DRG. NO. 1955AAFK232C

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| MACHINING DEVIATIONS FOR LINEAR DIMENSIONS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| ABOVE / UP TO AND INCLUDING | – | 6 | 30 | 120 | 315 | 1000 | 2000 | 4000 | THE REST | — |
| | 6 | 30 | 120 | 315 | 1000 | 2000 | 4000 | – | | |
| VALUE | ±0.1 | ±0.2 | ±0.3 | ±0.5 | ±0.8 | ±1.2 | ±2 | ±3 | | |

| – | 4 | – |
|---|---|---|
| 22A | 3 | YW |
| 25F | 2 | B |
| 13A | 1 | L |
| CKT NO. | PIN NO. | WIRE COLOR |
| CN–2 DETAILS | | |

| 25B | 6 | B |
|---|---|---|
| 8A | 5 | YB |
| 7A | 4 | GR |
| 11A | 3 | GY |
| 10A | 2 | RW |
| – | 1 | – |
| CKT NO. | PIN NO. | WIRE COLOR |
| CN–CHASSIS DETAILS | | |

| 17A | 4 | RG |
|---|---|---|
| 13A | 3 | L |
| 5A | 2 | BW |
| 16A | 1 | Y |
| CKT NO. | PIN NO. | WIRE COLOR |
| CN–KEY SWITCH DETAILS | | |

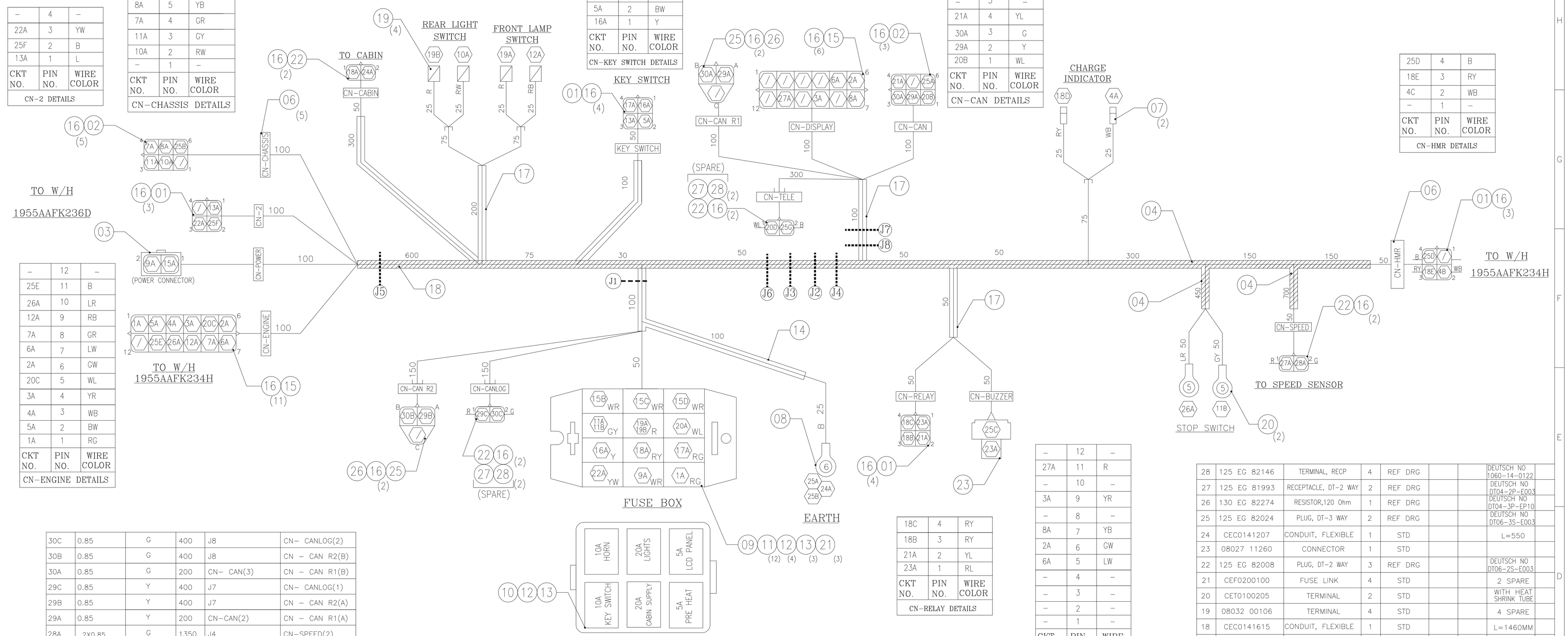
| 25A | 6 | B |
|---|---|---|
| – | 5 | – |
| 21A | 4 | YL |
| 30A | 3 | G |
| 29A | 2 | Y |
| 20B | 1 | WL |
| CKT NO. | PIN NO. | WIRE COLOR |
| CN–CAN DETAILS | | |

| 25D | 4 | B |
|---|---|---|
| 18E | 3 | RY |
| 4C | 2 | WB |
| – | 1 | – |
| CKT NO. | PIN NO. | WIRE COLOR |
| CN–HMR DETAILS | | |

| – | 12 | – |
|---|---|---|
| 25E | 11 | B |
| 26A | 10 | LR |
| 12A | 9 | RB |
| 7A | 8 | GR |
| 6A | 7 | LW |
| 2A | 6 | GW |
| 20C | 5 | WL |
| 3A | 4 | YR |
| 4A | 3 | WB |
| 5A | 2 | BW |
| 1A | 1 | RG |
| CKT NO. | PIN NO. | WIRE COLOR |
| CN–ENGINE DETAILS | | |

| 18C | 4 | RY |
|---|---|---|
| 18B | 3 | RY |
| 21A | 2 | YL |
| 23A | 1 | RL |
| CKT NO. | PIN NO. | WIRE COLOR |
| CN–RELAY DETAILS | | |

| – | 12 | – |
|---|---|---|
| 27A | 11 | R |
| – | 10 | – |
| 3A | 9 | YR |
| – | 8 | – |
| 8A | 7 | YB |
| 2A | 6 | GW |
| 6A | 5 | LW |
| – | 4 | – |
| – | 3 | – |
| – | 2 | – |
| – | 1 | – |
| CKT NO. | PIN NO. | WIRE COLOR |
| CN–DISPLAY DETAILS | | |




| 30C | 0.85 | G | 400 | J8 | CN– CANLOG(2) |
|---|---|---|---|---|---|
| 30B | 0.85 | G | 400 | J8 | CN – CAN R2(B) |
| 30A | 0.85 | G | 200 | CN– CAN(3) | CN – CAN R1(B) |
| 29C | 0.85 | Y | 400 | J7 | CN– CANLOG(1) |
| 29B | 0.85 | Y | 400 | J7 | CN – CAN R2(A) |
| 29A | 0.85 | Y | 200 | CN–CAN(2) | CN – CAN R1(A) |
| 28A | 2X0.85 TWISTED PAIR SHIELDED | G | 1350 | J4 | CN–SPEED(2) |
| 27A | | R | 1500 | CN–SPEED(1) | CN–DISPLAY(11) |
| 26A | 1.0 | LR | 1650 | STOP SWITCH | CN–ENGINE(10) |
| 25G | 0.85 | B | 400 | J4 | CN–TELE(2) |
| 25F | 0.85 | B | 150 | J5 | CN–2(2) |
| 25E | 0.85 | B | 150 | J5 | CN–ENGINE(11) |
| 25D | 0.85 | B | 800 | J4 | CN–HMR(4) |
| 25C | 0.85 | B | 180 | J4 | CN–BUZZER(2) |
| 25B | 2.0 | B | 1050 | EARTH | CN–CHASSIS(6) |
| 25A | 1.25 | B | 475 | EARTH | CN–CAN(6) |
| 24A | 2.0 | B | 700 | CN–CABIN(2) | EARTH |
| 23A | 0.85 | RL | 175 | CN–BUZZER(1) | CN–RELAY(1) |
| 22A | 2.0 | YW | 1350 | CN–2(3) | FUSE BOX |
| 21A | 0.85 | YL | 350 | CN–CAN(4) | CN–RELAY(2) |
| 20D | 0.85 | WL | 400 | J2 | CN–TELE(1) |
| 20C | 0.85 | WL | 850 | J2 | CN–ENGINE(5) |
| 20B | 1.25 | WL | 225 | J2 | CN–CAN(1) |
| 20A | 2.0 | WL | 175 | FUSE BOX | J2 |
| 19B | 2.0 | R | 550 | REAR LIGHT SWITCH | FUSE BOX |
| 19A | 2.0 | R | 550 | FRONT LAMPSWITCH | FUSE BOX |
| 18E | 0.85 | RY | 800 | J6 | CN–HMR(3) |
| 18D | 0.85 | RY | 225 | J6 | CHARGE INDICATOR |
| 18C | 0.85 | RY | 175 | J6 | CN–RELAY(4) |
| 18B | 0.85 | RY | 175 | J6 | CN–RELAY(3) |
| CKT NO | SIZE | COLOUR | LENGTH | FROM | TO |

TABLE–1 (CONTD)

| 18A | 2.0 | RY | 610 | CN–CABIN(1) | FUSE BOX |
|---|---|---|---|---|---|
| 17A | 2.0 | RG | 450 | CN–KEYSW(4) | FUSE BOX |
| 16A | 2.0 | Y | 450 | CN–KEYSW(1) | FUSE BOX |
| 15D | 3.0 | WR | 150 | J1 | FUSE BOX |
| 15C | 3.0 | WR | 150 | J1 | FUSE BOX |
| 15B | 3.0 | WR | 150 | J1 | FUSE BOX |
| 15A | 5.0 | WR | 900 | CN–POWER | J1 |
| 13A | 2.0 | L | 950 | CN–KEYSW(3) | CN–2(1) |
| 12A | 2.0 | RB | 1250 | FRONT LAMPSWITCH | CN–ENGINE(9) |
| 11B | 1.25 | GY | 980 | STOP SWITCH | FUSE BOX |
| 11A | 2.0 | GY | 1350 | FUSE BOX | CN–CHASSIS(3) |
| 10A | 2.0 | RW | 1250 | REAR LIGHT SWITCH | CN–CHASSIS(2) |
| 9A | 5.0 | WR | 1350 | CN–POWER | FUSE BOX |
| 8A | 0.85 | YB | 1100 | CN–DISPLAY(7) | CN–CHASSIS(5) |
| 7A | 1.25 | GR | 250 | CN–ENGINE(8) | CN– CHASSIS(4) |
| 6A | 0.85 | LW | 1100 | CN–ENGINE(7) | CN–DISPLAY(5) |
| 5A | 1.25 | BW | 900 | CN–KEYSW(2) | CN–ENGINE(2) |
| 4B | 0.85 | WB | 780 | J3 | CN–HMR(2) |
| 4A | 0.85 | WB | 1100 | CN–ENGINE(3) | CHARGE INDICATOR |
| 3A | 0.85 | YR | 1100 | CN–ENGINE(4) | CN–DISPLAY(9) |
| 2A | 0.85 | GW | 1100 | CN–ENGINE(6) | CN–DISPLAY(6) |
| 1A | 2.0 | RG | 1350 | CN–ENGINE(1) | FUSE BOX |
| CKT NO | SIZE | COLOUR | LENGTH | FROM | TO |

TABLE–1

JUNCTION DETAILS

| JUNCTION POINT | MAIN CKT | SUB CKT |
|---|---|---|
| J1 | 15A | 15B,15C,15D |
| J2 | 20A | 20B,20C,20D |
| J3 | 4A | 4B |
| J4 | 25A | 25C,25D,28A,25G |
| J5 | 25B | 25E,25F |
| J6 | 18A | 18B,18C,18D,18E |
| J7 | 29A | 29B,29C |
| J8 | 30A | 30B,30C |

| SL NO | DRG/STD NO | DESCRIPTION | QTY | MATERIAL | UNIT WT IN Kg | TOTAL WT IN Kg | REMARKS | LOC |
|---|---|---|---|---|---|---|---|---|
| 28 | 125 EG 82146 | TERMINAL, RECP | 4 | REF DRG | | | DEUTSCH NO 1060-14-0122 | |
| 27 | 125 EG 81993 | RECEPTACLE, DT–2 WAY | 2 | REF DRG | | | DEUTSCH NO DT04–2P–E003 | |
| 26 | 130 EG 82274 | RESISTOR,120 Ohm | 1 | REF DRG | | | DEUTSCH NO DT04–3P–EP10 | |
| 25 | 125 EG 82024 | PLUG, DT–3 WAY | 2 | REF DRG | | | DEUTSCH NO DT06–3S–E003 | |
| 24 | CEC0141207 | CONDUIT, FLEXIBLE | 1 | STD | | | L=550 | |
| 23 | 08027 11260 | CONNECTOR | 1 | STD | | | | |
| 22 | 125 EG 82008 | PLUG, DT–2 WAY | 3 | REF DRG | | | DEUTSCH NO DT06–2S–E003 | |
| 21 | CEF0200100 | FUSE LINK | 4 | STD | | | 2 SPARE | |
| 20 | CET0100205 | TERMINAL | 2 | STD | | | WITH HEAT SHRINK TUBE | |
| 19 | 08032 00106 | TERMINAL | 4 | STD | | | 4 SPARE | |
| 18 | CEC0141615 | CONDUIT, FLEXIBLE | 1 | STD | | | L=1460MM | |
| 17 | C2502 01001 | TUBE | 1 | STD | | | L=950MM | |
| 16 | 125 EG 82138 | TERMINAL, PLUG | 80 | REF DRG | | | DEUTSCH NO 1062–14–0122 | |
| 15 | 125 EG 82105 | PLUG, DT–12 WAY | 2 | REF DRG | | | DEUTSCH NO DT06–12S–E003 | |
| 14 | C250200401 | TUBE | 1 | STD | | | L=900mm | |
| 13 | CEF0200200 | FUSE LINK | 4 | STD | | | 2 SPARE | |
| 12 | CEF0200050 | FUSE LINK | 4 | STD | | | 2 SPARE | |
| 11 | 125 EG 91745 | FUSE TERMINAL | 12 | BRASS | | | | |
| 10 | 105 EG 81058 | FUSE BOX COVER | 1 | REF DRG | | | | |
| 09 | 105 EG 81041 | FUSE BOX, 6WAY | 1 | REF DRG | | | | |
| 08 | CET01 10306 | TERMINAL | 1 | STD | | | | |
| 07 | 0802204001 | CONNECTOR | 2 | STD | | | | |
| 06 | 125 EG 71843 | ROUTING TAG | 16 | NYLON–6 | | | | |
| 05 | 070801020100 | TAPE, ADHESIVE | 1 | STD | | | | |
| 04 | CEC0140614 | CONDUIT, FLEXIBLE | 1 | STD | | | | |
| 03 | 125 EG 82202 | POWER CONNECTOR, 2PM | 1 | REF DRG | | | SUMITOMO NO M(6188–0096) | |
| 02 | 125 EG 82065 | PLUG, DT–6 WAY | 2 | REF DRG | | | DEUTSCH NO DT06–6S–E003 | |
| 01 | 125 EG 82049 | PLUG, DT–4 WAY | 4 | REF DRG | | | DEUTSCH NO DT06–4S–E003 | |

NEXT ASSY. 1923AAFK108A

| | | | | | |
|---|---|---|---|---|---|
| 11600856 | AMEND NO. | | SIGNATURE | DATE | |
| DRA/ECN | NAME | | | | |
| APPROVED | NAVEEN | | | | |
| REVIEWED | SURYA | | | | |
| CHECKED | RK HEGDE | | | | |
| DRAWN | GANESH REDDY K | | | | |
| STDS. | NAVEEN | | | | |

PRODUCT BD80 — DESIGN REF.

| USED ON | QTY |
|---|---|
| BD80 | 1 |

MATL: REF DRG
H.T. --
S.T. --
Wt. in kg --
SCALE NTS

TITLE: WIRE HARNESS, PANEL
SHEET NO. 1
NO. OF SHEETS 1

BEML LIMITED
K G F
EM Dn
DRG. NO. 1955AAFK232C

1955AAFK232C