -</b>     |                 |              |
| DOCUMENT NUMBER:<br><b>SD- 42375-001</b>         |                 |              | CREATED / REVISED BY:<br><b>MKIPPER</b>                                       |                 |              | CHECKED BY:<br><b>JBELL</b>   |                 |              | APPROVED BY:<br><b>FSMITH</b> |                 |              |
| TEMPLATE FILENAME: PRODUCT_SPEC(SIZE_A)(V.1).DOC |                 |              |   |                 |              |   |                 |              |                               |                 |              |

42375

ENG. NO: A-42375-0142/0176

|                   |                    |
|-------------------|--------------------|
| HEADER NUMBER:    | 42312-0036         |
| PIN NUMBER:       | 42663-ATB208       |
| PIN LENGTH: L     | .530 / 13.46       |
| MATING LENGTH: M  | .320 / 8.13        |
| GOLD POINT: G     | .140 / 3.56        |
| PC TAIL LENGTH: P | .120 / 3.05        |
| TIN: T            | .135 / 3.43        |
| CKTS:             | 2-36               |
| KINKS:            | NO                 |
| VOIDED CKTS:      | NONE               |
| PACKAGING:        | BULK PK-40873-0041 |

| CKTS | MATERIAL NUMBER | ENG NUMBER   | CKTS | MATERIAL NUMBER | ENG NUMBER   |
|------|-----------------|--------------|------|-----------------|--------------|
| 02   | 22-28-4024      | A-42375-0142 | 20   | 22-28-4204      | A-42375-0160 |
| 03   | 22-28-4034      | A-42375-0143 | 21   | 22-28-4214      | A-42375-0161 |
| 04   | 22-28-4044      | A-42375-0144 | 22   | 22-28-4224      | A-42375-0162 |
| 05   | 22-28-4054      | A-42375-0145 | 23   | 22-28-4234      | A-42375-0163 |
| 06   | 22-28-4064      | A-42375-0146 | 24   | 22-28-4244      | A-42375-0164 |
| 07   | 22-28-4074      | A-42375-0147 | 25   | 22-28-4254      | A-42375-0165 |
| 08   | 22-28-4084      | A-42375-0148 | 26   | 22-28-4264      | A-42375-0166 |
| 09   | 22-28-4094      | A-42375-0149 | 27   | 22-28-4274      | A-42375-0167 |
| 10   | 22-28-4104      | A-42375-0150 | 28   | 22-28-4284      | A-42375-0168 |
| 11   | 22-28-4114      | A-42375-0151 | 29   | 22-28-4294      | A-42375-0169 |
| 12   | 22-28-4124      | A-42375-0152 | 30   | 22-28-4304      | A-42375-0170 |
| 13   | 22-28-4134      | A-42375-0153 | 31   | 22-28-4314      | A-42375-0171 |
| 14   | 22-28-4144      | A-42375-0154 | 32   | 22-28-4324      | A-42375-0172 |
| 15   | 22-28-4154      | A-42375-0155 | 33   | 22-28-4334      | A-42375-0173 |
| 16   | 22-28-4164      | A-42375-0156 | 34   | 22-28-4344      | A-42375-0174 |
| 17   | 22-28-4174      | A-42375-0157 | 35   | 22-28-4354      | A-42375-0175 |
| 18   | 22-28-4184      | A-42375-0158 | 36   | 22-28-4364      | A-42375-0176 |
| 19   | 22-28-4194      | A-42375-0159 |      |                 |              |

ENG. NO: A-42375-0177/0211

|                   |                    |
|-------------------|--------------------|
| HEADER NUMBER:    | 42312-0036         |
| PIN NUMBER:       | 42663-ATB228       |
| PIN LENGTH: L     | .530 / 13.46       |
| MATING LENGTH: M  | .320 / 8.13        |
| GOLD POINT: G     | .140 / 3.56        |
| PC TAIL LENGTH: P | .120 / 3.05        |
| TIN: T            | .135 / 3.43        |
| CKTS:             | 2-36               |
| KINKS:            | NO                 |
| VOIDED CKTS:      | NONE               |
| PACKAGING:        | BULK PK-40873-0041 |

| CKTS | MATERIAL NUMBER | ENG NUMBER   | CKTS | MATERIAL NUMBER | ENG NUMBER   |
|------|-----------------|--------------|------|-----------------|--------------|
| 02   | 22-28-4027      | A-42375-0177 | 20   | 22-28-4207      | A-42375-0195 |
| 03   | 22-28-4037      | A-42375-0178 | 21   | 22-28-4217      | A-42375-0196 |
| 04   | 22-28-4047      | A-42375-0179 | 22   | 22-28-4227      | A-42375-0197 |
| 05   | 22-28-4057      | A-42375-0180 | 23   | 22-28-4237      | A-42375-0198 |
| 06   | 22-28-4067      | A-42375-0181 | 24   | 22-28-4247      | A-42375-0199 |
| 07   | 22-28-4077      | A-42375-0182 | 25   | 22-28-4257      | A-42375-0200 |
| 08   | 22-28-4087      | A-42375-0183 | 26   | 22-28-4267      | A-42375-0201 |
| 09   | 22-28-4097      | A-42375-0184 | 27   | 22-28-4277      | A-42375-0202 |
| 10   | 22-28-4107      | A-42375-0185 | 28   | 22-28-4287      | A-42375-0203 |
| 11   | 22-28-4117      | A-42375-0186 | 29   | 22-28-4297      | A-42375-0204 |
| 12   | 22-28-4127      | A-42375-0187 | 30   | 22-28-4307      | A-42375-0205 |
| 13   | 22-28-4137      | A-42375-0188 | 31   | 22-28-4317      | A-42375-0206 |
| 14   | 22-28-4147      | A-42375-0189 | 32   | 22-28-4327      | A-42375-0207 |
| 15   | 22-28-4157      | A-42375-0190 | 33   | 22-28-4337      | A-42375-0208 |
| 16   | 22-28-4167      | A-42375-0191 | 34   | 22-28-4347      | A-42375-0209 |
| 17   | 22-28-4177      | A-42375-0192 | 35   | 22-28-4357      | A-42375-0210 |
| 18   | 22-28-4187      | A-42375-0193 | 36   | 22-28-4367      | A-42375-0211 |
| 19   | 22-28-4197      | A-42375-0194 |      |                 |              |

REV:

**T15**ECR/ECN INFORMATION:

EC No.: UCP2009-1249

DATE: 12/2/2008

TITLE:**KK 100 HEADER ASSY  
FLAT VERTICAL  
BREAKAWAY**SHEET No.**- 4 -**DOCUMENT NUMBER:**SD- 42375-001**CREATED / REVISED BY:**MKIPPER**CHECKED BY:**JBELL**APPROVED BY:**FSMITH**

TEMPLATE FILENAME: PRODUCT\_SPEC(SIZE\_A)(V.1).DOC

**42375**

| ENG. NO: A-42375-0212/0246 |                 |                    |      |                 |              |
|----------------------------|-----------------|--------------------|------|-----------------|--------------|
| HEADER NUMBER:             |                 | 42312-0036         |      |                 |              |
| PIN NUMBER:                |                 | 42663-AMA154       |      |                 |              |
| PIN LENGTH: L              |                 | .505 / 12.83       |      |                 |              |
| MATING LENGTH: M           |                 | .295 / 7.49        |      |                 |              |
| GOLD POINT: G              |                 | N/A                |      |                 |              |
| PC TAIL LENGTH: P          |                 | .120 / 3.05        |      |                 |              |
| TIN: T                     |                 | OVERALL            |      |                 |              |
| CKTS:                      |                 | 2-36               |      |                 |              |
| KINKS:                     |                 | NO                 |      |                 |              |
| VOIDED CKTS:               |                 | NONE               |      |                 |              |
| PACKAGING:                 |                 | BULK PK-40873-0041 |      |                 |              |
| CKTS                       | MATERIAL NUMBER | ENG NUMBER         | CKTS | MATERIAL NUMBER | ENG NUMBER   |
| 02                         | 22-28-4022      | A-42375-0212       | 20   | 22-28-4202      | A-42375-0230 |
| 03                         | 22-28-4032      | A-42375-0213       | 21   | 22-28-4212      | A-42375-0231 |
| 04                         | 22-28-4042      | A-42375-0214       | 22   | 22-28-4222      | A-42375-0232 |
| 05                         | 22-28-4052      | A-42375-0215       | 23   | 22-28-4232      | A-42375-0233 |
| 06                         | 22-28-4062      | A-42375-0216       | 24   | 22-28-4242      | A-42375-0234 |
| 07                         | 22-28-4072      | A-42375-0217       | 25   | 22-28-4252      | A-42375-0235 |
| 08                         | 22-28-4082      | A-42375-0218       | 26   | 22-28-4262      | A-42375-0236 |
| 09                         | 22-28-4092      | A-42375-0219       | 27   | 22-28-4272      | A-42375-0237 |
| 10                         | 22-28-4102      | A-42375-0220       | 28   | 22-28-4282      | A-42375-0238 |
| 11                         | 22-28-4112      | A-42375-0221       | 29   | 22-28-4292      | A-42375-0239 |
| 12                         | 22-28-4122      | A-42375-0222       | 30   | 22-28-4302      | A-42375-0240 |
| 13                         | 22-28-4132      | A-42375-0223       | 31   | 22-28-4312      | A-42375-0241 |
| 14                         | 22-28-4142      | A-42375-0224       | 32   | 22-28-4322      | A-42375-0242 |
| 15                         | 22-28-4152      | A-42375-0225       | 33   | 22-28-4332      | A-42375-0243 |
| 16                         | 22-28-4162      | A-42375-0226       | 34   | 22-28-4342      | A-42375-0244 |
| 17                         | 22-28-4172      | A-42375-0227       | 35   | 22-28-4352      | A-42375-0245 |
| 18                         | 22-28-4182      | A-42375-0228       | 36   | 22-28-4362      | A-42375-0246 |
| 19                         | 22-28-4192      | A-42375-0229       |      |                 |              |

| ENG. NO: A-42375-0247/0281 |                 |                    |      |                 |              |
|----------------------------|-----------------|--------------------|------|-----------------|--------------|
| HEADER NUMBER:             |                 | 42312-0036         |      |                 |              |
| PIN NUMBER:                |                 | 42663-AMB208       |      |                 |              |
| PIN LENGTH: L              |                 | .505 / 12.83       |      |                 |              |
| MATING LENGTH: M           |                 | .295 / 7.49        |      |                 |              |
| GOLD POINT: G              |                 | .140 / 3.56        |      |                 |              |
| PC TAIL LENGTH: P          |                 | .120 / 3.05        |      |                 |              |
| TIN: T                     |                 | .135 / 3.43        |      |                 |              |
| CKTS:                      |                 | 2-36               |      |                 |              |
| KINKS:                     |                 | NO                 |      |                 |              |
| VOIDED CKTS:               |                 | NONE               |      |                 |              |
| PACKAGING:                 |                 | BULK PK-40873-0041 |      |                 |              |
| CKTS                       | MATERIAL NUMBER | ENG NUMBER         | CKTS | MATERIAL NUMBER | ENG NUMBER   |
| 02                         | 22-28-4025      | A-42375-0247       | 20   | 22-28-4205      | A-42375-0265 |
| 03                         | 22-28-4035      | A-42375-0248       | 21   | 22-28-4215      | A-42375-0266 |
| 04                         | 22-28-4045      | A-42375-0249       | 22   | 22-28-4225      | A-42375-0267 |
| 05                         | 22-28-4055      | A-42375-0250       | 23   | 22-28-4235      | A-42375-0268 |
| 06                         | 22-28-4065      | A-42375-0251       | 24   | 22-28-4245      | A-42375-0269 |
| 07                         | 22-28-4075      | A-42375-0252       | 25   | 22-28-4255      | A-42375-0270 |
| 08                         | 22-28-4085      | A-42375-0253       | 26   | 22-28-4265      | A-42375-0271 |
| 09                         | 22-28-4095      | A-42375-0254       | 27   | 22-28-4275      | A-42375-0272 |
| 10                         | 22-28-4105      | A-42375-0255       | 28   | 22-28-4285      | A-42375-0273 |
| 11                         | 22-28-4115      | A-42375-0256       | 29   | 22-28-4295      | A-42375-0274 |
| 12                         | 22-28-4125      | A-42375-0257       | 30   | 22-28-4305      | A-42375-0275 |
| 13                         | 22-28-4135      | A-42375-0258       | 31   | 22-28-4315      | A-42375-0276 |
| 14                         | 22-28-4145      | A-42375-0259       | 32   | 22-28-4325      | A-42375-0277 |
| 15                         | 22-28-4155      | A-42375-0260       | 33   | 22-28-4335      | A-42375-0278 |
| 16                         | 22-28-4165      | A-42375-0261       | 34   | 22-28-4345      | A-42375-0279 |
| 17                         | 22-28-4175      | A-42375-0262       | 35   | 22-28-4355      | A-42375-0280 |
| 18                         | 22-28-4185      | A-42375-0263       | 36   | 22-28-4365      | A-42375-0281 |
| 19                         | 22-28-4195      | A-42375-0264       |      |                 |              |

|   |   |  |                                      |
|---|---|--|--------------------------------------|
| <b>REV:</b><br><b>T15</b>                       | <u>ECR/ECN INFORMATION:</u>                           | <u>TITLE:</u><br><b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> | <u>SHEET No.</u><br><b>- 5 -</b>     |
|   | EC No.: <b>UCP2009-1249</b><br>DATE: <b>12/2/2008</b> |  |                                      |
| <u>DOCUMENT NUMBER:</u><br><b>SD- 42375-001</b> | <u>CREATED / REVISED BY:</u><br><b>MKIPPER</b>        | <u>CHECKED BY:</u><br><b>JBELL</b>   | <u>APPROVED BY:</u><br><b>FSMITH</b> |

TEMPLATE FILENAME: PRODUCT\_SPEC(SIZE\_A)(V.1).DOC

42375

ENG. NO: A-42375-0282/0316

|                   |                    |
|-------------------|--------------------|
| HEADER NUMBER:    | 42312-0036         |
| PIN NUMBER:       | 42663-AMB228       |
| PIN LENGTH: L     | .505 / 12.83       |
| MATING LENGTH: M  | .295 / 7.49        |
| GOLD POINT: G     | .140 / 3.56        |
| PC TAIL LENGTH: P | .120 / 3.05        |
| TIN: T            | .135 / 3.43        |
| CKTS:             | 2-36               |
| KINKS:            | NO                 |
| VOIDED CKTS:      | NONE               |
| PACKAGING:        | BULK PK-40873-0041 |

| CKTS | MATERIAL NUMBER | ENG NUMBER   | CKTS | MATERIAL NUMBER | ENG NUMBER   |
|------|-----------------|--------------|------|-----------------|--------------|
| 02   | 22-28-4028      | A-42375-0282 | 20   | 22-28-4208      | A-42375-0300 |
| 03   | 22-28-4038      | A-42375-0283 | 21   | 22-28-4218      | A-42375-0301 |
| 04   | 22-28-4048      | A-42375-0284 | 22   | 22-28-4228      | A-42375-0302 |
| 05   | 22-28-4058      | A-42375-0285 | 23   | 22-28-4238      | A-42375-0303 |
| 06   | 22-28-4068      | A-42375-0286 | 24   | 22-28-4248      | A-42375-0304 |
| 07   | 22-28-4078      | A-42375-0287 | 25   | 22-28-4258      | A-42375-0305 |
| 08   | 22-28-4088      | A-42375-0288 | 26   | 22-28-4268      | A-42375-0306 |
| 09   | 22-28-4098      | A-42375-0289 | 27   | 22-28-4278      | A-42375-0307 |
| 10   | 22-28-4108      | A-42375-0290 | 28   | 22-28-4288      | A-42375-0308 |
| 11   | 22-28-4118      | A-42375-0291 | 29   | 22-28-4298      | A-42375-0309 |
| 12   | 22-28-4128      | A-42375-0192 | 30   | 22-28-4308      | A-42375-0310 |
| 13   | 22-28-4138      | A-42375-0293 | 31   | 22-28-4318      | A-42375-0311 |
| 14   | 22-28-4148      | A-42375-0294 | 32   | 22-28-4328      | A-42375-0312 |
| 15   | 22-28-4158      | A-42375-0295 | 33   | 22-28-4338      | A-42375-0313 |
| 16   | 22-28-4168      | A-42375-0296 | 34   | 22-28-4348      | A-42375-0314 |
| 17   | 22-28-4178      | A-42375-0297 | 35   | 22-28-4358      | A-42375-0315 |
| 18   | 22-28-4188      | A-42375-0298 | 36   | 22-28-4368      | A-42375-0316 |
| 19   | 22-28-4198      | A-42375-0299 |      |                 |              |

ENG. NO: A-42375-0317/0351

|                   |                    |
|-------------------|--------------------|
| HEADER NUMBER:    | 42312-0036         |
| PIN NUMBER:       | 42663-ADA154       |
| PIN LENGTH: L     | .465 / 11.81       |
| MATING LENGTH: M  | .240 / 6.09        |
| GOLD POINT: G     | N/A                |
| PC TAIL LENGTH: P | .135 / 3.43        |
| TIN: T            | OVERALL            |
| CKTS:             | 2-36               |
| KINKS:            | SMES-42003         |
| VOIDED CKTS:      | NONE               |
| PACKAGING:        | BULK PK-40873-0041 |

| CKTS | MATERIAL NUMBER | ENG NUMBER   | CKTS | MATERIAL NUMBER | ENG NUMBER   |
|------|-----------------|--------------|------|-----------------|--------------|
| 02   | 22-28-5020      | A-42375-0317 | 20   | 22-28-5200      | A-42375-0335 |
| 03   | 22-28-5030      | A-42375-0318 | 21   | 22-28-5210      | A-42375-0336 |
| 04   | 22-28-5040      | A-42375-0319 | 22   | 22-28-5220      | A-42375-0337 |
| 05   | 22-28-5050      | A-42375-0320 | 23   | 22-28-5230      | A-42375-0338 |
| 06   | 22-28-5060      | A-42375-0321 | 24   | 22-28-5240      | A-42375-0339 |
| 07   | 22-28-5070      | A-42375-0322 | 25   | 22-28-5250      | A-42375-0340 |
| 08   | 22-28-5080      | A-42375-0323 | 26   | 22-28-5260      | A-42375-0341 |
| 09   | 22-28-5090      | A-42375-0324 | 27   | 22-28-5270      | A-42375-0342 |
| 10   | 22-28-5100      | A-42375-0325 | 28   | 22-28-5280      | A-42375-0343 |
| 11   | 22-28-5110      | A-42375-0326 | 29   | 22-28-5290      | A-42375-0344 |
| 12   | 22-28-5120      | A-42375-0327 | 30   | 22-28-5300      | A-42375-0345 |
| 13   | 22-28-5130      | A-42375-0328 | 31   | 22-28-5310      | A-42375-0346 |
| 14   | 22-28-5140      | A-42375-0329 | 32   | 22-28-5320      | A-42375-0347 |
| 15   | 22-28-5150      | A-42375-0330 | 33   | 22-28-5330      | A-42375-0348 |
| 16   | 22-28-5160      | A-42375-0331 | 34   | 22-28-5340      | A-42375-0349 |
| 17   | 22-28-5170      | A-42375-0332 | 35   | 22-28-5350      | A-42375-0350 |
| 18   | 22-28-5180      | A-42375-0333 | 36   | 22-28-5360      | A-42375-0351 |
| 19   | 22-28-5190      | A-42375-0334 |      |                 |              |

REV:

**T15**ECR/ECN INFORMATION:

EC No.: UCP2009-1249

DATE: 12/2/2008

TITLE:

**KK 100 HEADER ASSY  
FLAT VERTICAL  
BREAKAWAY**

SHEET No.**- 6 -**DOCUMENT NUMBER:**SD- 42375-001**CREATED / REVISED BY:**MKIPPER**CHECKED BY:**JBELL**APPROVED BY:**FSMITH**

TEMPLATE FILENAME: PRODUCT\_SPEC(SIZE\_A)(V.1).DOC

42375

ENG. NO: A-42375-0352/0386

| HEADER NUMBER:    | 42312-0036         |              |      |                 |              |
|-------------------|--------------------|--------------|------|-----------------|--------------|
| PIN NUMBER:       | 42663-ADB208       |              |      |                 |              |
| PIN LENGTH: L     | .465 / 11.81       |              |      |                 |              |
| MATING LENGTH: M  | .240 / 6.09        |              |      |                 |              |
| GOLD POINT: G     | .100 / 2.54        |              |      |                 |              |
| PC TAIL LENGTH: P | .135 / 3.43        |              |      |                 |              |
| TIN: T            | .100 / 2.54        |              |      |                 |              |
| CKTS:             | 2-36               |              |      |                 |              |
| KINKS:            | SMES-42003         |              |      |                 |              |
| VOIDED CKTS:      | NONE               |              |      |                 |              |
| PACKAGING:        | BULK PK-40873-0041 |              |      |                 |              |
| CKTS              | MATERIAL NUMBER    | ENG NUMBER   | CKTS | MATERIAL NUMBER | ENG NUMBER   |
| 02                | 22-28-5023         | A-42375-0352 | 20   | 22-28-5203      | A-42375-0370 |
| 03                | 22-28-5033         | A-42375-0353 | 21   | 22-28-5213      | A-42375-0371 |
| 04                | 22-28-5043         | A-42375-0354 | 22   | 22-28-5223      | A-42375-0372 |
| 05                | 22-28-5053         | A-42375-0355 | 23   | 22-28-5233      | A-42375-0373 |
| 06                | 22-28-5063         | A-42375-0356 | 24   | 22-28-5243      | A-42375-0374 |
| 07                | 22-28-5073         | A-42375-0357 | 25   | 22-28-5253      | A-42375-0375 |
| 08                | 22-28-5083         | A-42375-0358 | 26   | 22-28-5263      | A-42375-0376 |
| 09                | 22-28-5093         | A-42375-0359 | 27   | 22-28-5273      | A-42375-0377 |
| 10                | 22-28-5103         | A-42375-0360 | 28   | 22-28-5283      | A-42375-0378 |
| 11                | 22-28-5113         | A-42375-0361 | 29   | 22-28-5293      | A-42375-0379 |
| 12                | 22-28-5123         | A-42375-0362 | 30   | 22-28-5303      | A-42375-0380 |
| 13                | 22-28-5133         | A-42375-0363 | 31   | 22-28-5313      | A-42375-0381 |
| 14                | 22-28-5143         | A-42375-0364 | 32   | 22-28-5323      | A-42375-0382 |
| 15                | 22-28-5153         | A-42375-0365 | 33   | 22-28-5333      | A-42375-0383 |
| 16                | 22-28-5163         | A-42375-0366 | 34   | 22-28-5343      | A-42375-0384 |
| 17                | 22-28-5173         | A-42375-0367 | 35   | 22-28-5353      | A-42375-0385 |
| 18                | 22-28-5183         | A-42375-0368 | 36   | 22-28-5363      | A-42375-0386 |
| 19                | 22-28-5193         | A-42375-0369 |      |                 |              |

ENG. NO: A-42375-0387/0421

| HEADER NUMBER:    | 42312-0036         |              |      |                 |              |
|-------------------|--------------------|--------------|------|-----------------|--------------|
| PIN NUMBER:       | 42663-ADB228       |              |      |                 |              |
| PIN LENGTH: L     | .465 / 11.81       |              |      |                 |              |
| MATING LENGTH: M  | .240 / 6.09        |              |      |                 |              |
| GOLD POINT: G     | .100 / 2.54        |              |      |                 |              |
| PC TAIL LENGTH: P | .135 / 3.43        |              |      |                 |              |
| TIN: T            | .100 / 2.54        |              |      |                 |              |
| CKTS:             | 2-36               |              |      |                 |              |
| KINKS:            | SMES-42003         |              |      |                 |              |
| VOIDED CKTS:      | NONE               |              |      |                 |              |
| PACKAGING:        | BULK PK-40873-0041 |              |      |                 |              |
| CKTS              | MATERIAL NUMBER    | ENG NUMBER   | CKTS | MATERIAL NUMBER | ENG NUMBER   |
| 02                | 22-28-5026         | A-42375-0387 | 20   | 22-28-5206      | A-42375-0405 |
| 03                | 22-28-5036         | A-42375-0388 | 21   | 22-28-5216      | A-42375-0406 |
| 04                | 22-28-5046         | A-42375-0389 | 22   | 22-28-5226      | A-42375-0407 |
| 05                | 22-28-5056         | A-42375-0390 | 23   | 22-28-5236      | A-42375-0408 |
| 06                | 22-28-5066         | A-42375-0391 | 24   | 22-28-5246      | A-42375-0409 |
| 07                | 22-28-5076         | A-42375-0392 | 25   | 22-28-5256      | A-42375-0410 |
| 08                | 22-28-5086         | A-42375-0393 | 26   | 22-28-5266      | A-42375-0411 |
| 09                | 22-28-5096         | A-42375-0394 | 27   | 22-28-5276      | A-42375-0412 |
| 10                | 22-28-5106         | A-42375-0395 | 28   | 22-28-5286      | A-42375-0413 |
| 11                | 22-28-5116         | A-42375-0396 | 29   | 22-28-5296      | A-42375-0414 |
| 12                | 22-28-5126         | A-42375-0397 | 30   | 22-28-5306      | A-42375-0415 |
| 13                | 22-28-5136         | A-42375-0398 | 31   | 22-28-5316      | A-42375-0416 |
| 14                | 22-28-5146         | A-42375-0399 | 32   | 22-28-5326      | A-42375-0417 |
| 15                | 22-28-5156         | A-42375-0400 | 33   | 22-28-5336      | A-42375-0418 |
| 16                | 22-28-5166         | A-42375-0401 | 34   | 22-28-5346      | A-42375-0419 |
| 17                | 22-28-5176         | A-42375-0402 | 35   | 22-28-5356      | A-42375-0420 |
| 18                | 22-28-5186         | A-42375-0403 | 36   | 22-28-5366      | A-42375-0421 |
| 19                | 22-28-5196         | A-42375-0404 |      |                 |              |

REV:

**T15**ECR/ECN INFORMATION:

EC No.: UCP2009-1249

DATE: 12/2/2008

TITLE:**KK 100 HEADER ASSY  
FLAT VERTICAL  
BREAKAWAY**SHEET No.**- 7 -**DOCUMENT NUMBER:**SD- 42375-001**CREATED / REVISED BY:**MKIPPER**CHECKED BY:**JBELL**APPROVED BY:**FSMITH**

TEMPLATE FILENAME: PRODUCT\_SPEC(SIZE\_A)(V.1).DOC

42375

| ENG. NO: A-42375-0422/0456                       |                 |              |   |                 |              | ENG. NO: A-42375-0457/0491  |                 |              |                               |                 |              |
|--|-----------------|--------------|---|-----------------|--------------|---|-----------------|--------------|-------------------------------|-----------------|--------------|
| HEADER NUMBER:                                   |                 |              | 42312-0036  |                 |              | HEADER NUMBER:  |                 |              | 42312-0036                    |                 |              |
| PIN NUMBER:                                      |                 |              | 42663-AYA154  |                 |              | PIN NUMBER:   |                 |              | 42663-AYB208                  |                 |              |
| PIN LENGTH: L                                    |                 |              | .545 / 13.84  |                 |              | PIN LENGTH: L   |                 |              | .545 / 13.84                  |                 |              |
| MATING LENGTH: M                                 |                 |              | .320 / 8.13   |                 |              | MATING LENGTH: M  |                 |              | .320 / 8.13                   |                 |              |
| GOLD POINT: G                                    |                 |              | N/A   |                 |              | GOLD POINT: G   |                 |              | .140 / 3.56                   |                 |              |
| PC TAIL LENGTH: P                                |                 |              | .135 / 3.43   |                 |              | PC TAIL LENGTH: P   |                 |              | .135 / 3.43                   |                 |              |
| TIN: T   |                 |              | OVERALL   |                 |              | TIN: T  |                 |              | .135 / 3.43                   |                 |              |
| CKTS:  |                 |              | 2-36  |                 |              | CKTS:   |                 |              | 2-36                          |                 |              |
| KINKS:   |                 |              | SMES-42003  |                 |              | KINKS:  |                 |              | SMES-42003                    |                 |              |
| VOIDED CKTS:                                     |                 |              | NONE  |                 |              | VOIDED CKTS:  |                 |              | NONE                          |                 |              |
| PACKAGING:                                       |                 |              | BULK PK-40873-0041  |                 |              | PACKAGING:  |                 |              | BULK PK-40873-0041            |                 |              |
| CKTS   | MATERIAL NUMBER | ENG NUMBER   | CKTS  | MATERIAL NUMBER | ENG NUMBER   | CKTS  | MATERIAL NUMBER | ENG NUMBER   | CKTS                          | MATERIAL NUMBER | ENG NUMBER   |
| 02   | 22-28-5021      | A-42375-0422 | 20  | 22-28-5201      | A-42375-0440 | 02  | 22-28-5024      | A-42375-0457 | 20                            | 22-28-5204      | A-42375-0475 |
| 03   | 22-28-5031      | A-42375-0423 | 21  | 22-28-5211      | A-42375-0441 | 03  | 22-28-5034      | A-42375-0458 | 21                            | 22-28-5214      | A-42375-0476 |
| 04   | 22-28-5041      | A-42375-0424 | 22  | 22-28-5221      | A-42375-0442 | 04  | 22-28-5044      | A-42375-0459 | 22                            | 22-28-5224      | A-42375-0477 |
| 05   | 22-28-5051      | A-42375-0425 | 23  | 22-28-5231      | A-42375-0443 | 05  | 22-28-5054      | A-42375-0460 | 23                            | 22-28-5234      | A-42375-0478 |
| 06   | 22-28-5061      | A-42375-0426 | 24  | 22-28-5241      | A-42375-0444 | 06  | 22-28-5064      | A-42375-0461 | 24                            | 22-28-5244      | A-42375-0479 |
| 07   | 22-28-5071      | A-42375-0427 | 25  | 22-28-5251      | A-42375-0445 | 07  | 22-28-5074      | A-42375-0462 | 25                            | 22-28-5254      | A-42375-0480 |
| 08   | 22-28-5081      | A-42375-0428 | 26  | 22-28-5261      | A-42375-0446 | 08  | 22-28-5084      | A-42375-0463 | 26                            | 22-28-5264      | A-42375-0481 |
| 09   | 22-28-5091      | A-42375-0429 | 27  | 22-28-5271      | A-42375-0447 | 09  | 22-28-5094      | A-42375-0464 | 27                            | 22-28-5274      | A-42375-0482 |
| 10   | 22-28-5101      | A-42375-0430 | 28  | 22-28-5281      | A-42375-0448 | 10  | 22-28-5104      | A-42375-0465 | 28                            | 22-28-5284      | A-42375-0483 |
| 11   | 22-28-5111      | A-42375-0431 | 29  | 22-28-5291      | A-42375-0449 | 11  | 22-28-5114      | A-42375-0466 | 29                            | 22-28-5294      | A-42375-0484 |
| 12   | 22-28-5121      | A-42375-0432 | 30  | 22-28-5301      | A-42375-0450 | 12  | 22-28-5124      | A-42375-0467 | 30                            | 22-28-5304      | A-42375-0485 |
| 13   | 22-28-5131      | A-42375-0433 | 31  | 22-28-5311      | A-42375-0451 | 13  | 22-28-5134      | A-42375-0468 | 31                            | 22-28-5314      | A-42375-0486 |
| 14   | 22-28-5141      | A-42375-0434 | 32  | 22-28-5321      | A-42375-0452 | 14  | 22-28-5144      | A-42375-0469 | 32                            | 22-28-5324      | A-42375-0487 |
| 15   | 22-28-5151      | A-42375-0435 | 33  | 22-28-5331      | A-42375-0453 | 15  | 22-28-5154      | A-42375-0470 | 33                            | 22-28-5334      | A-42375-0488 |
| 16   | 22-28-5161      | A-42375-0436 | 34  | 22-28-5341      | A-42375-0454 | 16  | 22-28-5164      | A-42375-0471 | 34                            | 22-28-5344      | A-42375-0489 |
| 17   | 22-28-5171      | A-42375-0437 | 35  | 22-28-5351      | A-42375-0455 | 17  | 22-28-5174      | A-42375-0472 | 35                            | 22-28-5354      | A-42375-0490 |
| 18   | 22-28-5181      | A-42375-0438 | 36  | 22-28-5361      | A-42375-0456 | 18  | 22-28-5184      | A-42375-0473 | 36                            | 22-28-5364      | A-42375-0491 |
| 19   | 22-28-5191      | A-42375-0439 |   |                 |              | 19  | 22-28-5194      | A-42375-0474 |                               |                 |              |
| REV: <b>T15</b>                                  |                 |              | ECR/ECN INFORMATION:<br>EC No.: UCP2009-1249<br>DATE: 12/2/2008 |                 |              | TITLE:<br><b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> |                 |              | SHEET No.<br><b>- 8 -</b>     |                 |              |
| DOCUMENT NUMBER:<br><b>SD- 42375-001</b>         |                 |              | CREATED / REVISED BY:<br><b>MKIPPER</b>                         |                 |              | CHECKED BY:<br><b>JBELL</b>   |                 |              | APPROVED BY:<br><b>FSMITH</b> |                 |              |
| TEMPLATE FILENAME: PRODUCT_SPEC(SIZE_A)(V.1).DOC |                 |              |   |                 |              |   |                 |              |                               |                 |              |



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| ENG. NO: A-42375-0492/0526                       |                 |              |   |                 |              | ENG. NO: A-42375-0527/0561  |                 |              |                               |                 |              |
|--|-----------------|--------------|---|-----------------|--------------|---|-----------------|--------------|-------------------------------|-----------------|--------------|
| HEADER NUMBER:                                   |                 |              | 42312-0036  |                 |              | HEADER NUMBER:  |                 |              | 42312-0036                    |                 |              |
| PIN NUMBER:                                      |                 |              | 42663-AYB228  |                 |              | PIN NUMBER:   |                 |              | 42663-ARA154                  |                 |              |
| PIN LENGTH: L                                    |                 |              | .545 / 13.84  |                 |              | PIN LENGTH: L   |                 |              | .520 / 13.21                  |                 |              |
| MATING LENGTH: M                                 |                 |              | .320 / 8.13   |                 |              | MATING LENGTH: M  |                 |              | .295 / 7.49                   |                 |              |
| GOLD POINT: G                                    |                 |              | .140 / 3.56   |                 |              | GOLD POINT: G   |                 |              | N/A                           |                 |              |
| PC TAIL LENGTH: P                                |                 |              | .135 / 3.43   |                 |              | PC TAIL LENGTH: P   |                 |              | .135 / 3.43                   |                 |              |
| TIN: T   |                 |              | .135 / 3.43   |                 |              | TIN: T  |                 |              | OVERALL                       |                 |              |
| CKTS:  |                 |              | 2-36  |                 |              | CKTS:   |                 |              | 2-36                          |                 |              |
| KINKS:   |                 |              | SMES-42003  |                 |              | KINKS:  |                 |              | SMES-42003                    |                 |              |
| VOIDED CKTS:                                     |                 |              | NONE  |                 |              | VOIDED CKTS:  |                 |              | NONE                          |                 |              |
| PACKAGING:                                       |                 |              | BULK PK-40873-0041  |                 |              | PACKAGING:  |                 |              | BULK PK-40873-0041            |                 |              |
| CKTS   | MATERIAL NUMBER | ENG NUMBER   | CKTS  | MATERIAL NUMBER | ENG NUMBER   | CKTS  | MATERIAL NUMBER | ENG NUMBER   | CKTS                          | MATERIAL NUMBER | ENG NUMBER   |
| 02   | 22-28-5027      | A-42375-0492 | 20  | 22-28-5207      | A-42375-0510 | 02  | 22-28-5022      | A-42375-0527 | 20                            | 22-28-5202      | A-42375-0545 |
| 03   | 22-28-5037      | A-42375-0493 | 21  | 22-28-5217      | A-42375-0511 | 03  | 22-28-5032      | A-42375-0528 | 21                            | 22-28-5212      | A-42375-0546 |
| 04   | 22-28-5047      | A-42375-0494 | 22  | 22-28-5227      | A-42375-0512 | 04  | 22-28-5042      | A-42375-0529 | 22                            | 22-28-5222      | A-42375-0547 |
| 05   | 22-28-5057      | A-42375-0495 | 23  | 22-28-5237      | A-42375-0513 | 05  | 22-28-5052      | A-42375-0530 | 23                            | 22-28-5232      | A-42375-0548 |
| 06   | 22-28-5067      | A-42375-0496 | 24  | 22-28-5247      | A-42375-0514 | 06  | 22-28-5062      | A-42375-0531 | 24                            | 22-28-5242      | A-42375-0549 |
| 07   | 22-28-5077      | A-42375-0497 | 25  | 22-28-5257      | A-42375-0515 | 07  | 22-28-5072      | A-42375-0532 | 25                            | 22-28-5252      | A-42375-0550 |
| 08   | 22-28-5087      | A-42375-0498 | 26  | 22-28-5267      | A-42375-0516 | 08  | 22-28-5082      | A-42375-0533 | 26                            | 22-28-5262      | A-42375-0551 |
| 09   | 22-28-5097      | A-42375-0499 | 27  | 22-28-5277      | A-42375-0517 | 09  | 22-28-5092      | A-42375-0534 | 27                            | 22-28-5272      | A-42375-0552 |
| 10   | 22-28-5107      | A-42375-0500 | 28  | 22-28-5287      | A-42375-0518 | 10  | 22-28-5102      | A-42375-0535 | 28                            | 22-28-5282      | A-42375-0553 |
| 11   | 22-28-5117      | A-42375-0501 | 29  | 22-28-5297      | A-42375-0519 | 11  | 22-28-5112      | A-42375-0536 | 29                            | 22-28-5292      | A-42375-0554 |
| 12   | 22-28-5127      | A-42375-0502 | 30  | 22-28-5307      | A-42375-0520 | 12  | 22-28-5122      | A-42375-0537 | 30                            | 22-28-5302      | A-42375-0555 |
| 13   | 22-28-5137      | A-42375-0503 | 31  | 22-28-5317      | A-42375-0521 | 13  | 22-28-5132      | A-42375-0538 | 31                            | 22-28-5312      | A-42375-0556 |
| 14   | 22-28-5147      | A-42375-0504 | 32  | 22-28-5327      | A-42375-0522 | 14  | 22-28-5142      | A-42375-0539 | 32                            | 22-28-5322      | A-42375-0557 |
| 15   | 22-28-5157      | A-42375-0505 | 33  | 22-28-5337      | A-42375-0523 | 15  | 22-28-5152      | A-42375-0540 | 33                            | 22-28-5332      | A-42375-0558 |
| 16   | 22-28-5167      | A-42375-0506 | 34  | 22-28-5347      | A-42375-0524 | 16  | 22-28-5162      | A-42375-0541 | 34                            | 22-28-5342      | A-42375-0559 |
| 17   | 22-28-5177      | A-42375-0507 | 35  | 22-28-5357      | A-42375-0525 | 17  | 22-28-5172      | A-42375-0542 | 35                            | 22-28-5352      | A-42375-0560 |
| 18   | 22-28-5187      | A-42375-0508 | 36  | 22-28-5367      | A-42375-0526 | 18  | 22-28-5182      | A-42375-0543 | 36                            | 22-28-5362      | A-42375-0561 |
| 19   | 22-28-5197      | A-42375-0509 |   |                 |              | 19  | 22-28-5192      | A-42375-0544 |                               |                 |              |
| REV: <b>T15</b>                                  |                 |              | ECR/ECN INFORMATION:<br>EC No.: <b>UCP2009-1249</b><br>DATE: <b>12/2/2008</b> |                 |              | TITLE:<br><b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> |                 |              | SHEET No.<br><b>- 9 -</b>     |                 |              |
| DOCUMENT NUMBER:<br><b>SD- 42375-001</b>         |                 |              | CREATED / REVISED BY:<br><b>MKIPPER</b>                                       |                 |              | CHECKED BY:<br><b>JBELL</b>   |                 |              | APPROVED BY:<br><b>FSMITH</b> |                 |              |
| TEMPLATE FILENAME: PRODUCT_SPEC(SIZE_A)(V.1).DOC |                 |              |   |                 |              |   |                 |              |                               |                 |              |

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| ENG. NO: A-42375-0562/0596                       |                 |              |   |                 |              | ENG. NO: A-42375-0597/0631  |                 |              |                               |                 |              |
|--|-----------------|--------------|---|-----------------|--------------|---|-----------------|--------------|-------------------------------|-----------------|--------------|
| HEADER NUMBER:                                   |                 |              | 42312-0036  |                 |              | HEADER NUMBER:  |                 |              | 42312-0036                    |                 |              |
| PIN NUMBER:                                      |                 |              | 42663-ARB208  |                 |              | PIN NUMBER:   |                 |              | 42663-ARB228                  |                 |              |
| PIN LENGTH: L                                    |                 |              | .520 / 13.21  |                 |              | PIN LENGTH: L   |                 |              | .520 / 13.21                  |                 |              |
| MATING LENGTH: M                                 |                 |              | .295 / 7.49   |                 |              | MATING LENGTH: M  |                 |              | .295 / 7.49                   |                 |              |
| GOLD POINT: G                                    |                 |              | .140 / 3.56   |                 |              | GOLD POINT: G   |                 |              | .140 / 3.56                   |                 |              |
| PC TAIL LENGTH: P                                |                 |              | .135 / 3.43   |                 |              | PC TAIL LENGTH: P   |                 |              | .135 / 3.43                   |                 |              |
| TIN: T   |                 |              | .135 / 3.43   |                 |              | TIN: T  |                 |              | .135 / 3.43                   |                 |              |
| CKTS:  |                 |              | 2-36  |                 |              | CKTS:   |                 |              | 2-36                          |                 |              |
| KINKS:   |                 |              | SMES-42003  |                 |              | KINKS:  |                 |              | SM ES-42003                   |                 |              |
| VOIDED CKTS:                                     |                 |              | NONE  |                 |              | VOIDED CKTS:  |                 |              | NONE                          |                 |              |
| PACKAGING:                                       |                 |              | BULK PK-40873-0041  |                 |              | PACKAGING:  |                 |              | BULK PK-40873-0041            |                 |              |
| CKTS   | MATERIAL NUMBER | ENG NUMBER   | CKTS  | MATERIAL NUMBER | ENG NUMBER   | CKTS  | MATERIAL NUMBER | ENG NUMBER   | CKTS                          | MATERIAL NUMBER | ENG NUMBER   |
| 02   | 22-28-5025      | A-42375-0562 | 20  | 22-28-5205      | A-42375-0580 | 02  | 22-28-5028      | A-42375-0597 | 20                            | 22-28-5208      | A-42375-0615 |
| 03   | 22-28-5035      | A-42375-0563 | 21  | 22-28-5215      | A-42375-0581 | 03  | 22-28-5038      | A-42375-0598 | 21                            | 22-28-5218      | A-42375-0616 |
| 04   | 22-28-5045      | A-42375-0564 | 22  | 22-28-5225      | A-42375-0582 | 04  | 22-28-5048      | A-42375-0599 | 22                            | 22-28-5228      | A-42375-0617 |
| 05   | 22-28-5055      | A-42375-0565 | 23  | 22-28-5235      | A-42375-0583 | 05  | 22-28-5058      | A-42375-0600 | 23                            | 22-28-5238      | A-42375-0618 |
| 06   | 22-28-5065      | A-42375-0566 | 24  | 22-28-5245      | A-42375-0584 | 06  | 22-28-5068      | A-42375-0601 | 24                            | 22-28-5248      | A-42375-0619 |
| 07   | 22-28-5075      | A-42375-0567 | 25  | 22-28-5255      | A-42375-0585 | 07  | 22-28-5078      | A-42375-0602 | 25                            | 22-28-5258      | A-42375-0620 |
| 08   | 22-28-5085      | A-42375-0568 | 26  | 22-28-5265      | A-42375-0586 | 08  | 22-28-5088      | A-42375-0603 | 26                            | 22-28-5268      | A-42375-0621 |
| 09   | 22-28-5095      | A-42375-0569 | 27  | 22-28-5275      | A-42375-0587 | 09  | 22-28-5098      | A-42375-0604 | 27                            | 22-28-5278      | A-42375-0622 |
| 10   | 22-28-5105      | A-42375-0570 | 28  | 22-28-5285      | A-42375-0588 | 10  | 22-28-5108      | A-42375-0605 | 28                            | 22-28-5288      | A-42375-0623 |
| 11   | 22-28-5115      | A-42375-0571 | 29  | 22-28-5295      | A-42375-0589 | 11  | 22-28-5118      | A-42375-0606 | 29                            | 22-28-5298      | A-42375-0624 |
| 12   | 22-28-5125      | A-42375-0572 | 30  | 22-28-5305      | A-42375-0590 | 12  | 22-28-5128      | A-42375-0607 | 30                            | 22-28-5308      | A-42375-0625 |
| 13   | 22-28-5135      | A-42375-0573 | 31  | 22-28-5315      | A-42375-0591 | 13  | 22-28-5138      | A-42375-0608 | 31                            | 22-28-5318      | A-42375-0626 |
| 14   | 22-28-5145      | A-42375-0574 | 32  | 22-28-5325      | A-42375-0592 | 14  | 22-28-5148      | A-42375-0609 | 32                            | 22-28-5328      | A-42375-0627 |
| 15   | 22-28-5155      | A-42375-0575 | 33  | 22-28-5335      | A-42375-0593 | 15  | 22-28-5158      | A-42375-0610 | 33                            | 22-28-5338      | A-42375-0628 |
| 16   | 22-28-5165      | A-42375-0576 | 34  | 22-28-5345      | A-42375-0594 | 16  | 22-28-5168      | A-42375-0611 | 34                            | 22-28-5348      | A-42375-0629 |
| 17   | 22-28-5175      | A-42375-0577 | 35  | 22-28-5355      | A-42375-0595 | 17  | 22-28-5178      | A-42375-0612 | 35                            | 22-28-5358      | A-42375-0630 |
| 18   | 22-28-5185      | A-42375-0578 | 36  | 22-28-5365      | A-42375-0596 | 18  | 22-28-5188      | A-42375-0613 | 36                            | 22-28-5368      | A-42375-0631 |
| 19   | 22-28-5195      | A-42375-0579 |   |                 |              | 19  | 22-28-5198      | A-42375-0614 |                               |                 |              |
| REV: <b>T15</b>                                  |                 |              | ECR/ECN INFORMATION:<br>EC No.: <b>UCP2009-1249</b><br>DATE: <b>12/2/2008</b> |                 |              | TITLE:<br><b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> |                 |              | SHEET No.<br><b>- 10 -</b>    |                 |              |
| DOCUMENT NUMBER:<br><b>SD- 42375-001</b>         |                 |              | CREATED / REVISED BY:<br><b>MKIPPER</b>                                       |                 |              | CHECKED BY:<br><b>JBELL</b>   |                 |              | APPROVED BY:<br><b>FSMITH</b> |                 |              |
| TEMPLATE FILENAME: PRODUCT_SPEC(SIZE_A)(V.1).DOC |                 |              |   |                 |              |   |                 |              |                               |                 |              |

42375

ENG. NO: A-42375-0667/0699

| CKTS | MATERIAL NUMBER | ENG NUMBER   | CKTS | MATERIAL NUMBER | ENG NUMBER   |
|------|-----------------|--------------|------|-----------------|--------------|
| 02   |                 |              | 20   | 42375-0683      | A-42375-0683 |
| 03   |                 |              | 21   | 42375-0684      | A-42375-0684 |
| 04   | 42375-0667      | A-42375-0667 | 22   | 42375-0685      | A-42375-0685 |
| 05   | 42375-0668      | A-42375-0668 | 23   | 42375-0686      | A-42375-0686 |
| 06   | 22-30-3060      | A-42375-0669 | 24   | 42375-0687      | A-42375-0687 |
| 07   | 42375-0670      | A-42375-0670 | 25   | 42375-0688      | A-42375-0688 |
| 08   | 42375-0671      | A-42375-0671 | 26   | 42375-0689      | A-42375-0689 |
| 09   | 42375-0672      | A-42375-0672 | 27   | 42375-0690      | A-42375-0690 |
| 10   | 42375-0673      | A-42375-0673 | 28   | 42375-0691      | A-42375-0691 |
| 11   | 42375-0674      | A-42375-0674 | 29   | 42375-0692      | A-42375-0692 |
| 12   | 22-30-3120      | A-42375-0675 | 30   | 42375-0693      | A-42375-0693 |
| 13   | 42375-0676      | A-42375-0676 | 31   | 42375-0694      | A-42375-0694 |
| 14   | 42375-0677      | A-42375-0677 | 32   | 42375-0695      | A-42375-0695 |
| 15   | 42375-0678      | A-42375-0678 | 33   | 42375-0696      | A-42375-0696 |
| 16   | 42375-0679      | A-42375-0679 | 34   | 42375-0697      | A-42375-0697 |
| 17   | 42375-0680      | A-42375-0680 | 35   | 42375-0698      | A-42375-0698 |
| 18   | 42375-0681      | A-42375-0681 | 36   | 42375-0699      | A-42375-0699 |
| 19   | 42375-0682      | A-42375-0682 |      |                 |              |

ENG. NO: A-42375-0700/0732

| CKTS | MATERIAL NUMBER | ENG NUMBER   | CKTS | MATERIAL NUMBER | ENG NUMBER   |
|------|-----------------|--------------|------|-----------------|--------------|
| 02   |                 |              | 20   | 42375-0716      | A-42375-0716 |
| 03   |                 |              | 21   | 42375-0717      | A-42375-0717 |
| 04   | 42375-0700      | A-42375-0700 | 22   | 42375-0718      | A-42375-0718 |
| 05   | 42375-0701      | A-42375-0701 | 23   | 42375-0719      | A-42375-0719 |
| 06   | 22-30-3061      | A-42375-0702 | 24   | 42375-0720      | A-42375-0720 |
| 07   | 42375-0703      | A-42375-0703 | 25   | 42375-0721      | A-42375-0721 |
| 08   | 42375-0704      | A-42375-0704 | 26   | 42375-0722      | A-42375-0722 |
| 09   | 42375-0705      | A-42375-0705 | 27   | 42375-0723      | A-42375-0723 |
| 10   | 42375-0706      | A-42375-0706 | 28   | 42375-0724      | A-42375-0724 |
| 11   | 42375-0707      | A-42375-0707 | 29   | 42375-0725      | A-42375-0725 |
| 12   | 42375-0708      | A-42375-0708 | 30   | 42375-0726      | A-42375-0726 |
| 13   | 42375-0709      | A-42375-0709 | 31   | 42375-0727      | A-42375-0727 |
| 14   | 42375-0710      | A-42375-0710 | 32   | 42375-0728      | A-42375-0728 |
| 15   | 42375-0711      | A-42375-0711 | 33   | 42375-0729      | A-42375-0729 |
| 16   | 42375-0712      | A-42375-0712 | 34   | 42375-0730      | A-42375-0730 |
| 17   | 42375-0713      | A-42375-0713 | 35   | 42375-0731      | A-42375-0731 |
| 18   | 42375-0714      | A-42375-0714 | 36   | 42375-0732      | A-42375-0732 |
| 19   | 42375-0715      | A-42375-0715 |      |                 |              |

|   |  |  |                                      |
|---|--|--|--------------------------------------|
| REV:<br><b>T15</b>                              | <u>ECR/ECN INFORMATION:</u><br>EC No.: <b>UCP2009-1249</b><br>DATE: <b>12/2/2008</b> | <u>TITLE:</u><br><b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> | <u>SHEET No.</u><br><b>- 11 -</b>    |
| <u>DOCUMENT NUMBER:</u><br><b>SD- 42375-001</b> | <u>CREATED / REVISED BY:</u><br><b>MKIPPER</b>                                       | <u>CHECKED BY:</u><br><b>JBELL</b>   | <u>APPROVED BY:</u><br><b>FSMITH</b> |

TEMPLATE FILENAME: PRODUCT\_SPEC(SIZE\_A)(V.1).DOC

ENG. NO: A-42375-0836/0870

| HEADER NUMBER:    | 42312-0036         |              |      |                 |              |
|-------------------|--------------------|--------------|------|-----------------|--------------|
| PIN NUMBER:       | 42663-BSA154       |              |      |                 |              |
| PIN LENGTH: L     | .630 / 16.00       |              |      |                 |              |
| MATING LENGTH: M  | .405/10.29         |              |      |                 |              |
| GOLD POINT: G     | N/A                |              |      |                 |              |
| PC TAIL LENGTH: P | .135/3.43          |              |      |                 |              |
| TIN: T            | OVERALL            |              |      |                 |              |
| CKTS:             | 2-36               |              |      |                 |              |
| KINKS:            | YES                |              |      |                 |              |
| VOIDED CKTS:      | NONE               |              |      |                 |              |
| PACKAGING:        | BULK PK-40873-0041 |              |      |                 |              |
| CKTS              | MATERIAL NUMBER    | ENG NUMBER   | CKTS | MATERIAL NUMBER | ENG NUMBER   |
| 02                |                    | A-42375-0836 | 20   | 22-30-3203      | A-42375-0854 |
| 03                | 22-30-3033         | A-42375-0837 | 21   | 22-30-3213      | A-42375-0855 |
| 04                | 22-30-3043         | A-42375-0838 | 22   | 22-30-3223      | A-42375-0856 |
| 05                | 22-30-3053         | A-42375-0839 | 23   | 22-30-3233      | A-42375-0857 |
| 06                | 22-30-3063         | A-42375-0840 | 24   | 22-30-3243      | A-42375-0858 |
| 07                | 22-30-3073         | A-42375-0841 | 25   | 22-30-3253      | A-42375-0859 |
| 08                | 22-30-3083         | A-42375-0842 | 26   | 22-30-3263      | A-42375-0860 |
| 09                | 22-30-3093         | A-42375-0843 | 27   | 22-30-3273      | A-42375-0861 |
| 10                | 22-30-3103         | A-42375-0844 | 28   | 22-30-3283      | A-42375-0862 |
| 11                | 22-30-3113         | A-42375-0845 | 29   | 22-30-3293      | A-42375-0863 |
| 12                | 22-30-3123         | A-42375-0846 | 30   | 22-30-3303      | A-42375-0864 |
| 13                | 22-30-3133         | A-42375-0847 | 31   | 22-30-3313      | A-42375-0865 |
| 14                | 22-30-3143         | A-42375-0848 | 32   | 22-30-3323      | A-42375-0866 |
| 15                | 22-30-3153         | A-42375-0849 | 33   | 22-30-3333      | A-42375-0867 |
| 16                | 22-30-3163         | A-42375-0850 | 34   | 22-30-3343      | A-42375-0868 |
| 17                | 22-30-3173         | A-42375-0851 | 35   | 22-30-3353      | A-42375-0869 |
| 18                | 22-30-3183         | A-42375-0852 | 36   | 22-30-3363      | A-42375-0870 |
| 19                | 22-30-3193         | A-42375-0853 |      |                 |              |

|   |  |  |                                      |
|---|--|--|--------------------------------------|
| REV:<br><b>T15</b>                              | <u>ECR/ECN INFORMATION:</u><br>EC No.: <b>UCP2009-1249</b><br>DATE: <b>12/2/2008</b> | <u>TITLE:</u><br><b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> | <u>SHEET No.</u><br><b>- 12 -</b>    |
| <u>DOCUMENT NUMBER:</u><br><b>SD- 42375-001</b> | <u>CREATED / REVISED BY:</u><br><b>MKIPPER</b>                                       | <u>CHECKED BY:</u><br><b>JBELL</b>   | <u>APPROVED BY:</u><br><b>FSMITH</b> |

TEMPLATE FILENAME: PRODUCT\_SPEC(SIZE\_A)(V.1).DOC

42375

| ENG. NO: A-42375-0871/0904                       |                 |              |   |                 |              | ENG. NO: A-42375-0973/1001  |                 |              |                               |                 |              |
|--|-----------------|--------------|---|-----------------|--------------|---|-----------------|--------------|-------------------------------|-----------------|--------------|
| HEADER NUMBER:                                   |                 |              | 42312-0036  |                 |              | HEADER NUMBER:  |                 |              | 42312-0036                    |                 |              |
| PIN NUMBER:                                      |                 |              | 42663-ATA154  |                 |              | PIN NUMBER:   |                 |              | 42663-ABA154                  |                 |              |
| PIN LENGTH: L                                    |                 |              | .530 / 13.46  |                 |              | PIN LENGTH: L   |                 |              | .455 / 11.56                  |                 |              |
| MATING LENGTH: M                                 |                 |              | .320 / 8.13   |                 |              | MATING LENGTH: M  |                 |              | .240 / 6.09                   |                 |              |
| GOLD POINT: G                                    |                 |              | N/A   |                 |              | GOLD POINT: G   |                 |              | N/A                           |                 |              |
| PC TAIL LENGTH: P                                |                 |              | .120 / 3.05   |                 |              | PC TAIL LENGTH: P   |                 |              | .125 / 3.18                   |                 |              |
| TIN: T   |                 |              | OVERALL   |                 |              | TIN: T  |                 |              | OVERALL                       |                 |              |
| CKTS:  |                 |              | 3-36  |                 |              | CKTS:   |                 |              | 8-36                          |                 |              |
| KINKS:   |                 |              | NO  |                 |              | KINKS:  |                 |              | NO                            |                 |              |
| VOIDED CKTS:                                     |                 |              | 2   |                 |              | VOIDED CKTS:  |                 |              | 3,8                           |                 |              |
| PACKAGING:                                       |                 |              | BULK PK-40873-0041  |                 |              | PACKAGING:  |                 |              | BULK PK-40873-0041            |                 |              |
| CKTS   | MATERIAL NUMBER | ENG NUMBER   | CKTS  | MATERIAL NUMBER | ENG NUMBER   | CKTS  | MATERIAL NUMBER | ENG NUMBER   | CKTS                          | MATERIAL NUMBER | ENG NUMBER   |
| 02   |                 |              | 20  | 22-30-3204      | A-42375-0888 | 02  |                 |              | 20                            | 42375-0985      | A-42375-0985 |
| 03   | 22-30-3034      | A-42375-0871 | 21  | 22-30-3214      | A-42375-0889 | 03  |                 |              | 21                            | 42375-0986      | A-42375-0986 |
| 04   | 22-30-3044      | A-42375-0872 | 22  | 22-30-3224      | A-42375-0890 | 04  |                 |              | 22                            | 42375-0987      | A-42375-0987 |
| 05   | 22-30-3054      | A-42375-0873 | 23  | 22-30-3234      | A-42375-0891 | 05  |                 |              | 23                            | 42375-0988      | A-42375-0988 |
| 06   | 22-30-3064      | A-42375-0874 | 24  | 22-30-3244      | A-42375-0892 | 06  |                 |              | 24                            | 42375-0989      | A-42375-0989 |
| 07   | 22-30-3074      | A-42375-0875 | 25  | 22-30-3254      | A-42375-0893 | 07  |                 |              | 25                            | 42375-0990      | A-42375-0990 |
| 08   | 22-30-3084      | A-42375-0876 | 26  | 22-30-3264      | A-42375-0894 | 08  | 42375-0973      | A-42375-0973 | 26                            | 42375-0991      | A-42375-0991 |
| 09   | 22-30-3094      | A-42375-0877 | 27  | 22-30-3274      | A-42375-0895 | 09  | 42375-0974      | A-42375-0974 | 27                            | 42375-0992      | A-42375-0992 |
| 10   | 22-30-3104      | A-42375-0878 | 28  | 22-30-3284      | A-42375-0896 | 10  | 22-30-3107      | A-42375-0975 | 28                            | 42375-0993      | A-42375-0993 |
| 11   | 22-30-3114      | A-42375-0879 | 29  | 22-30-3294      | A-42375-0897 | 11  | 42375-0976      | A-42375-0976 | 29                            | 42375-0994      | A-42375-0994 |
| 12   | 22-30-3124      | A-42375-0880 | 30  | 22-30-3304      | A-42375-0898 | 12  | 42375-0977      | A-42375-0977 | 30                            | 42375-0995      | A-42375-0995 |
| 13   | 22-30-3134      | A-42375-0881 | 31  | 22-30-3314      | A-42375-0899 | 13  | 42375-0978      | A-42375-0978 | 31                            | 42375-0996      | A-42375-0996 |
| 14   | 22-30-3144      | A-42375-0882 | 32  | 22-30-3324      | A-42375-0900 | 14  | 42375-0979      | A-42375-0979 | 32                            | 42375-0997      | A-42375-0997 |
| 15   | 22-30-3154      | A-42375-0883 | 33  | 22-30-3334      | A-42375-0901 | 15  | 42375-0980      | A-42375-0980 | 33                            | 42375-0998      | A-42375-0998 |
| 16   | 22-30-3164      | A-42375-0884 | 34  | 22-30-3344      | A-42375-0902 | 16  | 42375-0981      | A-42375-0981 | 34                            | 42375-0999      | A-42375-0999 |
| 17   | 22-30-3174      | A-42375-0885 | 35  | 22-30-3354      | A-42375-0903 | 17  | 42375-0982      | A-42375-0982 | 35                            | 42375-1000      | A-42375-1000 |
| 18   | 22-30-3184      | A-42375-0886 | 36  | 22-30-3364      | A-42375-0904 | 18  | 42375-0983      | A-42375-0983 | 36                            | 42375-1001      | A-42375-1001 |
| 19   | 22-30-3194      | A-42375-0887 |   |                 |              | 19  | 42375-0984      | A-42375-0984 |                               |                 |              |
| REV: <b>T15</b>                                  |                 |              | ECR/ECN INFORMATION:<br>EC No.: <b>UCP2009-1249</b><br>DATE: <b>12/2/2008</b> |                 |              | TITLE:<br><b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> |                 |              | SHEET No.<br><b>- 13 -</b>    |                 |              |
| DOCUMENT NUMBER:<br><b>SD- 42375-001</b>         |                 |              | CREATED / REVISED BY:<br><b>MKIPPER</b>                                       |                 |              | CHECKED BY:<br><b>JBELL</b>   |                 |              | APPROVED BY:<br><b>FSMITH</b> |                 |              |
| TEMPLATE FILENAME: PRODUCT_SPEC(SIZE_A)(V.1).DOC |                 |              |   |                 |              |   |                 |              |                               |                 |              |

| ENG. NO: A-42375-1105/1139                      |                 |  |      |  |  | ENG. NO: 42375-1244/1278           |             |                                      |                                   |  |
|---|-----------------|--|------|--|--|------------------------------------|-------------|--------------------------------------|-----------------------------------|--|
| HEADER NUMBER:                                  |                 | 42312-0036   |      |  |  | HEADER NUMBER:                     |             | 42312-0036                           |                                   |  |
| PIN NUMBER:                                     |                 | 42663-ABB208   |      |  |  | PIN NUMBER:                        |             | 42663-ABA154                         |                                   |  |
| PIN LENGTH: L                                   |                 | .455 / 11.56   |      |  |  | PIN LENGTH: L                      |             | .455 / 11.56                         |                                   |  |
| MATING LENGTH: M                                |                 | .240 / 6.09  |      |  |  | MATING LENGTH: M                   |             | .240 / 6.09                          |                                   |  |
| GOLD POINT: G                                   |                 | .100 / 2.54  |      |  |  | GOLD POINT: G                      |             | N/A                                  |                                   |  |
| PC TAIL LENGTH: P                               |                 | .125 / 3.18  |      |  |  | PC TAIL LENGTH: P                  |             | .125 / 3.18                          |                                   |  |
| TIN: T  |                 | .100 / 2.54  |      |  |  | TIN: T                             |             | OVERALL                              |                                   |  |
| CKTS:   |                 | 2-36   |      |  |  | CKTS:                              |             | 2-36                                 |                                   |  |
| KINKS:  |                 | NO   |      |  |  | KINKS:                             |             | NO                                   |                                   |  |
| VOIDED CKTS:                                    |                 | 2  |      |  |  | VOIDED CKTS:                       |             | 2                                    |                                   |  |
| PACKAGING:                                      |                 | BULK PK-40873-0041   |      |  |  | PACKAGING:                         |             | BULK PK-40873-0041                   |                                   |  |
| CKTS  | MATERIAL NUMBER | ENG NUMBER   | CKTS | MATERIAL NUMBER                                | ENG NUMBER   | CKTS                               | ITEM NUMBER | CKTS                                 | ITEM NUMBER                       |  |
| 02  | 42375-1105      | A-42375-1105   | 20   | 42375-1123                                     | A-42375-1123   | 02                                 | 42375-1244  | 20                                   | 42375-1262                        |  |
| 03  | 42375-1106      | A-42375-1106   | 21   | 42375-1124                                     | A-42375-1124   | 03                                 | 42375-1245  | 21                                   | 42375-1263                        |  |
| 04  | 42375-1107      | A-42375-1107   | 22   | 42375-1125                                     | A-42375-1125   | 04                                 | 42375-1246  | 22                                   | 42375-1264                        |  |
| 05  | 42375-1108      | A-42375-1108   | 23   | 42375-1126                                     | A-42375-1126   | 05                                 | 42375-1247  | 23                                   | 42375-1265                        |  |
| 06  | 42375-1109      | A-42375-1109   | 24   | 42375-1127                                     | A-42375-1127   | 06                                 | 42375-1248  | 24                                   | 42375-1266                        |  |
| 07  | 42375-1110      | A-42375-1110   | 25   | 42375-1128                                     | A-42375-1128   | 07                                 | 42375-1249  | 25                                   | 42375-1267                        |  |
| 08  | 42375-1111      | A-42375-1111   | 26   | 42375-1129                                     | A-42375-1129   | 08                                 | 42375-1250  | 26                                   | 42375-1268                        |  |
| 09  | 22-30-3099      | A-42375-1112   | 27   | 42375-1130                                     | A-42375-1130   | 09                                 | 42375-1251  | 27                                   | 42375-1269                        |  |
| 10  | 42375-1113      | A-42375-1113   | 28   | 42375-1131                                     | A-42375-1131   | 10                                 | 42375-1252  | 28                                   | 42375-1270                        |  |
| 11  | 42375-1114      | A-42375-1114   | 29   | 42375-1132                                     | A-42375-1132   | 11                                 | 42375-1253  | 29                                   | 42375-1271                        |  |
| 12  | 42375-1115      | A-42375-1115   | 30   | 42375-1133                                     | A-42375-1133   | 12                                 | 42375-1254  | 30                                   | 42375-1272                        |  |
| 13  | 42375-1116      | A-42375-1116   | 31   | 42375-1134                                     | A-42375-1134   | 13                                 | 42375-1255  | 31                                   | 42375-1273                        |  |
| 14  | 42375-1117      | A-42375-1117   | 32   | 42375-1135                                     | A-42375-1135   | 14                                 | 42375-1256  | 32                                   | 42375-1274                        |  |
| 15  | 42375-1118      | A-42375-1118   | 33   | 42375-1136                                     | A-42375-1136   | 15                                 | 42375-1257  | 33                                   | 42375-1275                        |  |
| 16  | 42375-1119      | A-42375-1119   | 34   | 42375-1137                                     | A-42375-1137   | 16                                 | 42375-1258  | 34                                   | 42375-1276                        |  |
| 17  | 42375-1120      | A-42375-1120   | 35   | 42375-1138                                     | A-42375-1138   | 17                                 | 42375-1259  | 35                                   | 42375-1277                        |  |
| 18  | 42375-1121      | A-42375-1121   | 36   | 42375-1139                                     | A-42375-1139   | 18                                 | 42375-1260  | 36                                   | 42375-1278                        |  |
| 19  | 42375-1122      | A-42375-1122   |      |  |  | 19                                 | 42375-1261  |                                      |                                   |  |
| REV: <b>T15</b>                                 |                 | <u>ECR/ECN INFORMATION:</u><br>EC No.: <b>UCP2009-1249</b><br>DATE: <b>12/2/2008</b> |      |  | <u>TITLE:</u><br><b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> |                                    |             |                                      | <u>SHEET No.</u><br><b>- 14 -</b> |  |
| <u>DOCUMENT NUMBER:</u><br><b>SD- 42375-001</b> |                 |  |      | <u>CREATED / REVISED BY:</u><br><b>MKIPPER</b> |  | <u>CHECKED BY:</u><br><b>JBELL</b> |             | <u>APPROVED BY:</u><br><b>FSMITH</b> |                                   |  |

| ENG. NO: 42375-1349/1382  |             |  |             | ENG. NO: 42375-1515/1548   |             |                                    |             |                                      |  |
|---|-------------|--|-------------|--|-------------|------------------------------------|-------------|--------------------------------------|--|
| HEADER NUMBER:  |             | 42312-0036   |             | HEADER NUMBER:   |             | 42312-0036                         |             |                                      |  |
| PIN NUMBER:   |             | 42663-ABA154   |             | PIN NUMBER:  |             | 42663-ABB208                       |             |                                      |  |
| PIN LENGTH: L   |             | .455 / 11.56   |             | PIN LENGTH: L  |             | .455 / 11.56                       |             |                                      |  |
| MATING LENGTH: M  |             | .230 / 5.84  |             | MATING LENGTH: M   |             | .230 / 5.84                        |             |                                      |  |
| GOLD POINT: G   |             | N/A  |             | GOLD POINT: G  |             | .140 / 3.56                        |             |                                      |  |
| PC TAIL LENGTH: P   |             | .135 / 3.43  |             | PC TAIL LENGTH: P  |             | .135 / 3.43                        |             |                                      |  |
| TIN: T  |             | OVERALL  |             | TIN: T   |             | .100 / 2.54                        |             |                                      |  |
| CKTS:   |             | 3-36   |             | CKTS:  |             | 3-36                               |             |                                      |  |
| KINKS:  |             | SMES-42003   |             | KINKS:   |             | SMES-42003                         |             |                                      |  |
| VOIDED CKTS:  |             | 2  |             | VOIDED CKTS:   |             | 2                                  |             |                                      |  |
| PACKAGING:  |             | BULK PK-40873-0041   |             | PACKAGING:   |             | BULK PK-40873-0041                 |             |                                      |  |
| CKTS  | ITEM NUMBER | CKTS   | ITEM NUMBER | CKTS   | ITEM NUMBER | CKTS                               | ITEM NUMBER |                                      |  |
| 02  |             | 20   | 42375-1366  | 02   |             | 20                                 | 42375-1532  |                                      |  |
| 03  | 42375-1349  | 21   | 42375-1367  | 03   | 42375-1515  | 21                                 | 42375-1533  |                                      |  |
| 04  | 42375-1350  | 22   | 42375-1368  | 04   | 42375-1516  | 22                                 | 42375-1534  |                                      |  |
| 05  | 42375-1351  | 23   | 42375-1369  | 05   | 42375-1517  | 23                                 | 42375-1535  |                                      |  |
| 06  | 42375-1352  | 24   | 42375-1370  | 06   | 42375-1518  | 24                                 | 42375-1536  |                                      |  |
| 07  | 42375-1353  | 25   | 42375-1371  | 07   | 42375-1519  | 25                                 | 42375-1537  |                                      |  |
| 08  | 42375-1354  | 26   | 42375-1372  | 08   | 42375-1520  | 26                                 | 42375-1538  |                                      |  |
| 09  | 42375-1355  | 27   | 42375-1373  | 09   | 42375-1521  | 27                                 | 42375-1539  |                                      |  |
| 10  | 42375-1356  | 28   | 42375-1374  | 10   | 42375-1522  | 28                                 | 42375-1540  |                                      |  |
| 11  | 42375-1357  | 29   | 42375-1375  | 11   | 42375-1523  | 29                                 | 42375-1541  |                                      |  |
| 12  | 42375-1358  | 30   | 42375-1376  | 12   | 42375-1524  | 30                                 | 42375-1542  |                                      |  |
| 13  | 42375-1359  | 31   | 42375-1377  | 13   | 42375-1525  | 31                                 | 42375-1543  |                                      |  |
| 14  | 42375-1360  | 32   | 42375-1378  | 14   | 42375-1526  | 32                                 | 42375-1544  |                                      |  |
| 15  | 42375-1361  | 33   | 42375-1379  | 15   | 42375-1527  | 33                                 | 42375-1545  |                                      |  |
| 16  | 42375-1362  | 34   | 42375-1380  | 16   | 42375-1528  | 34                                 | 42375-1546  |                                      |  |
| 17  | 42375-1363  | 35   | 42375-1381  | 17   | 42375-1529  | 35                                 | 42375-1547  |                                      |  |
| 18  | 42375-1364  | 36   | 42375-1382  | 18   | 42375-1530  | 36                                 | 42375-1548  |                                      |  |
| 19  | 42375-1365  |  |             | 19   | 42375-1531  |                                    |             |                                      |  |
| REV: <b>T15</b>   |             | <u>ECR/ECN INFORMATION:</u><br>EC No.: <b>UCP2009-1249</b><br>DATE: <b>12/2/2008</b> |             | <u>TITLE:</u><br><b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> |             |                                    |             | <u>SHEET No.</u><br><b>- 15 -</b>    |  |
| <u>DOCUMENT NUMBER:</u><br><b>SD- 42375-001</b>                 |             |  |             | <u>CREATED / REVISED BY:</u><br><b>MKIPPER</b>                             |             | <u>CHECKED BY:</u><br><b>JBELL</b> |             | <u>APPROVED BY:</u><br><b>FSMITH</b> |  |
| <small>TEMPLATE FILENAME: PRODUCT_SPEC(SIZE_A)(V.1).DOC</small> |             |  |             |  |             |                                    |             |                                      |  |

| ENG. NO: 42375-1720/1753                 |             |   |             | ENG. NO: 42375-1855/1889  |             |                             |             |                               |  |
|--|-------------|---|-------------|---|-------------|-----------------------------|-------------|-------------------------------|--|
| HEADER NUMBER:                           |             | 42312-0036  |             | HEADER NUMBER:  |             | 42312-0036                  |             |                               |  |
| PIN NUMBER:                              |             | 42663-ABB208  |             | PIN NUMBER:   |             | 42663-CJA154                |             |                               |  |
| PIN LENGTH: L                            |             | .455 / 11.56  |             | PIN LENGTH: L   |             | .700 / 17.78                |             |                               |  |
| MATING LENGTH: M                         |             | .240 / 6.09   |             | MATING LENGTH: M  |             | .488 / 12.40                |             |                               |  |
| GOLD POINT: G                            |             | .140 / 3.56   |             | GOLD POINT: G   |             | N/A                         |             |                               |  |
| PC TAIL LENGTH: P                        |             | .125 / 3.18   |             | PC TAIL LENGTH: P   |             | .122 / 3.10                 |             |                               |  |
| TIN: T                                   |             | .100 / 2.54   |             | TIN: T  |             | OVERALL                     |             |                               |  |
| CKTS:                                    |             | 3-36  |             | CKTS:   |             | 2-36                        |             |                               |  |
| KINKS:                                   |             | NO  |             | KINKS:  |             | NO                          |             |                               |  |
| VOIDED CKTS:                             |             | 3   |             | VOIDED CKTS:  |             | NONE                        |             |                               |  |
| PACKAGING:                               |             | BULK PK-40873-0041  |             | PACKAGING:  |             | BULK PK-40873-0041          |             |                               |  |
| CKTS                                     | ITEM NUMBER | CKTS  | ITEM NUMBER | CKTS  | ITEM NUMBER | CKTS                        | ITEM NUMBER |                               |  |
| 02                                       |             | 20  | 42375-1737  | 02  | 42375-1855  | 20                          | 42375-1873  |                               |  |
| 03                                       | 42375-1720  | 21  | 42375-1738  | 03  | 42375-1856  | 21                          | 42375-1874  |                               |  |
| 04                                       | 42375-1721  | 22  | 42375-1739  | 04  | 42375-1857  | 22                          | 42375-1875  |                               |  |
| 05                                       | 42375-1722  | 23  | 42375-1740  | 05  | 42375-1858  | 23                          | 42375-1876  |                               |  |
| 06                                       | 42375-1723  | 24  | 42375-1741  | 06  | 42375-1859  | 24                          | 42375-1877  |                               |  |
| 07                                       | 42375-1724  | 25  | 42375-1742  | 07  | 42375-1860  | 25                          | 42375-1878  |                               |  |
| 08                                       | 42375-1725  | 26  | 42375-1743  | 08  | 42375-1861  | 26                          | 42375-1879  |                               |  |
| 09                                       | 42375-1726  | 27  | 42375-1744  | 09  | 42375-1862  | 27                          | 42375-1880  |                               |  |
| 10                                       | 42375-1727  | 28  | 42375-1745  | 10  | 42375-1863  | 28                          | 42375-1881  |                               |  |
| 11                                       | 42375-1728  | 29  | 42375-1746  | 11  | 42375-1864  | 29                          | 42375-1882  |                               |  |
| 12                                       | 42375-1729  | 30  | 42375-1747  | 12  | 42375-1865  | 30                          | 42375-1883  |                               |  |
| 13                                       | 42375-1730  | 31  | 42375-1748  | 13  | 42375-1866  | 31                          | 42375-1884  |                               |  |
| 14                                       | 42375-1731  | 32  | 42375-1749  | 14  | 42375-1867  | 32                          | 42375-1885  |                               |  |
| 15                                       | 42375-1732  | 33  | 42375-1750  | 15  | 42375-1868  | 33                          | 42375-1886  |                               |  |
| 16                                       | 42375-1733  | 34  | 42375-1751  | 16  | 42375-1869  | 34                          | 42375-1887  |                               |  |
| 17                                       | 42375-1734  | 35  | 42375-1752  | 17  | 42375-1870  | 35                          | 42375-1888  |                               |  |
| 18                                       | 42375-1735  | 36  | 42375-1753  | 18  | 42375-1871  | 36                          | 42375-1889  |                               |  |
| 19                                       | 42375-1736  |   |             | 19  | 42375-1872  |                             |             |                               |  |
| REV: <b>T15</b>                          |             | ECR/ECN INFORMATION:<br>EC No.: UCP2009-1249<br>DATE: 12/2/2008 |             | TITLE:<br><b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> |             |                             |             | SHEET No.<br><b>- 16 -</b>    |  |
| DOCUMENT NUMBER:<br><b>SD- 42375-001</b> |             |   |             | CREATED / REVISED BY:<br><b>MKIPPER</b>                             |             | CHECKED BY:<br><b>JBELL</b> |             | APPROVED BY:<br><b>FSMITH</b> |  |



| ENG. NO: 42375-1922/1956  |             |  |             | ENG. NO: 42375-2246/2275   |             |                                    |             |                                      |  |
|---|-------------|--|-------------|--|-------------|------------------------------------|-------------|--------------------------------------|--|
| HEADER NUMBER:  |             | 42312-0036   |             | HEADER NUMBER:   |             | 42312-0036                         |             |                                      |  |
| PIN NUMBER:   |             | 42663-AEA154   |             | PIN NUMBER:  |             | 42663-ABA154                       |             |                                      |  |
| PIN LENGTH: L   |             | .470 / 11.94   |             | PIN LENGTH: L  |             | .455 / 11.56                       |             |                                      |  |
| MATING LENGTH: M  |             | .190 / 4.83  |             | MATING LENGTH: M   |             | .240 / 6.09                        |             |                                      |  |
| GOLD POINT: G   |             | N/A  |             | GOLD POINT: G  |             | N/A                                |             |                                      |  |
| PC TAIL LENGTH: P   |             | .190 / 4.83  |             | PC TAIL LENGTH: P  |             | .125 / 3.18                        |             |                                      |  |
| TIN: T  |             | .200 / 5.08  |             | TIN: T   |             | OVERALL                            |             |                                      |  |
| CKTS:   |             | 2-36   |             | CKTS:  |             | 7-36                               |             |                                      |  |
| KINKS:  |             | NO   |             | KINKS:   |             | NO                                 |             |                                      |  |
| VOIDED CKTS:  |             | NONE   |             | VOIDED CKTS:   |             | 2,7                                |             |                                      |  |
| PACKAGING:  |             | BULK PK-40873-0041   |             | PACKAGING:   |             | BULK PK-40873-0041                 |             |                                      |  |
| CKTS  | ITEM NUMBER | CKTS   | ITEM NUMBER | CKTS   | ITEM NUMBER | CKTS                               | ITEM NUMBER |                                      |  |
| 02  | 42375-1922  | 20   | 42375-1940  | 02   |             | 20                                 | 42375-2259  |                                      |  |
| 03  | 42375-1923  | 21   | 42375-1941  | 03   |             | 21                                 | 42375-2260  |                                      |  |
| 04  | 42375-1924  | 22   | 42375-1942  | 04   |             | 22                                 | 42375-2261  |                                      |  |
| 05  | 42375-1925  | 23   | 42375-1943  | 05   |             | 23                                 | 42375-2262  |                                      |  |
| 06  | 42375-1926  | 24   | 42375-1944  | 06   |             | 24                                 | 42375-2263  |                                      |  |
| 07  | 42375-1927  | 25   | 42375-1945  | 07   | 42375-2246  | 25                                 | 42375-2264  |                                      |  |
| 08  | 42375-1928  | 26   | 42375-1946  | 08   | 42375-2247  | 26                                 | 42375-2265  |                                      |  |
| 09  | 42375-1929  | 27   | 42375-1947  | 09   | 42375-2248  | 27                                 | 42375-2266  |                                      |  |
| 10  | 42375-1930  | 28   | 42375-1948  | 10   | 42375-2249  | 28                                 | 42375-2267  |                                      |  |
| 11  | 42375-1931  | 29   | 42375-1949  | 11   | 42375-2250  | 29                                 | 42375-2268  |                                      |  |
| 12  | 42375-1932  | 30   | 42375-1950  | 12   | 42375-2251  | 30                                 | 42375-2269  |                                      |  |
| 13  | 42375-1933  | 31   | 42375-1951  | 13   | 42375-2252  | 31                                 | 42375-2270  |                                      |  |
| 14  | 42375-1934  | 32   | 42375-1952  | 14   | 42375-2253  | 32                                 | 42375-2271  |                                      |  |
| 15  | 42375-1935  | 33   | 42375-1953  | 15   | 42375-2254  | 33                                 | 42375-2272  |                                      |  |
| 16  | 42375-1936  | 34   | 42375-1954  | 16   | 42375-2255  | 34                                 | 42375-2273  |                                      |  |
| 17  | 42375-1937  | 35   | 42375-1955  | 17   | 42375-2256  | 35                                 | 42375-2274  |                                      |  |
| 18  | 42375-1938  | 36   | 42375-1956  | 18   | 42375-2257  | 36                                 | 42375-2275  |                                      |  |
| 19  | 42375-1939  |  |             | 19   | 42375-2258  |                                    |             |                                      |  |
| REV: <b>T15</b>   |             | <u>ECR/ECN INFORMATION:</u><br>EC No.: <b>UCP2009-1249</b><br>DATE: <b>12/2/2008</b> |             | <u>TITLE:</u><br><b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> |             |                                    |             | <u>SHEET No.</u><br><b>- 17 -</b>    |  |
| <u>DOCUMENT NUMBER:</u><br><b>SD- 42375-001</b>                 |             |  |             | <u>CREATED / REVISED BY:</u><br><b>MKIPPER</b>                             |             | <u>CHECKED BY:</u><br><b>JBELL</b> |             | <u>APPROVED BY:</u><br><b>FSMITH</b> |  |
| <small>TEMPLATE FILENAME: PRODUCT_SPEC(SIZE_A)(V.1).DOC</small> |             |  |             |  |             |                                    |             |                                      |  |

| ENG. NO: 42375-2486/2520  |             |  |             | ENG. NO: 42375-2521/2555   |             |                                    |             |                                      |  |
|---|-------------|--|-------------|--|-------------|------------------------------------|-------------|--------------------------------------|--|
| HEADER NUMBER:  |             | 42312-0036   |             | HEADER NUMBER:   |             | 42312-0036                         |             |                                      |  |
| PIN NUMBER:   |             | 42663-AFB208   |             | PIN NUMBER:  |             | 42663-AFB228                       |             |                                      |  |
| PIN LENGTH: L   |             | .475 / 12.07   |             | PIN LENGTH: L  |             | .475 / 12.07                       |             |                                      |  |
| MATING LENGTH: M  |             | .232 / 5.89  |             | MATING LENGTH: M   |             | .232 / 5.89                        |             |                                      |  |
| GOLD POINT: G   |             | .150 / 3.81  |             | GOLD POINT: G  |             | .150 / 3.81                        |             |                                      |  |
| PC TAIL LENGTH: P   |             | .153 / 3.89  |             | PC TAIL LENGTH: P  |             | .153 / 3.89                        |             |                                      |  |
| TIN: T  |             | .100 / 2.54  |             | TIN: T   |             | .100 / 2.54                        |             |                                      |  |
| CKTS:   |             | 2-36   |             | CKTS:  |             | 2-36                               |             |                                      |  |
| KINKS:  |             | NO   |             | KINKS:   |             | NO                                 |             |                                      |  |
| VOIDED CKTS:  |             | NONE   |             | VOIDED CKTS:   |             | NONE                               |             |                                      |  |
| PACKAGING:  |             | BULK PK-40873-0041   |             | PACKAGING:   |             | BULK PK-40873-0041                 |             |                                      |  |
| CKTS  | ITEM NUMBER | CKTS   | ITEM NUMBER | CKTS   | ITEM NUMBER | CKTS                               | ITEM NUMBER |                                      |  |
| 02  | 42375-2486  | 19   | 42375-2503  | 02   | 42375-2521  | 20                                 | 42375-2539  |                                      |  |
| 03  | 42375-2487  | 20   | 42375-2504  | 03   | 42375-2522  | 21                                 | 42375-2540  |                                      |  |
|   | 68300-2008  | 21   | 42375-2505  | 04   | 42375-2523  | 22                                 | 42375-2541  |                                      |  |
| 04  | 42375-2488  | 22   | 42375-2506  | 05   | 42375-2524  | 23                                 | 42375-2542  |                                      |  |
| 05  | 42375-2489  | 23   | 42375-2507  | 06   | 42375-2525  | 24                                 | 42375-2543  |                                      |  |
| 06  | 42375-2490  | 24   | 42375-2508  | 07   | 42375-2526  | 25                                 | 42375-2544  |                                      |  |
| 07  | 42375-2491  | 25   | 42375-2509  | 08   | 42375-2527  | 26                                 | 42375-2545  |                                      |  |
| 08  | 42375-2492  | 26   | 42375-2510  | 09   | 42375-2528  | 27                                 | 42375-2546  |                                      |  |
| 09  | 42375-2493  | 27   | 42375-2511  | 10   | 42375-2529  | 28                                 | 42375-2547  |                                      |  |
| 10  | 42375-2494  | 28   | 42375-2512  | 11   | 42375-2530  | 29                                 | 42375-2548  |                                      |  |
| 11  | 42375-2495  | 29   | 42375-2513  | 12   | 42375-2531  | 30                                 | 42375-2549  |                                      |  |
| 12  | 42375-2496  | 30   | 42375-2514  | 13   | 42375-2532  | 31                                 | 42375-2550  |                                      |  |
| 13  | 42375-2497  | 31   | 42375-2515  | 14   | 42375-2533  | 32                                 | 42375-2551  |                                      |  |
| 14  | 42375-2498  | 32   | 42375-2516  | 15   | 42375-2534  | 33                                 | 42375-2552  |                                      |  |
| 15  | 42375-2499  | 33   | 42375-2517  | 16   | 42375-2535  | 34                                 | 42375-2553  |                                      |  |
| 16  | 42375-2500  | 34   | 42375-2518  | 17   | 42375-2536  | 35                                 | 42375-2554  |                                      |  |
| 17  | 42375-2501  | 35   | 42375-2519  | 18   | 42375-2537  | 36                                 | 42375-2555  |                                      |  |
| 18  | 42375-2502  | 36   | 42375-2520  | 19   | 42375-2538  |                                    |             |                                      |  |
| REV: <b>T15</b>   |             | <u>ECR/ECN INFORMATION:</u><br>EC No.: <b>UCP2009-1249</b><br>DATE: <b>12/2/2008</b> |             | <u>TITLE:</u><br><b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> |             |                                    |             | <u>SHEET No.</u><br><b>- 18 -</b>    |  |
| <u>DOCUMENT NUMBER:</u><br><b>SD- 42375-001</b>                 |             |  |             | <u>CREATED / REVISED BY:</u><br><b>MKIPPER</b>                             |             | <u>CHECKED BY:</u><br><b>JBELL</b> |             | <u>APPROVED BY:</u><br><b>FSMITH</b> |  |
| <small>TEMPLATE FILENAME: PRODUCT_SPEC(SIZE_A)(V.1).DOC</small> |             |  |             |  |             |                                    |             |                                      |  |

| ENG. NO: 42375-2801/2835 |             |                    |             | ENG. NO: 42375-2836/2870 |             |                    |             |
|--------------------------|-------------|--------------------|-------------|--------------------------|-------------|--------------------|-------------|
| HEADER NUMBER:           |             | 42312-0036         |             | HEADER NUMBER:           |             | 42312-0036         |             |
| PIN NUMBER:              |             | 42663-HDB228       |             | PIN NUMBER:              |             | 42663-EMA154       |             |
| PIN LENGTH: L            |             | 1.200 / 30.48      |             | PIN LENGTH: L            |             | .925 / 23.50       |             |
| MATING LENGTH: M         |             | 1.000 / 25.40      |             | MATING LENGTH: M         |             | .625 / 15.88       |             |
| GOLD POINT: G            |             | .200 / 5.08        |             | GOLD POINT: G            |             | N/A                |             |
| PC TAIL LENGTH: P        |             | .110 / 2.79        |             | PC TAIL LENGTH: P        |             | .210 / 5.33        |             |
| TIN: T                   |             | .200 / 5.08        |             | TIN: T                   |             | OVERALL            |             |
| CKTS:                    |             | 2-36               |             | CKTS:                    |             | 2-36               |             |
| KINKS:                   |             | NO                 |             | KINKS:                   |             | NO                 |             |
| VOIDED CKTS:             |             | NONE               |             | VOIDED CKTS:             |             | NONE               |             |
| PACKAGING:               |             | BULK PK-40873-0043 |             | PACKAGING:               |             | BULK PK-40873-0041 |             |
| CKTS                     | ITEM NUMBER | CKTS               | ITEM NUMBER | CKTS                     | ITEM NUMBER | CKTS               | ITEM NUMBER |
| 02                       | 42375-2801  | 20                 | 42375-2819  | 02                       | 42375-2836  | 20                 | 42375-2854  |
| 03                       | 42375-2802  | 21                 | 42375-2820  | 03                       | 42375-2837  | 21                 | 42375-2855  |
| 04                       | 42375-2803  | 22                 | 42375-2821  | 04                       | 42375-2838  | 22                 | 42375-2856  |
| 05                       | 42375-2804  | 23                 | 42375-2822  | 05                       | 42375-2839  | 23                 | 42375-2857  |
| 06                       | 42375-2805  | 24                 | 42375-2823  | 06                       | 42375-2840  | 24                 | 42375-2858  |
| 07                       | 42375-2806  | 25                 | 42375-2824  | 07                       | 42375-2841  | 25                 | 42375-2859  |
| 08                       | 42375-2807  | 26                 | 42375-2825  | 08                       | 42375-2842  | 26                 | 42375-2860  |
| 09                       | 42375-2808  | 27                 | 42375-2826  | 09                       | 42375-2843  | 27                 | 42375-2861  |
| 10                       | 42375-2809  | 28                 | 42375-2827  | 10                       | 42375-2844  | 28                 | 42375-2862  |
| 11                       | 42375-2810  | 29                 | 42375-2828  | 11                       | 42375-2845  | 29                 | 42375-2863  |
| 12                       | 42375-2811  | 30                 | 42375-2829  | 12                       | 42375-2846  | 30                 | 42375-2864  |
| 13                       | 42375-2812  | 31                 | 42375-2830  | 13                       | 42375-2847  | 31                 | 42375-2865  |
| 14                       | 42375-2813  | 32                 | 42375-2831  | 14                       | 42375-2848  | 32                 | 42375-2866  |
| 15                       | 42375-2814  | 33                 | 42375-2832  | 15                       | 42375-2849  | 33                 | 42375-2867  |
| 16                       | 42375-2815  | 34                 | 42375-2833  | 16                       | 42375-2850  | 34                 | 42375-2868  |
| 17                       | 42375-2816  | 35                 | 42375-2834  | 17                       | 42375-2851  | 35                 | 42375-2869  |
| 18                       | 42375-2817  | 36                 | 42375-2835  | 18                       | 42375-2852  | 36                 | 42375-2870  |
| 19                       | 42375-2818  |                    |             | 19                       | 42375-2853  |                    |             |

|                         |                              |   |                     |
|-------------------------|------------------------------|---|---------------------|
| REV:                    | <u>ECR/ECN INFORMATION:</u>  | <u>TITLE:</u>   | <u>SHEET No.</u>    |
| <b>T15</b>              | EC No.: UCP2009-1249         | <b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> | <b>- 19 -</b>       |
|                         | DATE: 12/2/2008              |   |                     |
| <u>DOCUMENT NUMBER:</u> | <u>CREATED / REVISED BY:</u> | <u>CHECKED BY:</u>  | <u>APPROVED BY:</u> |
| <b>SD- 42375-001</b>    | <b>MKIPPER</b>               | <b>JBELL</b>  | <b>FSMITH</b>       |

TEMPLATE FILENAME: PRODUCT\_SPEC(SIZE\_A)(V.1).DOC

| ENG. NO: 42375-3044/3078  |                             |                              |   | ENG. NO: 42375-3114/3148 |             |                    |                  |
|---|-----------------------------|------------------------------|---|--------------------------|-------------|--------------------|------------------|
| HEADER NUMBER:  |                             | 42312-0036                   |   | HEADER NUMBER:           |             | 42312-0036         |                  |
| PIN NUMBER:   |                             | 42663-KHB208                 |   | PIN NUMBER:              |             | 42663-BXA154       |                  |
| PIN LENGTH: L   |                             | 1.430 / 36.32                |   | PIN LENGTH: L            |             | .645 / 16.38       |                  |
| MATING LENGTH: M  |                             | .867 / 22.02                 |   | MATING LENGTH: M         |             | .426 / 10.82       |                  |
| GOLD POINT: G   |                             | .200 / 5.08                  |   | GOLD POINT: G            |             | N/A                |                  |
| PC TAIL LENGTH: P   |                             | .473 / 12.01                 |   | PC TAIL LENGTH: P        |             | .124 / 3.15        |                  |
| TIN: T  |                             | .200 / 5.08                  |   | TIN: T                   |             | OVERALL            |                  |
| CKTS:   |                             | 2-36                         |   | CKTS:                    |             | 2-36               |                  |
| KINKS:  |                             | NO                           |   | KINKS:                   |             | NO                 |                  |
| VOIDED CKTS:  |                             | NONE                         |   | VOIDED CKTS:             |             | NONE               |                  |
| PACKAGING:  |                             | BULK PK-40873-0043           |   | PACKAGING:               |             | BULK PK-40873-0041 |                  |
| CKTS  | ITEM NUMBER                 | CKTS                         | ITEM NUMBER   | CKTS                     | ITEM NUMBER | CKTS               | ITEM NUMBER      |
| 02  | 42375-3044                  | 20                           | 42375-3062  | 02                       | 42375-3114  | 20                 | 42375-3132       |
| 03  | 42375-3045                  | 21                           | 42375-3063  | 03                       | 42375-3115  | 21                 | 42375-3133       |
| 04  | 42375-3046                  | 22                           | 42375-3064  | 04                       | 42375-3116  | 22                 | 42375-3134       |
| 05  | 42375-3047                  | 23                           | 42375-3065  | 05                       | 42375-3117  | 23                 | 42375-3135       |
| 06  | 42375-3048                  | 24                           | 42375-3066  | 06                       | 42375-3118  | 24                 | 42375-3136       |
| 07  | 42375-3049                  | 25                           | 42375-3067  | 07                       | 42375-3119  | 25                 | 42375-3137       |
| 08  | 42375-3050                  | 26                           | 42375-3068  | 08                       | 42375-3120  | 26                 | 42375-3138       |
| 09  | 42375-3051                  | 27                           | 42375-3069  | 09                       | 42375-3121  | 27                 | 42375-3139       |
| 10  | 42375-3052                  | 28                           | 42375-3070  | 10                       | 42375-3122  | 28                 | 42375-3140       |
| 11  | 42375-3053                  | 29                           | 42375-3071  | 11                       | 42375-3123  | 29                 | 42375-3141       |
| 12  | 42375-3054                  | 30                           | 42375-3072  | 12                       | 42375-3124  | 30                 | 42375-3142       |
| 13  | 42375-3055                  | 31                           | 42375-3073  | 13                       | 42375-3125  | 31                 | 42375-3143       |
| 14  | 42375-3056                  | 32                           | 42375-3074  | 14                       | 42375-3126  | 32                 | 42375-3144       |
| 15  | 42375-3057                  | 33                           | 42375-3075  | 15                       | 42375-3127  | 33                 | 42375-3145       |
| 16  | 42375-3058                  | 34                           | 42375-3076  | 16                       | 42375-3128  | 34                 | 42375-3146       |
| 17  | 42375-3059                  | 35                           | 42375-3077  | 17                       | 42375-3129  | 35                 | 42375-3147       |
| 18  | 42375-3060                  | 36                           | 42375-3078  | 18                       | 42375-3130  | 36                 | 42375-3148       |
| 19  | 42375-3061                  |                              |   | 19                       | 42375-3131  |                    |                  |
| REV:  | <u>ECR/ECN INFORMATION:</u> | <u>TITLE:</u>                | <b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> |                          |             |                    | <u>SHEET No.</u> |
| <b>T15</b>  | EC No.: UCP2009-1249        |                              |   |                          |             |                    | <b>- 20 -</b>    |
|   | DATE: 12/2/2008             |                              |   |                          |             |                    |                  |
| <u>DOCUMENT NUMBER:</u>   |                             | <u>CREATED / REVISED BY:</u> | <u>CHECKED BY:</u>  | <u>APPROVED BY:</u>      |             |                    |                  |
| <b>SD- 42375-001</b>  |                             | <b>MKIPPER</b>               | <b>JBELL</b>  | <b>FSMITH</b>            |             |                    |                  |
| <small>TEMPLATE FILENAME: PRODUCT_SPEC(SIZE_A)(V.1).DOC</small> |                             |                              |   |                          |             |                    |                  |

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| ENG. NO: 42375-3149 / 3183 |             |                    |             | ENG. NO: 42375-3184 / 3218 |             |                    |             | ENG. NO: 42375-3219 / 3253 |             |                    |             |
|----------------------------|-------------|--------------------|-------------|----------------------------|-------------|--------------------|-------------|----------------------------|-------------|--------------------|-------------|
| HEADER NUMBER:             |             | 42312-0036         |             | HEADER NUMBER:             |             | 42312-0036         |             | HEADER NUMBER:             |             | 42312-0036         |             |
| PIN NUMBER:                |             | 42663-BEB208       |             | PIN NUMBER:                |             | 42663-GNB208       |             | PIN NUMBER:                |             | 42663-BPA154       |             |
| PIN LENGTH: L              |             | .575 / 14.61       |             | PIN LENGTH: L              |             | 1.140 / 28.96      |             | PIN LENGTH: L              |             | .620 / 15.75       |             |
| MATING LENGTH: M           |             | .350 / 8.89        |             | MATING LENGTH: M           |             | .913 / 23.20       |             | MATING LENGTH: M           |             | .280 / 7.11        |             |
| GOLD POINT: G              |             | .200 / 5.08        |             | GOLD POINT: G              |             | .200 / 5.08        |             | GOLD POINT: G              |             | NA                 |             |
| PC TAIL LENGTH: P          |             | .135 / 3.43        |             | PC TAIL LENGTH: P          |             | .137 / 3.48        |             | PC TAIL LENGTH: P          |             | .250 / 6.35        |             |
| TIN: T                     |             | .200 / 5.08        |             | TIN: T                     |             | .200 / 5.08        |             | TIN: T                     |             | OVERALL            |             |
| CKTS:                      |             | 2-36               |             | CKTS:                      |             | 2-36               |             | CKTS:                      |             | 2-36               |             |
| KINKS:                     |             | NO                 |             | KINKS:                     |             | NO                 |             | KINKS:                     |             | NO                 |             |
| VOIDED CKTS:               |             | NONE               |             | VOIDED CKTS:               |             | NONE               |             | VOIDED CKTS:               |             | NONE               |             |
| PACKAGING:                 |             | BULK PK-40873-0041 |             | PACKAGING:                 |             | BULK PK-40873-0043 |             | PACKAGING:                 |             | BULK PK-40873-0041 |             |
| CKTS                       | ITEM NUMBER | CKTS               | ITEM NUMBER | CKTS                       | ITEM NUMBER | CKTS               | ITEM NUMBER | CKTS                       | ITEM NUMBER | CKTS               | ITEM NUMBER |
| 02                         | 42375-3149  | 20                 | 42375-3167  | 02                         | 42375-3184  | 20                 | 42375-3202  | 02                         | 42375-3219  | 20                 | 42375-3237  |
| 03                         | 42375-3150  | 21                 | 42375-3168  | 03                         | 42375-3185  | 21                 | 42375-3203  | 03                         | 42375-3220  | 21                 | 42375-3238  |
| 04                         | 42375-3151  | 22                 | 42375-3169  | 04                         | 42375-3186  | 22                 | 42375-3204  | 04                         | 42375-3221  | 22                 | 42375-3239  |
| 05                         | 42375-3152  | 23                 | 42375-3170  | 05                         | 42375-3187  | 23                 | 42375-3205  | 05                         | 42375-3222  | 23                 | 42375-3240  |
| 06                         | 42375-3153  | 24                 | 42375-3171  | 06                         | 42375-3188  | 24                 | 42375-3206  | 06                         | 42375-3223  | 24                 | 42375-3241  |
| 07                         | 42375-3154  | 25                 | 42375-3172  | 07                         | 42375-3189  | 25                 | 42375-3207  | 07                         | 42375-3224  | 25                 | 42375-3242  |
| 08                         | 42375-3155  | 26                 | 42375-3173  | 08                         | 42375-3190  | 26                 | 42375-3208  | 08                         | 42375-3225  | 26                 | 42375-3243  |
| 09                         | 42375-3156  | 27                 | 42375-3174  | 09                         | 42375-3191  | 27                 | 42375-3209  | 09                         | 42375-3226  | 27                 | 42375-3244  |
| 10                         | 42375-3157  | 28                 | 42375-3175  | 10                         | 42375-3192  | 28                 | 42375-3210  | 10                         | 42375-3227  | 28                 | 42375-3245  |
| 11                         | 42375-3158  | 29                 | 42375-3176  | 11                         | 42375-3193  | 29                 | 42375-3211  | 11                         | 42375-3228  | 29                 | 42375-3246  |
| 12                         | 42375-3159  | 30                 | 42375-3177  | 12                         | 42375-3194  | 30                 | 42375-3212  | 12                         | 42375-3229  | 30                 | 42375-3247  |
| 13                         | 42375-3160  | 31                 | 42375-3178  | 13                         | 42375-3195  | 31                 | 42375-3213  | 13                         | 42375-3230  | 31                 | 42375-3248  |
| 14                         | 42375-3161  | 32                 | 42375-3179  | 14                         | 42375-3196  | 32                 | 42375-3214  | 14                         | 42375-3231  | 32                 | 42375-3249  |
| 15                         | 42375-3162  | 33                 | 42375-3180  | 15                         | 42375-3197  | 33                 | 42375-3215  | 15                         | 42375-3232  | 33                 | 42375-3250  |
| 16                         | 42375-3163  | 34                 | 42375-3181  | 16                         | 42375-3198  | 34                 | 42375-3216  | 16                         | 42375-3233  | 34                 | 42375-3251  |
| 17                         | 42375-3164  | 35                 | 42375-3182  | 17                         | 42375-3199  | 35                 | 42375-3217  | 17                         | 42375-3234  | 35                 | 42375-3252  |
| 18                         | 42375-3165  | 36                 | 42375-3183  | 18                         | 42375-3200  | 36                 | 42375-3218  | 18                         | 42375-3235  | 36                 | 42375-3253  |
| 19                         | 42375-3166  |                    |             | 19                         | 42375-3201  |                    |             | 19                         | 42375-3236  |                    |             |

|  |   |   |                               |
|--|---|---|-------------------------------|
| REV:<br><b>T15</b>                       | ECR/ECN INFORMATION:<br>EC No.: UCP2009-1249<br>DATE: 12/2/2008 | TITLE:<br><b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> | SHEET No.<br><b>- 21 -</b>    |
| DOCUMENT NUMBER:<br><b>SD- 42375-001</b> | CREATED / REVISED BY:<br><b>MKIPPER</b>                         | CHECKED BY:<br><b>JBELL</b>   | APPROVED BY:<br><b>FSMITH</b> |

TEMPLATE FILENAME: PRODUCT\_SPEC(SIZE\_A)(V.1).DOC

| ENG. NO: 42375-3254 / 3288 |                             |                    |             | ENG. NO: 42375-3289 / 3323                                |             |                    |             | ENG. NO: 42375-3324 / 3358 |             |                    |             |
|----------------------------|-----------------------------|--------------------|-------------|---|-------------|--------------------|-------------|----------------------------|-------------|--------------------|-------------|
| HEADER NUMBER:             |                             | 42312-0036         |             | HEADER NUMBER:  |             | 42312-0036         |             | HEADER NUMBER:             |             | 42312-0036         |             |
| PIN NUMBER:                |                             | 42663-DMA154       |             | PIN NUMBER:   |             | 42663-FNA154       |             | PIN NUMBER:                |             | 42663-CCA154       |             |
| PIN LENGTH: L              |                             | .820 / 20.83       |             | PIN LENGTH: L   |             | 1.035 / 26.29      |             | PIN LENGTH: L              |             | .670 / 17.02       |             |
| MATING LENGTH: M           |                             | .590 / 14.99       |             | MATING LENGTH: M  |             | .358 / 9.09        |             | MATING LENGTH: M           |             | .440 / 11.18       |             |
| GOLD POINT: G              |                             | NA                 |             | GOLD POINT: G   |             | NA                 |             | GOLD POINT: G              |             | NA                 |             |
| PC TAIL LENGTH: P          |                             | .140 / 3.56        |             | PC TAIL LENGTH: P   |             | .587 / 14.91       |             | PC TAIL LENGTH: P          |             | .140 / 3.56        |             |
| TIN: T                     |                             | OVERALL            |             | TIN: T  |             | OVERALL            |             | TIN: T                     |             | OVERALL            |             |
| CKTS:                      |                             | 2-36               |             | CKTS:   |             | 2-36               |             | CKTS:                      |             | 2-36               |             |
| KINKS:                     |                             | NO                 |             | KINKS:  |             | NO                 |             | KINKS:                     |             | SMES-42003         |             |
| VOIDED CKTS:               |                             | NONE               |             | VOIDED CKTS:  |             | NONE               |             | VOIDED CKTS:               |             | NONE               |             |
| PACKAGING:                 |                             | BULK PK-40873-0041 |             | PACKAGING:  |             | BULK PK-40873-0043 |             | PACKAGING:                 |             | BULK PK-40873-0041 |             |
| CKTS                       | ITEM NUMBER                 | CKTS               | ITEM NUMBER | CKTS  | ITEM NUMBER | CKTS               | ITEM NUMBER | CKTS                       | ITEM NUMBER | CKTS               | ITEM NUMBER |
| 02                         | 42375-3254                  | 20                 | 42375-3272  | 02  | 42375-3289  | 20                 | 42375-3307  | 02                         | 42375-3324  | 20                 | 42375-3342  |
| 03                         | 42375-3255                  | 21                 | 42375-3273  | 03  | 42375-3290  | 21                 | 42375-3308  | 03                         | 42375-3325  | 21                 | 42375-3343  |
| 04                         | 42375-3256                  | 22                 | 42375-3274  | 04  | 42375-3291  | 22                 | 42375-3309  | 04                         | 42375-3326  | 22                 | 42375-3344  |
| 05                         | 42375-3257                  | 23                 | 42375-3275  | 05  | 42375-3292  | 23                 | 42375-3310  | 05                         | 42375-3327  | 23                 | 42375-3345  |
| 06                         | 42375-3258                  | 24                 | 42375-3276  | 06  | 42375-3293  | 24                 | 42375-3311  | 06                         | 42375-3328  | 24                 | 42375-3346  |
| 07                         | 42375-3259                  | 25                 | 42375-3277  | 07  | 42375-3294  | 25                 | 42375-3312  | 07                         | 42375-3329  | 25                 | 42375-3347  |
| 08                         | 42375-3260                  | 26                 | 42375-3278  | 08  | 42375-3295  | 26                 | 42375-3313  | 08                         | 42375-3330  | 26                 | 42375-3348  |
| 09                         | 42375-3261                  | 27                 | 42375-3279  | 09  | 42375-3296  | 27                 | 42375-3314  | 09                         | 42375-3331  | 27                 | 42375-3349  |
| 10                         | 42375-3262                  | 28                 | 42375-3280  | 10  | 42375-3297  | 28                 | 42375-3315  | 10                         | 42375-3332  | 28                 | 42375-3350  |
| 11                         | 42375-3263                  | 29                 | 42375-3281  | 11  | 42375-3298  | 29                 | 42375-3316  | 11                         | 42375-3333  | 29                 | 42375-3351  |
| 12                         | 42375-3264                  | 30                 | 42375-3282  | 12  | 42375-3299  | 30                 | 42375-3317  | 12                         | 42375-3334  | 30                 | 42375-3352  |
| 13                         | 42375-3265                  | 31                 | 42375-3283  | 13  | 42375-3300  | 31                 | 42375-3318  | 13                         | 42375-3335  | 31                 | 42375-3353  |
| 14                         | 42375-3266                  | 32                 | 42375-3284  | 14  | 42375-3301  | 32                 | 42375-3319  | 14                         | 42375-3336  | 32                 | 42375-3354  |
| 15                         | 42375-3267                  | 33                 | 42375-3285  | 15  | 42375-3302  | 33                 | 42375-3320  | 15                         | 42375-3337  | 33                 | 42375-3355  |
| 16                         | 42375-3268                  | 34                 | 42375-3286  | 16  | 42375-3303  | 34                 | 42375-3321  | 16                         | 42375-3338  | 34                 | 42375-3356  |
| 17                         | 42375-3269                  | 35                 | 42375-3287  | 17  | 42375-3304  | 35                 | 42375-3322  | 17                         | 42375-3339  | 35                 | 42375-3357  |
| 18                         | 42375-3270                  | 36                 | 42375-3288  | 18  | 42375-3305  | 36                 | 42375-3323  | 18                         | 42375-3340  | 36                 | 42375-3358  |
| 19                         | 42375-3271                  |                    |             | 19  | 42375-3306  |                    |             | 19                         | 42375-3341  |                    |             |
| REV:                       | <u>ECR/ECN INFORMATION:</u> |                    |             | <u>TITLE:</u>   |             |                    |             | <u>SHEET No.</u>           |             |                    |             |
| <b>T15</b>                 | EC No.: <b>UCP2009-1249</b> |                    |             | <b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> |             |                    |             | <b>- 22 -</b>              |             |                    |             |
|                            | DATE: <b>12/2/2008</b>      |                    |             |   |             |                    |             |                            |             |                    |             |
| <u>DOCUMENT NUMBER:</u>    |                             |                    |             | <u>CREATED / REVISED BY:</u>                              |             |                    |             | <u>CHECKED BY:</u>         |             |                    |             |
| <b>SD- 42375-001</b>       |                             |                    |             | <b>MKIPPER</b>  |             |                    |             | <b>JBELL</b>               |             |                    |             |
|                            |                             |                    |             |   |             |                    |             | <u>APPROVED BY:</u>        |             |                    |             |
|                            |                             |                    |             |   |             |                    |             | <b>FSMITH</b>              |             |                    |             |

| ENG. NO: 42375-3359 / 3393                       |             |   |             | ENG. NO: 42375-3394 / 3428                                       |             |                             |             | ENG. NO: 42375-3429 / 3463    |             |                    |             |
|--|-------------|---|-------------|--|-------------|-----------------------------|-------------|-------------------------------|-------------|--------------------|-------------|
| HEADER NUMBER:                                   |             | 42312-0036  |             | HEADER NUMBER:   |             | 42312-0036                  |             | HEADER NUMBER:                |             | 42312-0036         |             |
| PIN NUMBER:                                      |             | 42663-ABB228  |             | PIN NUMBER:  |             | 42663-EZB208                |             | PIN NUMBER:                   |             | 42663-ARA154       |             |
| PIN LENGTH: L                                    |             | .455 / 11.56  |             | PIN LENGTH: L  |             | .970/24.64                  |             | PIN LENGTH: L                 |             | .520/13.21         |             |
| MATING LENGTH: M                                 |             | .170 / 4.32   |             | MATING LENGTH: M   |             | .780/19.81                  |             | MATING LENGTH: M              |             | .386/9.80          |             |
| GOLD POINT: G                                    |             | .100 / 2.54   |             | GOLD POINT: G  |             | .200/5.08                   |             | GOLD POINT: G                 |             | N/A                |             |
| PC TAIL LENGTH: P                                |             | .195 / 4.95   |             | PC TAIL LENGTH: P  |             | .100/ 2.54                  |             | PC TAIL LENGTH: P             |             | .044/1.12          |             |
| TIN: T   |             | .100 / 2.54   |             | TIN: T   |             | .200/5.08                   |             | TIN: T                        |             | OVERALL            |             |
| CKTS:  |             | 2-36  |             | CKTS:  |             | 2-36                        |             | CKTS:                         |             | 2-36               |             |
| KINKS:   |             | NO  |             | KINKS:   |             | NO                          |             | KINKS:                        |             | NO                 |             |
| VOIDED CKTS:                                     |             | NONE  |             | VOIDED CKTS:   |             | NONE                        |             | VOIDED CKTS:                  |             | NONE               |             |
| PACKAGING:                                       |             | BULK PK-40873-0041  |             | PACKAGING:   |             | BULK PK-40873-0043          |             | PACKAGING:                    |             | BULK PK-40873-0041 |             |
| CKTS   | ITEM NUMBER | CKTS  | ITEM NUMBER | CKTS   | ITEM NUMBER | CKTS                        | ITEM NUMBER | CKTS                          | ITEM NUMBER | CKTS               | ITEM NUMBER |
| 02   | 42375-3359  | 20  | 42375-3377  | 02   | 42375-3394  | 20                          | 42375-3412  | 02                            | 42375-3429  | 20                 | 42375-3447  |
| 03   | 42375-3360  | 21  | 42375-3378  | 03   | 42375-3395  | 21                          | 42375-3413  | 03                            | 42375-3430  | 21                 | 42375-3448  |
| 04   | 42375-3361  | 22  | 42375-3379  | 04   | 42375-3396  | 22                          | 42375-3414  | 04                            | 42375-3431  | 22                 | 42375-3449  |
| 05   | 42375-3362  | 23  | 42375-3380  | 05   | 42375-3397  | 23                          | 42375-3415  | 05                            | 42375-3432  | 23                 | 42375-3450  |
| 06   | 42375-3363  | 24  | 42375-3381  | 06   | 42375-3398  | 24                          | 42375-3416  | 06                            | 42375-3433  | 24                 | 42375-3451  |
| 07   | 42375-3364  | 25  | 42375-3382  | 07   | 42375-3399  | 25                          | 42375-3417  | 07                            | 42375-3434  | 25                 | 42375-3452  |
| 08   | 42375-3365  | 26  | 42375-3383  | 08   | 42375-3400  | 26                          | 42375-3418  | 08                            | 42375-3435  | 26                 | 42375-3453  |
| 09   | 42375-3366  | 27  | 42375-3384  | 09   | 42375-3401  | 27                          | 42375-3419  | 09                            | 42375-3436  | 27                 | 42375-3454  |
| 10   | 42375-3367  | 28  | 42375-3385  | 10   | 42375-3402  | 28                          | 42375-3420  | 10                            | 42375-3437  | 28                 | 42375-3455  |
| 11   | 42375-3368  | 29  | 42375-3386  | 11   | 42375-3403  | 29                          | 42375-3421  | 11                            | 42375-3438  | 29                 | 42375-3456  |
| 12   | 42375-3369  | 30  | 42375-3387  | 12   | 42375-3404  | 30                          | 42375-3422  | 12                            | 42375-3439  | 30                 | 42375-3457  |
| 13   | 42375-3370  | 31  | 42375-3388  | 13   | 42375-3405  | 31                          | 42375-3423  | 13                            | 42375-3440  | 31                 | 42375-3458  |
| 14   | 42375-3371  | 32  | 42375-3389  | 14   | 42375-3406  | 32                          | 42375-3424  | 14                            | 42375-3441  | 32                 | 42375-3459  |
| 15   | 42375-3372  | 33  | 42375-3390  | 15   | 42375-3407  | 33                          | 42375-3425  | 15                            | 42375-3442  | 33                 | 42375-3460  |
| 16   | 42375-3373  | 34  | 42375-3391  | 16   | 42375-3408  | 34                          | 42374-3426  | 16                            | 42375-3443  | 34                 | 42374-3461  |
| 17   | 42375-3374  | 35  | 42375-3392  | 17   | 42375-3409  | 35                          | 42375-3427  | 17                            | 42375-3444  | 35                 | 42375-3462  |
| 18   | 42375-3375  | 36  | 42375-3393  | 18   | 42375-3410  | 36                          | 42375-3428  | 18                            | 42375-3445  | 36                 | 42375-3463  |
| 19   | 42375-3376  |   |             | 19   | 42375-3411  |                             |             | 19                            | 42375-3446  |                    |             |
| REV: <b>T15</b>                                  |             | ECR/ECN INFORMATION:<br>EC No.: <b>UCP2009-1249</b><br>DATE: <b>12/2/2008</b> |             | TITLE: <b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> |             |                             |             | SHEET No.<br><b>- 23 -</b>    |             |                    |             |
| DOCUMENT NUMBER:<br><b>SD- 42375-001</b>         |             |   |             | CREATED / REVISED BY:<br><b>MKIPPER</b>                          |             | CHECKED BY:<br><b>JBELL</b> |             | APPROVED BY:<br><b>FSMITH</b> |             |                    |             |
| TEMPLATE FILENAME: PRODUCT_SPEC(SIZE_A)(V.1).DOC |             |   |             |  |             |                             |             |                               |             |                    |             |

| ENG. NO: 42375-3464 / 3498                       |             |   |             | ENG. NO: 42375-3499/3533   |             |                             |             | ENG. NO: 42375-3534/3568      |             |                    |             |
|--|-------------|---|-------------|--|-------------|-----------------------------|-------------|-------------------------------|-------------|--------------------|-------------|
| HEADER NUMBER:                                   |             | 42312-0036  |             | HEADER NUMBER:   |             | 42312-0036                  |             | HEADER NUMBER:                |             | 42312-0036         |             |
| PIN NUMBER:                                      |             | 42663-CJA154  |             | PIN NUMBER:  |             | 42663-ETA154                |             | PIN NUMBER:                   |             | 42663-AWB208       |             |
| PIN LENGTH: L                                    |             | .700/17.78  |             | PIN LENGTH: L  |             | .950/24.13                  |             | PIN LENGTH: L                 |             | .535/13.59         |             |
| MATING LENGTH: M                                 |             | .500/12.70  |             | MATING LENGTH: M   |             | .750/19.05                  |             | MATING LENGTH: M              |             | .235/5.97          |             |
| GOLD POINT: G                                    |             | N/A   |             | GOLD POINT: G  |             | N/A                         |             | GOLD POINT: G                 |             | .200/5.08          |             |
| PC TAIL LENGTH: P                                |             | .110/2.79   |             | PC TAIL LENGTH: P  |             | .110/2.79                   |             | PC TAIL LENGTH: P             |             | .210/5.33          |             |
| TIN: T   |             | OVERALL   |             | TIN: T   |             | OVERALL                     |             | TIN: T                        |             | .100/2.54          |             |
| CKTS:  |             | 2-36  |             | CKTS:  |             | 2-36                        |             | CKTS:                         |             | 2-36               |             |
| KINKS:   |             | NO  |             | KINKS:   |             | NO                          |             | KINKS:                        |             | NO                 |             |
| VOIDED CKTS:                                     |             | # 2   |             | VOIDED CKTS:   |             | NONE                        |             | VOIDED CKTS:                  |             | NONE               |             |
| PACKAGING:                                       |             | BULK PK-40873-0041  |             | PACKAGING:   |             | BULK PK-40873-0043          |             | PACKAGING:                    |             | BULK PK-40873-0041 |             |
| CKTS   | ITEM NUMBER | CKTS  | ITEM NUMBER | CKTS   | ITEM NUMBER | CKTS                        | ITEM NUMBER | CKTS                          | ITEM NUMBER | CKTS               | ITEM NUMBER |
| 02   | 42375-3464  | 20  | 42375-3482  | 02   | 42375-3499  | 20                          | 42375-3517  | 02                            | 42375-3534  | 20                 | 42375-3552  |
| 03   | 42375-3465  | 21  | 42375-3483  | 03   | 42375-3500  | 21                          | 42375-3518  | 03                            | 42375-3535  | 21                 | 42375-3553  |
| 04   | 42375-3466  | 22  | 42375-3484  | 04   | 42375-3501  | 22                          | 42375-3519  | 04                            | 42375-3536  | 22                 | 42375-3554  |
| 05   | 42375-3467  | 23  | 42375-3485  | 05   | 42375-3502  | 23                          | 42375-3520  | 05                            | 42375-3537  | 23                 | 42375-3555  |
| 06   | 42375-3468  | 24  | 42375-3486  | 06   | 42375-3503  | 24                          | 42375-3521  | 06                            | 42375-3538  | 24                 | 42375-3556  |
| 07   | 42375-3469  | 25  | 42375-3487  | 07   | 42375-3504  | 25                          | 42375-3522  | 07                            | 42375-3539  | 25                 | 42375-3557  |
| 08   | 42375-3470  | 26  | 42375-3488  | 08   | 42375-3505  | 26                          | 42375-3523  | 08                            | 42375-3540  | 26                 | 42375-3558  |
| 09   | 42375-3471  | 27  | 42375-3489  | 09   | 42375-3506  | 27                          | 42375-3524  | 09                            | 42375-3541  | 27                 | 42375-3559  |
| 10   | 42375-3472  | 28  | 42375-3490  | 10   | 42375-3507  | 28                          | 42375-3525  | 10                            | 42375-3542  | 28                 | 42375-3560  |
| 11   | 42375-3473  | 29  | 42375-3491  | 11   | 42375-3508  | 29                          | 42375-3526  | 11                            | 42375-3543  | 29                 | 42375-3561  |
| 12   | 42375-3474  | 30  | 42375-3492  | 12   | 42375-3509  | 30                          | 42375-3527  | 12                            | 42375-3544  | 30                 | 42375-3562  |
| 13   | 42375-3475  | 31  | 42375-3493  | 13   | 42375-3510  | 31                          | 42375-3528  | 13                            | 42375-3545  | 31                 | 42375-3563  |
| 14   | 42375-3476  | 32  | 42375-3494  | 14   | 42375-3511  | 32                          | 42375-3529  | 14                            | 42375-3546  | 32                 | 42375-3564  |
| 15   | 42375-3477  | 33  | 42375-3495  | 15   | 42375-3512  | 33                          | 42375-3530  | 15                            | 42375-3547  | 33                 | 42375-3565  |
| 16   | 42375-3478  | 34  | 42375-3496  | 16   | 42375-3513  | 34                          | 42375-3531  | 16                            | 42375-3548  | 34                 | 42375-3566  |
| 17   | 42375-3479  | 35  | 42375-3497  | 17   | 42375-3514  | 35                          | 42375-3532  | 17                            | 42375-3549  | 35                 | 42375-3567  |
| 18   | 42375-3480  | 36  | 42375-3498  | 18   | 42375-3515  | 36                          | 42375-3533  | 18                            | 42375-3550  | 36                 | 42375-3568  |
| 19   | 42375-3481  |   |             | 19   | 42375-3516  |                             |             | 19                            | 42375-3551  |                    |             |
| REV: <b>T15</b>                                  |             | ECR/ECN INFORMATION:<br>EC No.: <b>UCP2009-1249</b><br>DATE: <b>12/2/2008</b> |             | TITLE: <b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> |             |                             |             | SHEET No.<br><b>- 24 -</b>    |             |                    |             |
| DOCUMENT NUMBER:<br><b>SD- 42375-001</b>         |             |   |             | CREATED / REVISED BY:<br><b>MKIPPER</b>                          |             | CHECKED BY:<br><b>JBELL</b> |             | APPROVED BY:<br><b>FSMITH</b> |             |                    |             |
| TEMPLATE FILENAME: PRODUCT_SPEC(SIZE_A)(V.1).DOC |             |   |             |  |             |                             |             |                               |             |                    |             |



ENG. NO: A-42375-3569/3603

| HEADER NUMBER:    | 42312-0036         |            |      |                 |            |
|-------------------|--------------------|------------|------|-----------------|------------|
| PIN NUMBER:       | 42663-ABB208       |            |      |                 |            |
| PIN LENGTH: L     | .455 / 11.56       |            |      |                 |            |
| MATING LENGTH: M  | .240 / 6.09        |            |      |                 |            |
| GOLD POINT: G     | .100 / 2.54        |            |      |                 |            |
| PC TAIL LENGTH: P | .125 / 3.18        |            |      |                 |            |
| TIN: T            | .100 / 2.54        |            |      |                 |            |
| CKTS:             | 4-36               |            |      |                 |            |
| KINKS:            | NO                 |            |      |                 |            |
| VOIDED CKTS:      | 5                  |            |      |                 |            |
| PACKAGING:        | BULK PK-40873-0041 |            |      |                 |            |
| CKTS              | MATERIAL NUMBER    | ENG NUMBER | CKTS | MATERIAL NUMBER | ENG NUMBER |
| 02                |                    |            | 20   | 423753587       | 42375-3587 |
| 03                |                    |            | 21   | 423753588       | 42375-3588 |
| 04                |                    |            | 22   | 423753589       | 42375-3589 |
| 05                | 423753572          | 42375-3572 | 23   | 423753590       | 42375-3590 |
| 06                | 423753573          | 42375-3573 | 24   | 423753591       | 42375-3591 |
| 07                | 423753574          | 42375-3574 | 25   | 423753592       | 42375-3592 |
| 08                | 423753575          | 42375-3575 | 26   | 423753593       | 42375-3593 |
| 09                | 423753576          | 42375-3576 | 27   | 423753594       | 42375-3594 |
| 10                | 423753577          | 42375-3577 | 28   | 423753595       | 42375-3595 |
| 11                | 423753578          | 42375-3578 | 29   | 423753596       | 42375-3596 |
| 12                | 423753579          | 42375-3579 | 30   | 423753597       | 42375-3597 |
| 13                | 423753580          | 42375-3580 | 31   | 423753598       | 42375-3598 |
| 14                | 423753581          | 42375-3581 | 32   | 423753599       | 42375-3599 |
| 15                | 423753582          | 42375-3582 | 33   | 423753600       | 42375-3600 |
| 16                | 423753583          | 42375-3583 | 34   | 423753601       | 42375-3601 |
| 17                | 423753584          | 42375-3584 | 35   | 423753602       | 42375-3602 |
| 18                | 423753585          | 42375-3585 | 36   | 423753603       | 42375-3603 |
| 19                | 423753586          | 42375-3586 |      |                 |            |

ENG. NO: A-42375-2974/3008

| HEADER NUMBER:    | 42312-0036         |            |      |                 |             |
|-------------------|--------------------|------------|------|-----------------|-------------|
| PIN NUMBER:       | 42663-FKB228       |            |      |                 |             |
| PIN LENGTH: L     | 1.020 / 25.91      |            |      |                 |             |
| MATING LENGTH: M  | .805 / 20.45       |            |      |                 |             |
| GOLD POINT: G     | .200 / 5.08        |            |      |                 |             |
| PC TAIL LENGTH: P | .125 / 3.18        |            |      |                 |             |
| TIN: T            | .200 / 5.08        |            |      |                 |             |
| CKTS:             | 2-36               |            |      |                 |             |
| KINKS:            | NO                 |            |      |                 |             |
| VOIDED CKTS:      | NONE               |            |      |                 |             |
| PACKAGING:        | BULK PK-40873-0043 |            |      |                 |             |
| CKTS              | MATERIAL NUMBER    | ENG NUMBER | CKTS | MATERIAL NUMBER | ITEM NUMBER |
| 02                |                    |            | 20   |                 |             |
| 03                |                    |            | 21   |                 |             |
| 04                |                    |            | 22   |                 |             |
| 05                | 423752977          | 42375-2977 | 23   |                 |             |
| 06                |                    |            | 24   |                 |             |
| 07                |                    |            | 25   |                 |             |
| 08                |                    |            | 26   |                 |             |
| 09                |                    |            | 27   |                 |             |
| 10                |                    |            | 28   |                 |             |
| 11                |                    |            | 29   |                 |             |
| 12                |                    |            | 30   |                 |             |
| 13                |                    |            | 31   |                 |             |
| 14                |                    |            | 32   |                 |             |
| 15                |                    |            | 33   |                 |             |
| 16                |                    |            | 34   |                 |             |
| 17                |                    |            | 35   |                 |             |
| 18                |                    |            | 36   |                 |             |
| 19                |                    |            |      |                 |             |

|   |  |  |                                      |
|---|--|--|--------------------------------------|
| REV:<br><b>T15</b>                              | <u>ECR/ECN INFORMATION:</u><br>EC No.: UCP2009-1249<br>DATE: 12/2/2008 | <u>TITLE:</u><br><b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> | <u>SHEET No.</u><br><b>- 25 -</b>    |
| <u>DOCUMENT NUMBER:</u><br><b>SD- 42375-001</b> | <u>CREATED / REVISED BY:</u><br><b>MKIPPER</b>                         | <u>CHECKED BY:</u><br><b>JBELL</b>   | <u>APPROVED BY:</u><br><b>FSMITH</b> |

TEMPLATE FILENAME: PRODUCT\_SPEC(SIZE\_A)(V.1).DOC

| ENG. NO: A-42375-3604/3637 |                 |                    |      |                 |            |
|----------------------------|-----------------|--------------------|------|-----------------|------------|
| HEADER NUMBER:             |                 | 42312-0036         |      |                 |            |
| PIN NUMBER:                |                 | 42663-AXA154       |      |                 |            |
| PIN LENGTH: L              |                 | .540 / 13.72       |      |                 |            |
| MATING LENGTH: M           |                 | .380 / 9.65        |      |                 |            |
| GOLD POINT: G              |                 | N/A                |      |                 |            |
| PC TAIL LENGTH: P          |                 | .070 / 1.78        |      |                 |            |
| TIN: T                     |                 | OVERALL            |      |                 |            |
| CKTS:                      |                 | 3-36               |      |                 |            |
| KINKS:                     |                 | NO                 |      |                 |            |
| VOIDED CKTS:               |                 | 2                  |      |                 |            |
| PACKAGING:                 |                 | BULK PK-40873-0041 |      |                 |            |
| CKTS                       | MATERIAL NUMBER | ENG NUMBER         | CKTS | MATERIAL NUMBER | ENG NUMBER |
| 02                         |                 |                    | 20   |                 |            |
| 03                         | 42375-3604      |                    | 21   |                 |            |
| 04                         |                 |                    | 22   |                 |            |
| 05                         |                 |                    | 23   |                 |            |
| 06                         |                 |                    | 24   |                 |            |
| 07                         |                 |                    | 25   |                 |            |
| 08                         |                 |                    | 26   |                 |            |
| 09                         |                 |                    | 27   |                 |            |
| 10                         |                 |                    | 28   |                 |            |
| 11                         |                 |                    | 29   |                 |            |
| 12                         |                 |                    | 30   |                 |            |
| 13                         |                 |                    | 31   |                 |            |
| 14                         |                 |                    | 32   |                 |            |
| 15                         |                 |                    | 33   |                 |            |
| 16                         |                 |                    | 34   |                 |            |
| 17                         |                 |                    | 35   |                 |            |
| 18                         |                 |                    | 36   |                 |            |
| 19                         |                 |                    |      |                 |            |

| ENG. NO: A-42375-3638/3658 |                 |                            |      |                 |             |
|----------------------------|-----------------|----------------------------|------|-----------------|-------------|
| HEADER NUMBER:             |                 | 42312-0036                 |      |                 |             |
| PIN NUMBER:                |                 | 42663-ABA154               |      |                 |             |
| PIN LENGTH: L              |                 | .455 / 11.56               |      |                 |             |
| MATING LENGTH: M           |                 | .240 / 6.09                |      |                 |             |
| GOLD POINT: G              |                 | N/A                        |      |                 |             |
| PC TAIL LENGTH: P          |                 | .125 / 3.18                |      |                 |             |
| TIN: T                     |                 | OVERALL                    |      |                 |             |
| CKTS:                      |                 | 2-36                       |      |                 |             |
| KINKS:                     |                 | NO                         |      |                 |             |
| VOIDED CKTS:               |                 | 2, 4, 6, 8, 10, 12, 14, 16 |      |                 |             |
| PACKAGING:                 |                 | BULK PK-40873-0041         |      |                 |             |
| CKTS                       | MATERIAL NUMBER | ENG NUMBER                 | CKTS | MATERIAL NUMBER | ITEM NUMBER |
| 02                         |                 |                            | 20   |                 |             |
| 03                         |                 |                            | 21   |                 |             |
| 04                         |                 |                            | 22   |                 |             |
| 05                         |                 |                            | 23   |                 |             |
| 06                         |                 |                            | 24   |                 |             |
| 07                         |                 |                            | 25   |                 |             |
| 08                         |                 |                            | 26   |                 |             |
| 09                         |                 |                            | 27   |                 |             |
| 10                         |                 |                            | 28   |                 |             |
| 11                         |                 |                            | 29   |                 |             |
| 12                         |                 |                            | 30   |                 |             |
| 13                         |                 |                            | 31   |                 |             |
| 14                         |                 |                            | 32   |                 |             |
| 15                         |                 |                            | 33   |                 |             |
| 16                         |                 |                            | 34   |                 |             |
| 17                         | 423753639       | 42375-3639                 | 35   |                 |             |
| 18                         |                 |                            | 36   |                 |             |
| 19                         |                 |                            |      |                 |             |

|   |                             |  |  |                                    |  |                                      |
|---|-----------------------------|--|--|------------------------------------|--|--------------------------------------|
| <b>REV:</b><br><b>T15</b>                       | <u>ECR/ECN INFORMATION:</u> |  | <u>TITLE:</u><br><b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> |                                    |  | <u>SHEET No.</u><br><b>- 26 -</b>    |
|   | EC No.: <b>UCP2009-1249</b> |  |  |                                    |  |                                      |
|   | DATE: <b>12/2/2008</b>      |  |  |                                    |  |                                      |
| <u>DOCUMENT NUMBER:</u><br><b>SD- 42375-001</b> |                             | <u>CREATED / REVISED BY:</u><br><b>MKIPPER</b> |  | <u>CHECKED BY:</u><br><b>JBELL</b> |  | <u>APPROVED BY:</u><br><b>FSMITH</b> |

42375

ENG. NO: 42375-3659/3693

| HEADER NUMBER:    | 42312-0036         |            |      |                 |            |
|-------------------|--------------------|------------|------|-----------------|------------|
| PIN NUMBER:       | 42663-AXB208       |            |      |                 |            |
| PIN LENGTH: L     | .540 / 13.72       |            |      |                 |            |
| MATING LENGTH: M  | .250 / 6.35        |            |      |                 |            |
| GOLD POINT: G     | .140 / 3.56        |            |      |                 |            |
| PC TAIL LENGTH: P | .200 / 5.08        |            |      |                 |            |
| TIN: T            | .135 / 3.43        |            |      |                 |            |
| CKTS:             | 2-36               |            |      |                 |            |
| KINKS:            | NO                 |            |      |                 |            |
| VOIDED CKTS:      | NONE               |            |      |                 |            |
| PACKAGING:        | BULK PK-40873-0041 |            |      |                 |            |
| CKTS              | MATERIAL NUMBER    | ENG NUMBER | CKTS | MATERIAL NUMBER | ENG NUMBER |
| 02                | 68300-2000         | 42375-3659 | 20   |                 | 42375-3677 |
| 03                | 68300-2001         | 42375-3660 | 21   |                 | 42375-3678 |
| 04                |                    | 42375-3661 | 22   |                 | 42375-3679 |
| 05                | 68300-2006         | 42375-3662 | 23   |                 | 42375-3680 |
| 06                |                    | 42375-3663 | 24   |                 | 42375-3681 |
| 07                |                    | 42375-3664 | 25   |                 | 42375-3682 |
| 08                |                    | 42375-3665 | 26   |                 | 42375-3683 |
| 09                |                    | 42375-3666 | 27   |                 | 42375-3684 |
| 10                |                    | 42375-3667 | 28   |                 | 42375-3685 |
| 11                |                    | 42375-3668 | 29   |                 | 42375-3686 |
| 12                |                    | 42375-3669 | 30   |                 | 42375-3687 |
| 13                |                    | 42375-3670 | 31   |                 | 42375-3688 |
| 14                |                    | 42375-3671 | 32   |                 | 42375-3689 |
| 15                |                    | 42375-3672 | 33   |                 | 42375-3690 |
| 16                |                    | 42375-3673 | 34   |                 | 42375-3691 |
| 17                |                    | 42375-3674 | 35   |                 | 42375-3692 |
| 18                |                    | 42375-3675 | 36   |                 | 42375-3693 |
| 19                |                    | 42375-3676 |      |                 |            |

ENG. NO: 42375-3694/3728

| HEADER NUMBER:    | 42312-0036         |            |      |                 |            |
|-------------------|--------------------|------------|------|-----------------|------------|
| PIN NUMBER:       | 42663-AXB208       |            |      |                 |            |
| PIN LENGTH: L     | .540 / 13.72       |            |      |                 |            |
| MATING LENGTH: M  | .250 / 6.35        |            |      |                 |            |
| GOLD POINT: G     | .140 / 3.56        |            |      |                 |            |
| PC TAIL LENGTH: P | .200 / 5.08        |            |      |                 |            |
| TIN: T            | .135 / 3.43        |            |      |                 |            |
| CKTS:             | 2-36               |            |      |                 |            |
| KINKS:            | NO                 |            |      |                 |            |
| VOIDED CKTS:      | 5                  |            |      |                 |            |
| PACKAGING:        | BULK PK-40873-0041 |            |      |                 |            |
| CKTS              | MATERIAL NUMBER    | ENG NUMBER | CKTS | MATERIAL NUMBER | ENG NUMBER |
| 02                |                    | 42375-3694 | 20   |                 | 42375-3712 |
| 03                |                    | 42375-3695 | 21   |                 | 42375-3713 |
| 04                |                    | 42375-3696 | 22   |                 | 42375-3714 |
| 05                |                    | 42375-3697 | 23   |                 | 42375-3715 |
| 06                |                    | 42375-3698 | 24   |                 | 42375-3716 |
| 07                |                    | 42375-3699 | 25   |                 | 42375-3717 |
| 08                | 68300-2002         | 42375-3700 | 26   |                 | 42375-3718 |
| 09                |                    | 42375-3701 | 27   |                 | 42375-3719 |
| 10                |                    | 42375-3702 | 28   |                 | 42375-3720 |
| 11                |                    | 42375-3703 | 29   |                 | 42375-3721 |
| 12                |                    | 42375-3704 | 30   |                 | 42375-3722 |
| 13                |                    | 42375-3705 | 31   |                 | 42375-3723 |
| 14                |                    | 42375-3706 | 32   |                 | 42375-3724 |
| 15                |                    | 42375-3707 | 33   |                 | 42375-3725 |
| 16                |                    | 42375-3708 | 34   |                 | 42375-3726 |
| 17                |                    | 42375-3709 | 35   |                 | 42375-3727 |
| 18                |                    | 42375-3710 | 36   |                 | 42375-3728 |
| 19                |                    | 42375-3711 |      |                 |            |

REV:

T15

ECR/ECN INFORMATION:

EC No.: UCP2009-1249

DATE: 12/2/2008

TITLE:

**KK 100 HEADER ASSY  
FLAT VERTICAL  
BREAKAWAY**

SHEET No.

- 27 -

DOCUMENT NUMBER:

SD- 42375-001

CREATED / REVISED BY:

MKIPPER

CHECKED BY:

JBELL

APPROVED BY:

FSMITH

TEMPLATE FILENAME: PRODUCT\_SPEC(SIZE\_A)(V.1).DOC

| ENG. NO: 42375-3729/3763 |                 |                    |      |                 |            |
|--------------------------|-----------------|--------------------|------|-----------------|------------|
| HEADER NUMBER:           |                 | 42312-0036         |      |                 |            |
| PIN NUMBER:              |                 | 42663-AFB208       |      |                 |            |
| PIN LENGTH: L            |                 | .475 / 12.07       |      |                 |            |
| MATING LENGTH: M         |                 | .232 / 5.89        |      |                 |            |
| GOLD POINT: G            |                 | .150 / 3.81        |      |                 |            |
| PC TAIL LENGTH: P        |                 | .153 / 3.89        |      |                 |            |
| TIN: T                   |                 | .150 / 3.81        |      |                 |            |
| CKTS:                    |                 | 2-36               |      |                 |            |
| KINKS:                   |                 | NO                 |      |                 |            |
| VOIDED CKTS:             |                 | 5                  |      |                 |            |
| PACKAGING:               |                 | BULK PK-40873-0041 |      |                 |            |
| CKTS                     | MATERIAL NUMBER | ENG NUMBER         | CKTS | MATERIAL NUMBER | ENG NUMBER |
| 02                       |                 | 42375-3729         | 20   |                 | 42375-3747 |
| 03                       |                 | 42375-3730         | 21   |                 | 42375-3748 |
| 04                       |                 | 42375-3731         | 22   |                 | 42375-3749 |
| 05                       |                 | 42375-3732         | 23   |                 | 42375-3750 |
| 06                       |                 | 42375-3733         | 24   |                 | 42375-3751 |
| 07                       |                 | 42375-3734         | 25   |                 | 42375-3752 |
| 08                       | 68300-2007      | 42375-3735         | 26   |                 | 42375-3753 |
| 09                       |                 | 42375-3736         | 27   |                 | 42375-3754 |
| 10                       |                 | 42375-3737         | 28   |                 | 42375-3755 |
| 11                       |                 | 42375-3738         | 29   |                 | 42375-3756 |
| 12                       |                 | 42375-3739         | 30   |                 | 42375-3757 |
| 13                       |                 | 42375-3740         | 31   |                 | 42375-3758 |
| 14                       |                 | 42375-3741         | 32   |                 | 42375-3759 |
| 15                       |                 | 42375-3742         | 33   |                 | 42375-3760 |
| 16                       |                 | 42375-3743         | 34   |                 | 42375-3761 |
| 17                       |                 | 42375-3744         | 35   |                 | 42375-3762 |
| 18                       |                 | 42375-3745         | 36   |                 | 42375-3763 |
| 19                       |                 | 42375-3746         |      |                 |            |

| ENG. NO: 42375-3764/3798 |             |                    |             |
|--------------------------|-------------|--------------------|-------------|
| HEADER NUMBER:           |             | 42312-0036         |             |
| PIN NUMBER:              |             | 42663-ETA154       |             |
| PIN LENGTH: L            |             | .950/24.13         |             |
| MATING LENGTH: M         |             | .750/19.05         |             |
| GOLD POINT: G            |             | N/A                |             |
| PC TAIL LENGTH: P        |             | .110/2.79          |             |
| TIN: T                   |             | OVERALL            |             |
| CKTS:                    |             | 2-36               |             |
| KINKS:                   |             | NO                 |             |
| VOIDED CKTS:             |             | 2                  |             |
| PACKAGING:               |             | BULK PK-40873-0043 |             |
| CKTS                     | ITEM NUMBER | CKTS               | ITEM NUMBER |
| 02                       |             | 20                 |             |
| 03                       |             | 21                 |             |
| 04                       |             | 22                 |             |
| 05                       |             | 23                 |             |
| 06                       |             | 24                 |             |
| 07                       |             | 25                 |             |
| 08                       | 42375-3770  | 26                 |             |
| 09                       |             | 27                 |             |
| 10                       |             | 28                 |             |
| 11                       |             | 29                 |             |
| 12                       |             | 30                 |             |
| 13                       |             | 31                 |             |
| 14                       |             | 32                 |             |
| 15                       |             | 33                 |             |
| 16                       |             | 34                 |             |
| 17                       |             | 35                 |             |
| 18                       |             | 36                 |             |
| 19                       |             |                    |             |

|   |                             |  |  |                                      |
|---|-----------------------------|--|--|--------------------------------------|
| REV:<br><b>T15</b>                              | <u>ECR/ECN INFORMATION:</u> |  | <u>TITLE:</u><br><b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> | <u>SHEET No.</u><br><b>- 28 -</b>    |
|   | <u>EC No.:</u>              | <b>UCP2009-1249</b>                            |  |                                      |
|   | <u>DATE:</u>                | <b>12/2/2008</b>                               |  |                                      |
| <u>DOCUMENT NUMBER:</u><br><b>SD- 42375-001</b> |                             | <u>CREATED / REVISED BY:</u><br><b>MKIPPER</b> | <u>CHECKED BY:</u><br><b>JBELL</b>   | <u>APPROVED BY:</u><br><b>FSMITH</b> |

| ENG. NO: 42375-3799/3832 |                 |                    |                 |
|--------------------------|-----------------|--------------------|-----------------|
| HEADER NUMBER:           |                 | 42312-0036         |                 |
| PIN NUMBER:              |                 | 42663-ABA154       |                 |
| PIN LENGTH: L            |                 | .455 / 11.56       |                 |
| MATING LENGTH: M         |                 | .240 / 6.09        |                 |
| GOLD POINT: G            |                 | N/A                |                 |
| PC TAIL LENGTH: P        |                 | .125 / 3.18        |                 |
| TIN: T                   |                 | OVERALL            |                 |
| CKTS:                    |                 | 3-36               |                 |
| KINKS:                   |                 | NO                 |                 |
| VOIDED CKTS:             |                 | 3                  |                 |
| PACKAGING:               |                 | BULK PK-40873-0041 |                 |
| CKTS                     | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
| 02                       |                 | 20                 |                 |
| 03                       |                 | 21                 |                 |
| 04                       |                 | 22                 |                 |
| 05                       | 42375-3801      | 23                 |                 |
| 06                       |                 | 24                 |                 |
| 07                       |                 | 25                 |                 |
| 08                       |                 | 26                 |                 |
| 09                       |                 | 27                 |                 |
| 10                       |                 | 28                 |                 |
| 11                       |                 | 29                 |                 |
| 12                       |                 | 30                 |                 |
| 13                       |                 | 31                 |                 |
| 14                       |                 | 32                 |                 |
| 15                       |                 | 33                 |                 |
| 16                       |                 | 34                 |                 |
| 17                       |                 | 35                 |                 |
| 18                       |                 | 36                 |                 |
| 19                       |                 |                    |                 |

| ENG. NO: 42375-3733/3867 |                 |                    |                 |
|--------------------------|-----------------|--------------------|-----------------|
| HEADER NUMBER:           |                 | 42312-0036         |                 |
| PIN NUMBER:              |                 | 42663-ABB208       |                 |
| PIN LENGTH: L            |                 | .455 / 11.56       |                 |
| MATING LENGTH: M         |                 | .250 / 6.35        |                 |
| GOLD POINT: G            |                 | .100 / 2.54        |                 |
| PC TAIL LENGTH: P        |                 | .115 / 2.92        |                 |
| TIN: T                   |                 | .100 / 3.18        |                 |
| CKTS:                    |                 | 2-36               |                 |
| KINKS:                   |                 | NO                 |                 |
| VOIDED CKTS:             |                 | NONE               |                 |
| PACKAGING:               |                 | BULK PK-40873-0041 |                 |
| CKTS                     | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
| 02                       |                 | 20                 |                 |
| 03                       |                 | 21                 |                 |
| 04                       |                 | 22                 |                 |
| 05                       | 42375-3836      | 23                 |                 |
| 06                       |                 | 24                 |                 |
| 07                       |                 | 25                 |                 |
| 08                       |                 | 26                 |                 |
| 09                       |                 | 27                 |                 |
| 10                       |                 | 28                 |                 |
| 11                       |                 | 29                 |                 |
| 12                       |                 | 30                 |                 |
| 13                       |                 | 31                 |                 |
| 14                       |                 | 32                 |                 |
| 15                       |                 | 33                 |                 |
| 16                       |                 | 34                 |                 |
| 17                       |                 | 35                 |                 |
| 18                       |                 | 36                 |                 |
| 19                       |                 |                    |                 |

| ENG. NO: 42375-3868 / 3902 |             |                    |             |
|----------------------------|-------------|--------------------|-------------|
| HEADER NUMBER:             |             | 42312-0036         |             |
| PIN NUMBER:                |             | 42663-DWA154       |             |
| PIN LENGTH: L              |             | .850 / 21.59       |             |
| MATING LENGTH: M           |             | .640 / 16.26       |             |
| GOLD POINT: G              |             | N/A                |             |
| PC TAIL LENGTH: P          |             | .120 / 3.05        |             |
| TIN: T                     |             | OVERALL            |             |
| CKTS:                      |             | 2-36               |             |
| KINKS:                     |             | NO                 |             |
| VOIDED CKTS:               |             | NONE               |             |
| PACKAGING:                 |             | BULK PK-40873-0041 |             |
| CKTS                       | ITEM NUMBER | CKTS               | ITEM NUMBER |
| 02                         |             | 20                 |             |
| 03                         |             | 21                 |             |
| 04                         | 42375-3870  | 22                 |             |
| 05                         |             | 23                 |             |
| 06                         | 42375-3872  | 24                 |             |
| 07                         |             | 25                 |             |
| 08                         |             | 26                 |             |
| 09                         |             | 27                 |             |
| 10                         |             | 28                 |             |
| 11                         |             | 29                 |             |
| 12                         |             | 30                 |             |
| 13                         |             | 31                 |             |
| 14                         |             | 32                 |             |
| 15                         |             | 33                 |             |
| 16                         |             | 34                 |             |
| 17                         |             | 35                 |             |
| 18                         |             | 36                 |             |
| 19                         |             |                    |             |

|   |                             |  |  |                                      |
|---|-----------------------------|--|--|--------------------------------------|
| REV:<br><b>T15</b>                              | <u>ECR/ECN INFORMATION:</u> |  | <u>TITLE:</u><br><b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> | <u>SHEET No.</u><br><b>- 29 -</b>    |
|   | EC No.: <b>UCP2009-1249</b> | DATE: <b>12/2/2008</b>                         |  |                                      |
| <u>DOCUMENT NUMBER:</u><br><b>SD- 42375-001</b> |                             | <u>CREATED / REVISED BY:</u><br><b>MKIPPER</b> | <u>CHECKED BY:</u><br><b>JBELL</b>   | <u>APPROVED BY:</u><br><b>FSMITH</b> |

| ENG. NO: 42375-3903/3932 |                 |                    |                 | ENG. NO: 42375-3933/3964 |                 |                    |                 | ENG. NO: 42375-3965/3995 |                 |                    |                 |
|--------------------------|-----------------|--------------------|-----------------|--------------------------|-----------------|--------------------|-----------------|--------------------------|-----------------|--------------------|-----------------|
| HEADER NUMBER:           |                 | 42312-0036         |                 | HEADER NUMBER:           |                 | 42312-0036         |                 | HEADER NUMBER:           |                 | 42312-0036         |                 |
| PIN NUMBER:              |                 | 42663-BSA154       |                 | PIN NUMBER:              |                 | 42663-BSA154       |                 | PIN NUMBER:              |                 | 42663-BSA154       |                 |
| PIN LENGTH: L            |                 | .630 / 16.00       |                 | PIN LENGTH: L            |                 | .630 / 16.00       |                 | PIN LENGTH: L            |                 | .630 / 16.00       |                 |
| MATING LENGTH: M         |                 | .421 / 10.69       |                 | MATING LENGTH: M         |                 | .405/10.29         |                 | MATING LENGTH: M         |                 | .405/10.29         |                 |
| GOLD POINT: G            |                 | N/A                |                 | GOLD POINT: G            |                 | N/A                |                 | GOLD POINT: G            |                 | N/A                |                 |
| PC TAIL LENGTH: P        |                 | .119 / 3.02        |                 | PC TAIL LENGTH: P        |                 | .135/3.43          |                 | PC TAIL LENGTH: P        |                 | .135/3.43          |                 |
| TIN: T                   |                 | OVERALL            |                 | TIN: T                   |                 | OVERALL            |                 | TIN: T                   |                 | OVERALL            |                 |
| CKTS:                    |                 | 7-36               |                 | CKTS:                    |                 | 5-36               |                 | CKTS:                    |                 | 6-36               |                 |
| KINKS:                   |                 | NO                 |                 | KINKS:                   |                 | YES                |                 | KINKS:                   |                 | YES                |                 |
| VOIDED CKTS:             |                 | 7                  |                 | VOIDED CKTS:             |                 | 5                  |                 | VOIDED CKTS:             |                 | 4, 5, 6            |                 |
| PACKAGING:               |                 | BULK PK-40873-0041 |                 | PACKAGING:               |                 | BULK PK-40873-0041 |                 | PACKAGING:               |                 | BULK PK-40873-0041 |                 |
| CKTS                     | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER | CKTS                     | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER | CKTS                     | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
| 02                       |                 | 20                 |                 | 02                       |                 | 20                 |                 | 02                       |                 | 20                 |                 |
| 03                       |                 | 21                 |                 | 03                       |                 | 21                 |                 | 03                       |                 | 21                 |                 |
| 04                       |                 | 22                 |                 | 04                       |                 | 22                 |                 | 04                       |                 | 22                 |                 |
| 05                       |                 | 23                 |                 | 05                       |                 | 23                 |                 | 05                       |                 | 23                 |                 |
| 06                       |                 | 24                 |                 | 06                       |                 | 24                 |                 | 06                       |                 | 24                 |                 |
| 07                       |                 | 25                 |                 | 07                       |                 | 25                 |                 | 07                       |                 | 25                 |                 |
| 08                       | 42375-3904      | 26                 |                 | 08                       |                 | 26                 |                 | 08                       |                 | 26                 |                 |
| 09                       |                 | 27                 |                 | 09                       | 42375-3937      | 27                 |                 | 09                       | 42375-3968      | 27                 |                 |
| 10                       |                 | 28                 |                 | 10                       |                 | 28                 |                 | 10                       |                 | 28                 |                 |
| 11                       |                 | 29                 |                 | 11                       |                 | 29                 |                 | 11                       |                 | 29                 |                 |
| 12                       |                 | 30                 |                 | 12                       |                 | 30                 |                 | 12                       |                 | 30                 |                 |
| 13                       |                 | 31                 |                 | 13                       |                 | 31                 |                 | 13                       |                 | 31                 |                 |
| 14                       |                 | 32                 |                 | 14                       |                 | 32                 |                 | 14                       |                 | 32                 |                 |
| 15                       |                 | 33                 |                 | 15                       |                 | 33                 |                 | 15                       |                 | 33                 |                 |
| 16                       |                 | 34                 |                 | 16                       |                 | 34                 |                 | 16                       |                 | 34                 |                 |
| 17                       |                 | 35                 |                 | 17                       |                 | 35                 |                 | 17                       |                 | 35                 |                 |
| 18                       |                 | 36                 |                 | 18                       |                 | 36                 |                 | 18                       |                 | 36                 |                 |
| 19                       |                 |                    |                 | 19                       |                 |                    |                 | 19                       |                 |                    |                 |

|                         |                              |   |                     |
|-------------------------|------------------------------|---|---------------------|
| REV:                    | <u>ECR/ECN INFORMATION:</u>  | <u>TITLE:</u>   | <u>SHEET No.</u>    |
| <b>T15</b>              | EC No.: UCP2009-1249         | <b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> | <b>- 30 -</b>       |
|                         | DATE: 12/2/2008              |   |                     |
| <u>DOCUMENT NUMBER:</u> | <u>CREATED / REVISED BY:</u> | <u>CHECKED BY:</u>  | <u>APPROVED BY:</u> |
| <b>SD- 42375-001</b>    | <b>MKIPPER</b>               | <b>JBELL</b>  | <b>FSMITH</b>       |

TEMPLATE FILENAME: PRODUCT\_SPEC(SIZE\_A)(V.1).DOC

|                            |             |                    |             |                          |                 |                    |                 |                            |                 |                    |                 |
|----------------------------|-------------|--------------------|-------------|--------------------------|-----------------|--------------------|-----------------|----------------------------|-----------------|--------------------|-----------------|
| ENG. NO: A-42375-3996/4030 |             |                    |             | ENG. NO: 42375-4031/4059 |                 |                    |                 | ENG. NO: 42375-4060 / 4094 |                 |                    |                 |
| HEADER NUMBER:             |             | 42312-0036         |             | HEADER NUMBER:           |                 | 42312-0036         |                 | HEADER NUMBER:             |                 | 42312-0036         |                 |
| PIN NUMBER:                |             | 42663-AXA154       |             | PIN NUMBER:              |                 | 42663-ABA154       |                 | PIN NUMBER:                |                 | 42663-CGA154       |                 |
| PIN LENGTH: L              |             | .540 / 13.72       |             | PIN LENGTH: L            |                 | .455 / 11.56       |                 | PIN LENGTH: L              |                 | .690 / 17.53       |                 |
| MATING LENGTH: M           |             | .390 / 9.91        |             | MATING LENGTH: M         |                 | .240 / 6.09        |                 | MATING LENGTH: M           |                 | .521 / 13.23       |                 |
| GOLD POINT: G              |             | N/A                |             | GOLD POINT: G            |                 | N/A                |                 | GOLD POINT: G              |                 | N/A                |                 |
| PC TAIL LENGTH: P          |             | .060 / 1.52        |             | PC TAIL LENGTH: P        |                 | .125 / 3.18        |                 | PC TAIL LENGTH: P          |                 | .079 / 2.01        |                 |
| TIN: T                     |             | OVERALL            |             | TIN: T                   |                 | OVERALL            |                 | TIN: T                     |                 | OVERALL            |                 |
| CKTS:                      |             | 2-36               |             | CKTS:                    |                 | 8-36               |                 | CKTS:                      |                 | 2-36               |                 |
| KINKS:                     |             | NO                 |             | KINKS:                   |                 | NO                 |                 | KINKS:                     |                 | NO                 |                 |
| VOIDED CKTS:               |             | NONE               |             | VOIDED CKTS:             |                 | 2, 4, 6, 8         |                 | VOIDED CKTS:               |                 | NONE               |                 |
| PACKAGING:                 |             | BULK PK-40873-0041 |             | PACKAGING:               |                 | BULK PK-40873-0041 |                 | PACKAGING:                 |                 | BULK PK-40873-0041 |                 |
| CKTS                       | ITEM NUMBER | CKTS               | ITEM NUMBER | CKTS                     | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER | CKTS                       | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
| 02                         |             | 20                 |             | 02                       |                 | 20                 |                 | 02                         |                 | 20                 |                 |
| 03                         |             | 21                 |             | 03                       |                 | 21                 |                 | 03                         |                 | 21                 |                 |
| 04                         |             | 22                 |             | 04                       |                 | 22                 |                 | 04                         |                 | 22                 |                 |
| 05                         |             | 23                 |             | 05                       |                 | 23                 |                 | 05                         |                 | 23                 |                 |
| 06                         | 42375-4000  | 24                 |             | 06                       |                 | 24                 |                 | 06                         | 42375-4064      | 24                 |                 |
| 07                         | 42375-4001  | 25                 |             | 07                       |                 | 25                 |                 | 07                         |                 | 25                 |                 |
| 08                         |             | 26                 |             | 08                       |                 | 26                 |                 | 08                         |                 | 26                 |                 |
| 09                         |             | 27                 |             | 09                       | 42375-4032      | 27                 |                 | 09                         |                 | 27                 |                 |
| 10                         |             | 28                 |             | 10                       |                 | 28                 |                 | 10                         |                 | 28                 |                 |
| 11                         |             | 29                 |             | 11                       |                 | 29                 |                 | 11                         |                 | 29                 |                 |
| 12                         |             | 30                 |             | 12                       |                 | 30                 |                 | 12                         |                 | 30                 |                 |
| 13                         |             | 31                 |             | 13                       |                 | 31                 |                 | 13                         |                 | 31                 |                 |
| 14                         |             | 32                 |             | 14                       |                 | 32                 |                 | 14                         |                 | 32                 |                 |
| 15                         |             | 33                 |             | 15                       |                 | 33                 |                 | 15                         |                 | 33                 |                 |
| 16                         |             | 34                 |             | 16                       |                 | 34                 |                 | 16                         |                 | 34                 |                 |
| 17                         |             | 35                 |             | 17                       |                 | 35                 |                 | 17                         |                 | 35                 |                 |
| 18                         |             | 36                 |             | 18                       |                 | 36                 |                 | 18                         |                 | 36                 |                 |
| 19                         |             |                    |             | 19                       |                 |                    |                 | 19                         |                 |                    |                 |

|   |  |  |                                      |
|---|--|--|--------------------------------------|
| <b>REV:</b><br><b>T15</b>                       | <u>ECR/ECN INFORMATION:</u><br>EC No.: <b>UCP2009-1249</b><br>DATE: <b>12/2/2008</b> | <u>TITLE:</u><br><b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> | <u>SHEET No.</u><br><b>- 31 -</b>    |
| <u>DOCUMENT NUMBER:</u><br><b>SD- 42375-001</b> | <u>CREATED / REVISED BY:</u><br><b>MKIPPER</b>                                       | <u>CHECKED BY:</u><br><b>JBELL</b>   | <u>APPROVED BY:</u><br><b>FSMITH</b> |

TEMPLATE FILENAME: PRODUCT\_SPEC(SIZE\_A)(V.1).DOC

| ENG. NO: A-42375-4095/4129 |             |                    |             |
|----------------------------|-------------|--------------------|-------------|
| HEADER NUMBER:             |             | 42312-0036         |             |
| PIN NUMBER:                |             | 42663-DEB228       |             |
| PIN LENGTH: L              |             | .785 / 19.94       |             |
| MATING LENGTH: M           |             | .470 / 11.94       |             |
| GOLD POINT: G              |             | .250 / 6.35        |             |
| PC TAIL LENGTH: P          |             | .225 / 5.72        |             |
| TIN: T                     |             | .200 / 5.08        |             |
| CKTS:                      |             | 2-36               |             |
| KINKS:                     |             | NO                 |             |
| VOIDED CKTS:               |             | NONE               |             |
| PACKAGING:                 |             | BULK PK-40873-0041 |             |
| CKTS                       | ITEM NUMBER | CKTS               | ITEM NUMBER |
| 02                         |             | 20                 |             |
| 03                         |             | 21                 |             |
| 04                         |             | 22                 |             |
| 05                         |             | 23                 |             |
| 06                         |             | 24                 |             |
| 07                         |             | 25                 |             |
| 08                         |             | 26                 |             |
| 09                         |             | 27                 |             |
| 10                         | 42375-4103  | 28                 |             |
| 11                         |             | 29                 |             |
| 12                         |             | 30                 |             |
| 13                         |             | 31                 |             |
| 14                         |             | 32                 |             |
| 15                         |             | 33                 |             |
| 16                         |             | 34                 |             |
| 17                         |             | 35                 |             |
| 18                         | 42375-4111  | 36                 |             |
| 19                         |             |                    |             |

| ENG. NO: A-42375-4130/4161 |             |                    |             |
|----------------------------|-------------|--------------------|-------------|
| HEADER NUMBER:             |             | 42312-0036         |             |
| PIN NUMBER:                |             | 42663-ATA154       |             |
| PIN LENGTH: L              |             | .530/13.46         |             |
| MATING LENGTH: M           |             | .320/8.13          |             |
| GOLD POINT: G              |             | N/A                |             |
| PC TAIL LENGTH: P          |             | .120/3.05          |             |
| TIN: T                     |             | OVERALL            |             |
| CKTS:                      |             | 5-36               |             |
| KINKS:                     |             | YES                |             |
| VOIDED CKTS:               |             | 2, 3, 4            |             |
| PACKAGING:                 |             | BULK PK-40873-0041 |             |
| CKTS                       | ITEM NUMBER | CKTS               | ITEM NUMBER |
|                            |             | 20                 |             |
|                            |             | 21                 |             |
|                            |             | 22                 |             |
| 05                         | 42375-4130  | 23                 |             |
| 06                         |             | 24                 |             |
| 07                         |             | 25                 |             |
| 08                         |             | 26                 |             |
| 09                         |             | 27                 |             |
| 10                         |             | 28                 |             |
| 11                         |             | 29                 |             |
| 12                         |             | 30                 |             |
| 13                         |             | 31                 |             |
| 14                         |             | 32                 |             |
| 15                         |             | 33                 |             |
| 16                         |             | 34                 |             |
| 17                         |             | 35                 |             |
| 18                         |             | 36                 |             |
| 19                         |             |                    |             |

| ENG. NO: 42375-4162/4196 |                 |                    |                 |
|--------------------------|-----------------|--------------------|-----------------|
| HEADER NUMBER:           |                 | 42312-0036         |                 |
| PIN NUMBER:              |                 | 42663-BSC228       |                 |
| PIN LENGTH: L            |                 | .630/16.00         |                 |
| MATING LENGTH: M         |                 | .400/10.16         |                 |
| GOLD POINT: G            |                 | .345/8.76          |                 |
| PC TAIL LENGTH: P        |                 | .140/3.56          |                 |
| TIN: T                   |                 | .100/2.54          |                 |
| CKTS:                    |                 | 2-36               |                 |
| KINKS:                   |                 | NO                 |                 |
| VOIDED CKTS:             |                 | NONE               |                 |
| PACKAGING:               |                 | BULK PK-40873-0041 |                 |
| CKTS                     | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
| 02                       |                 | 20                 |                 |
| 03                       |                 | 21                 |                 |
| 04                       | 42375-4164      | 22                 |                 |
| 05                       | 42375-4165      | 23                 |                 |
| 06                       |                 | 24                 |                 |
| 07                       |                 | 25                 |                 |
| 08                       |                 | 26                 |                 |
| 09                       |                 | 27                 |                 |
| 10                       |                 | 28                 |                 |
| 11                       |                 | 29                 |                 |
| 12                       |                 | 30                 |                 |
| 13                       |                 | 31                 |                 |
| 14                       |                 | 32                 |                 |
| 15                       |                 | 33                 |                 |
| 16                       |                 | 34                 |                 |
| 17                       |                 | 35                 |                 |
| 18                       |                 | 36                 |                 |
| 19                       |                 |                    |                 |

|   |                             |  |  |                                      |
|---|-----------------------------|--|--|--------------------------------------|
| REV:<br><b>T15</b>                              | <u>ECR/ECN INFORMATION:</u> |  | <u>TITLE:</u><br><b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> | <u>SHEET No.</u><br><b>- 32 -</b>    |
|   | EC No.: <b>UCP2009-1249</b> | DATE: <b>12/2/2008</b>                         |  |                                      |
| <u>DOCUMENT NUMBER:</u><br><b>SD- 42375-001</b> |                             | <u>CREATED / REVISED BY:</u><br><b>MKIPPER</b> | <u>CHECKED BY:</u><br><b>JBELL</b>   | <u>APPROVED BY:</u><br><b>FSMITH</b> |



| ENG. NO: A-42375-1622 |                 |                    |                 |
|-----------------------|-----------------|--------------------|-----------------|
| HEADER NUMBER:        |                 | 42312-0036         |                 |
| PIN NUMBER:           |                 | 42663-AYB208       |                 |
| PIN LENGTH: L         |                 | .545 / 13.84       |                 |
| MATING LENGTH: M      |                 | .320 / 8.13        |                 |
| GOLD POINT: G         |                 | .140 / 3.56        |                 |
| PC TAIL LENGTH: P     |                 | .135 / 3.43        |                 |
| TIN: T                |                 | .135 / 3.43        |                 |
| CKTS:                 |                 | 2-36               |                 |
| KINKS:                |                 | SMES-42003         |                 |
| VOIDED CKTS:          |                 | 3                  |                 |
| PACKAGING:            |                 | BULK PK-40873-0041 |                 |
| CKTS                  | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
| 02                    |                 | 20                 |                 |
| 03                    |                 | 21                 |                 |
| 04                    |                 | 22                 |                 |
| 05                    |                 | 23                 |                 |
| 06                    |                 | 24                 |                 |
| 07                    |                 | 25                 |                 |
| 08                    |                 | 26                 |                 |
| 09                    | 42375-1622      | 27                 |                 |
| 10                    |                 | 28                 |                 |
| 11                    |                 | 29                 |                 |
| 12                    |                 | 30                 |                 |
| 13                    |                 | 31                 |                 |
| 14                    |                 | 32                 |                 |
| 15                    |                 | 33                 |                 |
| 16                    |                 | 34                 |                 |
| 17                    |                 | 35                 |                 |
| 18                    |                 | 36                 |                 |
| 19                    |                 |                    |                 |

| ENG. NO: A-42375-4199 |                 |                    |                 |
|-----------------------|-----------------|--------------------|-----------------|
| HEADER NUMBER:        |                 | 42312-0036         |                 |
| PIN NUMBER:           |                 | 42663-ARB228       |                 |
| PIN LENGTH: L         |                 | .520 / 13.21       |                 |
| MATING LENGTH: M      |                 | .230 / 5.84        |                 |
| GOLD POINT: G         |                 | .140 / 3.56        |                 |
| PC TAIL LENGTH: P     |                 | .200 / 5.08        |                 |
| TIN: T                |                 | .135 / 3.43        |                 |
| CKTS:                 |                 | 2-36               |                 |
| KINKS:                |                 | NO                 |                 |
| VOIDED CKTS:          |                 | NONE               |                 |
| PACKAGING:            |                 | BULK PK-40873-0041 |                 |
| CKTS                  | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
| 02                    | 42375-4199      | 20                 |                 |
| 03                    |                 | 21                 |                 |
| 04                    |                 | 22                 |                 |
| 05                    |                 | 23                 |                 |
| 06                    |                 | 24                 |                 |
| 07                    |                 | 25                 |                 |
| 08                    |                 | 26                 |                 |
| 09                    |                 | 27                 |                 |
| 10                    |                 | 28                 |                 |
| 11                    |                 | 29                 |                 |
| 12                    |                 | 30                 |                 |
| 13                    |                 | 31                 |                 |
| 14                    |                 | 32                 |                 |
| 15                    |                 | 33                 |                 |
| 16                    |                 | 34                 |                 |
| 17                    |                 | 35                 |                 |
| 18                    |                 | 36                 |                 |
| 19                    |                 |                    |                 |

| ENG. NO: A-42375-4200 |                 |                    |                 |
|-----------------------|-----------------|--------------------|-----------------|
| HEADER NUMBER:        |                 | 42312-0036         |                 |
| PIN NUMBER:           |                 | 42663-ADB208       |                 |
| PIN LENGTH: L         |                 | .465 / 11.81       |                 |
| MATING LENGTH: M      |                 | .240 / 6.09        |                 |
| GOLD POINT: G         |                 | .100 / 2.54        |                 |
| PC TAIL LENGTH: P     |                 | .135 / 3.43        |                 |
| TIN: T                |                 | .100 / 2.54        |                 |
| CKTS:                 |                 | 2-36               |                 |
| KINKS:                |                 | SMES-42003         |                 |
| VOIDED CKTS:          |                 | 3, 4               |                 |
| PACKAGING:            |                 | BULK PK-40873-0041 |                 |
| CKTS                  | MATERIAL NUMBER | CKTS               | MATERIAL NUMBER |
| 02                    |                 | 20                 |                 |
| 03                    |                 | 21                 |                 |
| 04                    |                 | 22                 |                 |
| 05                    | 42375-4200      | 23                 |                 |
| 06                    |                 | 24                 |                 |
| 07                    |                 | 25                 |                 |
| 08                    |                 | 26                 |                 |
| 09                    |                 | 27                 |                 |
| 10                    |                 | 28                 |                 |
| 11                    |                 | 29                 |                 |
| 12                    |                 | 30                 |                 |
| 13                    |                 | 31                 |                 |
| 14                    |                 | 32                 |                 |
| 15                    |                 | 33                 |                 |
| 16                    |                 | 34                 |                 |
| 17                    |                 | 35                 |                 |
| 18                    |                 | 36                 |                 |
| 19                    |                 |                    |                 |

|   |                                |  |  |                                      |
|---|--------------------------------|--|--|--------------------------------------|
| REV:<br><b>T15</b>                              | <u>ECR/ECN INFORMATION:</u>    |  | <u>TITLE:</u><br><b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> | <u>SHEET No.</u><br><b>- 33 -</b>    |
|   | <u>EC No.:</u><br>UCP2009-1249 | <u>DATE:</u><br>12/2/2008                      |  |                                      |
| <u>DOCUMENT NUMBER:</u><br><b>SD- 42375-001</b> |                                | <u>CREATED / REVISED BY:</u><br><b>MKIPPER</b> | <u>CHECKED BY:</u><br><b>JBELL</b>   | <u>APPROVED BY:</u><br><b>FSMITH</b> |

ENG. NO: 42375-4236

|                   |                    |
|-------------------|--------------------|
| HEADER NUMBER:    | 42312-0036         |
| PIN NUMBER:       | 42663-CCA118       |
| PIN LENGTH: L     | .670 / 17.02       |
| MATING LENGTH: M  | .440 / 11.18       |
| GOLD POINT: G     | NA                 |
| PC TAIL LENGTH: P | .140 / 3.56        |
| TIN: T            | OVERALL            |
| CKTS:             | 2-36               |
| KINKS:            | SMES-42003         |
| VOIDED CKTS:      | NONE               |
| PACKAGING:        | BULK PK-40873-0041 |

| CKTS | ITEM NUMBER | CKTS | ITEM NUMBER |
|------|-------------|------|-------------|
| 02   |             | 20   |             |
| 03   |             | 21   |             |
| 04   |             | 22   |             |
| 05   |             | 23   |             |
| 06   | 42375-4236  | 24   |             |
| 07   |             | 25   |             |
| 08   |             | 26   |             |
| 09   |             | 27   |             |
| 10   |             | 28   |             |
| 11   |             | 29   |             |
| 12   |             | 30   |             |
| 13   |             | 31   |             |
| 14   |             | 32   |             |
| 15   |             | 33   |             |
| 16   |             | 34   |             |
| 17   |             | 35   |             |
| 18   |             | 36   |             |
| 19   |             |      |             |

|   |  |  |                                      |
|---|--|--|--------------------------------------|
| REV:<br><b>T15</b>                              | <u>ECR/ECN INFORMATION:</u><br>EC No.: <b>UCP2009-1249</b><br>DATE: <b>12/2/2008</b> | <u>TITLE:</u><br><b>KK 100 HEADER ASSY<br/>FLAT VERTICAL<br/>BREAKAWAY</b> | <u>SHEET No.</u><br><b>- 34 -</b>    |
| <u>DOCUMENT NUMBER:</u><br><b>SD- 42375-001</b> | <u>CREATED / REVISED BY:</u><br><b>MKIPPER</b>                                       | <u>CHECKED BY:</u><br><b>JBELL</b>   | <u>APPROVED BY:</u><br><b>FSMITH</b> |