



DANGER

Danger of electrical shock, burns or death. Always remove all power sources before attempting any repair, service or diagnostic work. Power can be present from shore power, generator, inverter or battery. All power sources must be disabled and secured before performing any service.



CAUTION

If you lack the skills, tools or equipment to perform diagnostic or repair work leave such work to an authorized Winnebago Industries dealer or other qualified shop.

| 8 | 7 | 6 | 5 | 4 | 3 | 2 |
|-------------|-------------|--------|---|---|---|---|
| DRAWING NO. | FEATURES | SHEETS | | | | |
| 157187-01 | 1PJ 1PL 1PN | 1,2,4 | | | | |
| 157187-02 | 16H 16M | 1,3,4 | | | | |

RELEASE REV DATE A
 REV ZONE REVISION RECORD DATE DFR-ORIG
 DWG NO 157187

D-SERIES

| | | D26P | D29R | D30B | D33T | D34A | D35J |
|-----------------------------------|---------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| CABLE ASM-CHASSIS GND EXT (BLK) | 16H 16M | N/A | 133566-12-032 | 133566-12-019 | 133566-12-028 | 133566-12-012 | 133566-12-016 |
| CABLE ASM-CHASSIS POWER EXT (RED) | 16H 16M | N/A | 141415-32-034 | 141415-32-018 | 141415-32-030 | 141415-32-014 | 141415-32-017 |
| CABLE ASM-CHASSIS BATTERY (RED) | 16H 16M | N/A | 141415-32-007 | 141415-32-007 | 141415-32-007 | 141415-32-007 | 141415-32-007 |
| CABLE ASM-STARTER (RED) | 1PJ 1PL 1PN | 141415-35-025 | 141415-35-034 | 141415-35-024 | 141415-35-035 | 141415-35-017 | 141415-35-023 |
| CABLE ASM-COACH BATTERY (YEL) | 16H 16M 1PJ 1PL 1PN | 141416-52-016 | 141416-52-032 | 141416-52-011 | 141416-52-025 | 141416-52-015 | 141416-52-011 |
| CABLE ASM-COACH BATTERY GND (BLK) | 16H 16M 1PJ 1PL 1PN | 133567-12-008 | 133567-12-008 | 133567-12-008 | 133567-12-008 | 133567-12-008 | 133567-12-008 |
| CABLE ASM-CHASSIS BATTERY (PUR) | 16H 16M 1PJ 1PL 1PN | 141415-12-015 | 141415-12-026 | 141415-12-008 | 141415-12-018 | 141415-12-015 | 141415-12-008 |
| CABLE ASM-GENERATOR (GRN) | 16H 16M 1PJ 1PL 1PN | 141415-42-072 | 141415-42-083 | 141415-42-082 | 141415-42-092 | 141415-42-092 | 141415-42-097 |
| CABLE ASM-GENERATOR GND (BLK) | 16H 16M 1PJ 1PL 1PN | 133566-12-008 | 133566-12-008 | 133566-12-008 | ----- | ----- | ----- |
| LEVELING SYSTEM POWER CABLE (BLU) | 60M | 141415-22-037 | 141415-22-049 | 141415-22-037 | 141415-22-043 | 141415-22-029 | 141415-22-040 |
| LEVELING SYSTEM GND CABLE (BLK) | 60M | 133566-11-008 | 133566-11-008 | 133566-11-008 | 133566-11-008 | 133566-11-008 | 133566-11-008 |

E-SERIES

| | | E30B | E33T |
|-----------------------------------|-------------|---------------|---------------|
| CABLE ASM-CHASSIS GND EXT (BLK) | 16H 16M | 133566-12-019 | 133566-12-028 |
| CABLE ASM-CHASSIS POWER EXT (RED) | 16H 16M | 141415-32-018 | 141415-32-030 |
| CABLE ASM-CHASSIS BATTERY (RED) | 16H 16M | 141415-32-007 | 141415-32-007 |
| CABLE ASM-STARTER (RED) | 1PL | ----- | 141415-35-035 |
| CABLE ASM-COACH BATTERY (YEL) | 16H 16M 1PL | 141416-52-011 | 141416-52-025 |
| CABLE ASM-COACH BATTERY GND (BLK) | 16H 16M 1PL | 133567-12-008 | 133567-12-008 |
| CABLE ASM-CHASSIS BATTERY (PUR) | 16H 16M 1PL | 141415-12-008 | 141415-12-018 |
| CABLE ASM-GENERATOR (GRN) | 16H 16M 1PL | 141415-42-082 | 141415-42-092 |
| CABLE ASM-GENERATOR GND (BLK) | 16H 16M 1PL | 133566-12-008 | ----- |
| LEVELING SYSTEM POWER CABLE (BLU) | 64H | 141415-22-037 | 141415-22-043 |
| LEVELING SYSTEM GND CABLE (BLK) | 64H | 133566-11-008 | 133566-11-008 |

- 64H HYDRAULIC LEVELING JACKS
- 60M HYDRAULIC LEVEL JACKS-AUTO
- 1PN WORKHORSE 20,700#
- 1PL WORKHORSE 18,000# GVWR (W18)
- 1PJ WORKHORSE 16,000# GVWR (W16)
- 16M FORD CHASSIS 20,500#/V10 ENG
- 16H FORD CHASSIS 18,000#/V10 ENG
- 265 CODES/STANDARDS-CSA/CMVSS
- 1B1 CODES/STANDARDS USA

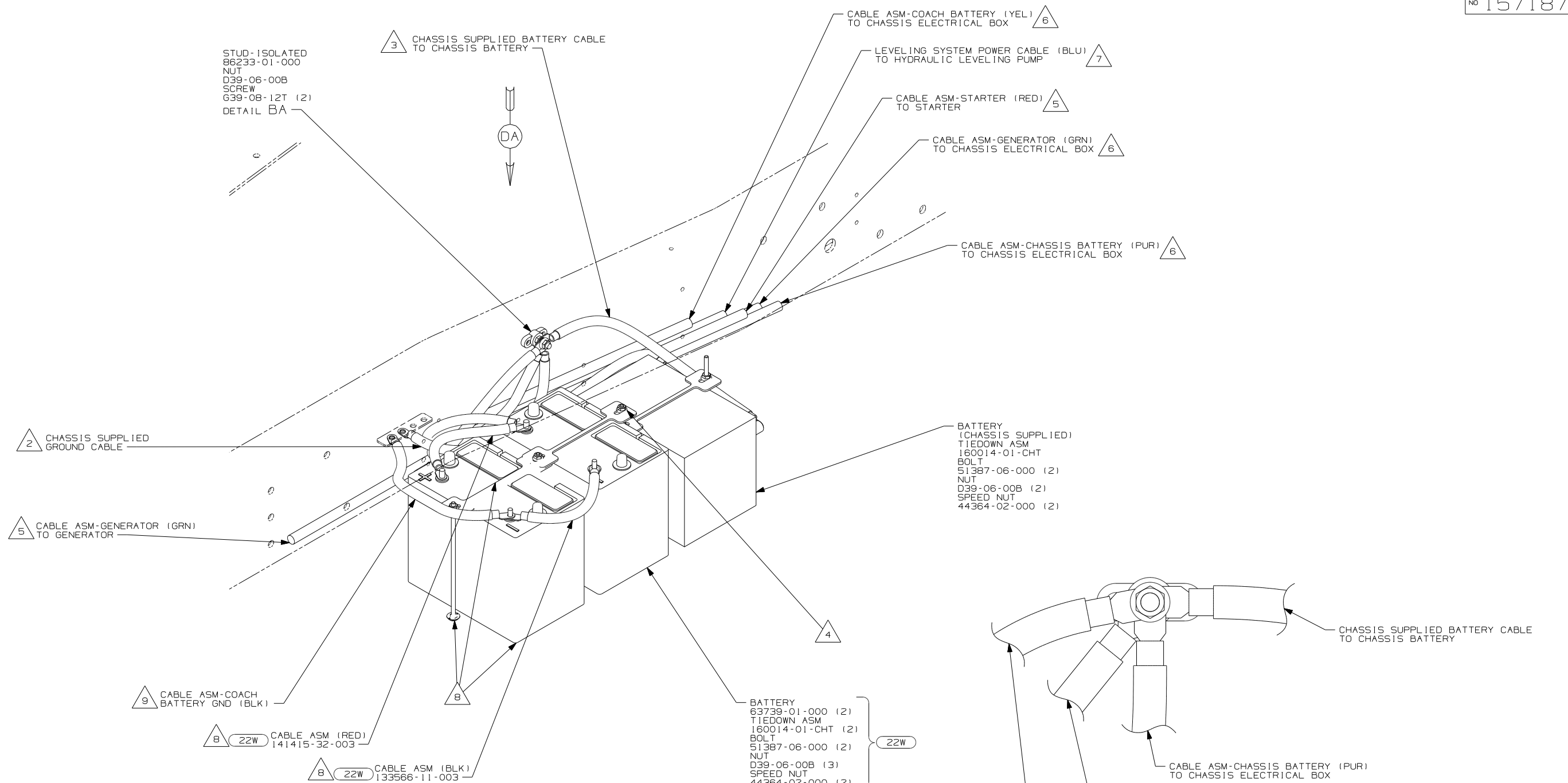
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| | |
|-----------------------------|-----------------------------------|
| DFTR | ORIG. DATE |
| CHKR | ALL DIMENSIONS ARE IN MILLIMETERS |
| P.E. | |
| M.E. | FIRST USED |
| DSNR | 07 D & E-SERIES |
| UNSPECIFIED TOLERANCES ARE: | MATERIAL: |
| HOLE DIM (X) | : 3 |
| ONE-PLACE (X.X) | : 1.5 |
| TWO-PLACE (X.XX) | : 0.50 |
| ANGLE | : 1° |
| THIRD ANGLE PROJECTION | |
| DO NOT SCALE DRAWING | |
| TITLE: BATTERY INSTL | |
| SHEET 1 of 4 | PART NO 157187 REV |
| REF: | 1 5/15/2007 |

1 BATTERY CABLES MUST BE INSTALLED TO STARTER MOTOR BEFORE ENGINE WIRING HARNESS AND ROUTED IN SUCH A MANNER AS TO PREVENT ANY POSSIBLE DEGRADATION FROM THE EXHAUST SYSTEM.

FOR ELECTRICAL TORQUE SPECIFICATIONS SEE DWG NO. 128783-01-000

FOR ELECTRICAL CALLOUTS SEE DWG NO. 121339-01-000



- 9 CONNECTS TO CENTER BATTERY WITH 12X
- 8 NOT USED WITH 12X
- 7 SEE LEVELING SYSTEM INSTL FOR ADDITIONAL INFORMATION.
- 6 SEE CHASSIS ELECTRICAL BOX ASM FOR ADDITIONAL INFORMATION.
- 5 SEE WIRING INSTL-CHASSIS FOR ADDITIONAL INFORMATION.
- 4 USE TWO NUTS HERE TO ACCOUNT FOR BATTERY HEIGHT DIFFERENCE.
- 3 LOCATE CHASSIS SUPPLIED POSITIVE CABLE, REDUCE LENGTH TO 700MM AND ADD TERMINAL 68070-01-000 TO THE CUT END.
- 2 LOCATE CHASSIS SUPPLIED GROUND CABLE, REDUCE LENGTH TO 700MM AND ADD TERMINAL 8348-01-000 TO THE CUT END.
- 1 SUPPLIED WITH CHASSIS.

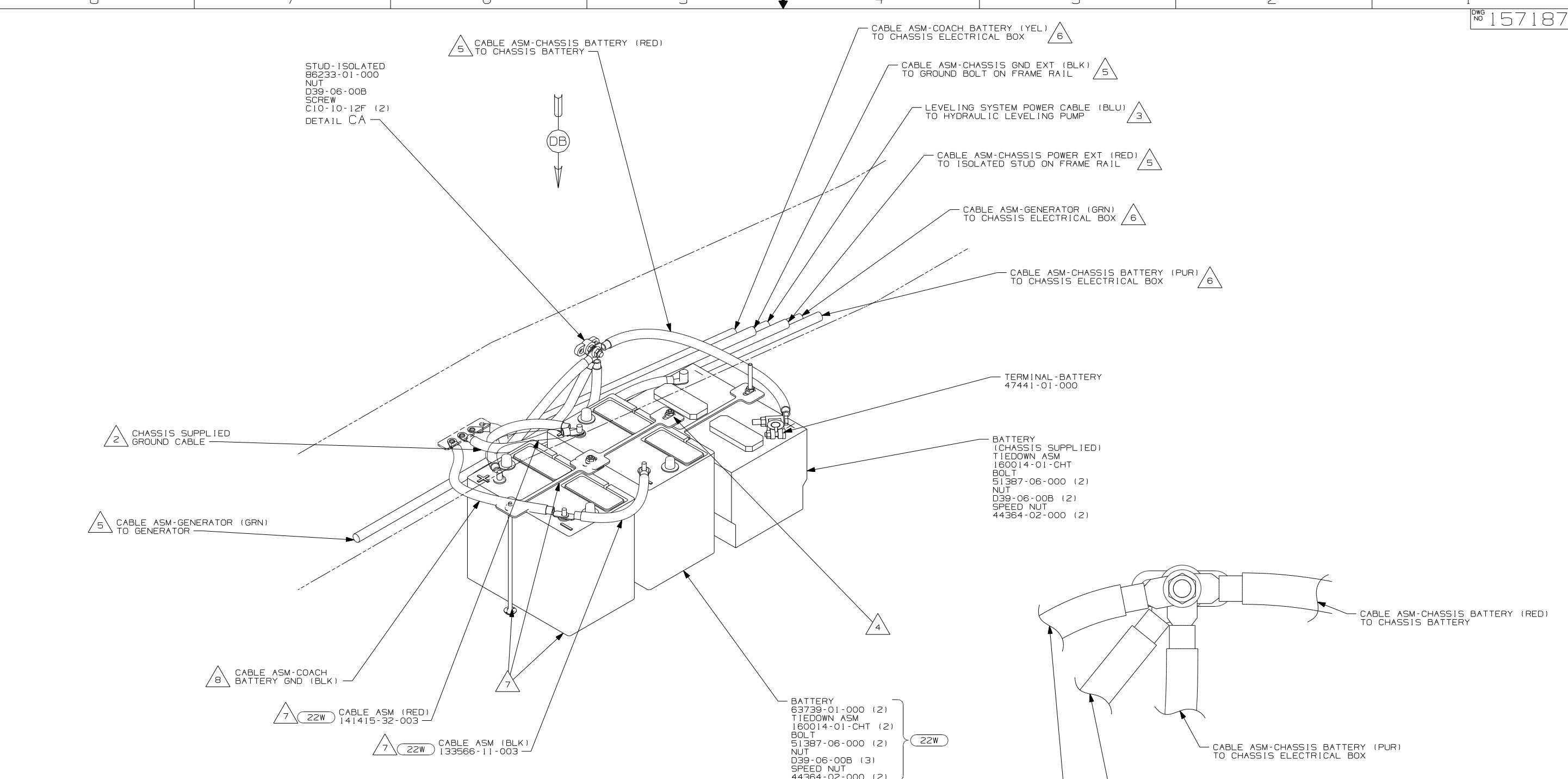
NOTES:

- 22W BATTERY-SECOND
- 12X BATTERY-ONE
- 265 CODES/STANDARDS-CSA/CMVSS
- 1B1 CODES/STANDARDS USA

| | |
|----------------------|--------------------|
| FIRST USED | |
| 07 D & E-SERIES | |
| DO NOT SCALE DRAWING | |
| TITLE: BATTERY INSTL | |
| SHEET 2 | PART NO 157187 REV |

FOR ELECTRICAL TORQUE SPECIFICATIONS SEE DWG NO. 128783-01-000

X-X
FOR ELECTRICAL CALLOUTS SEE DWG NO. 121339-01-000

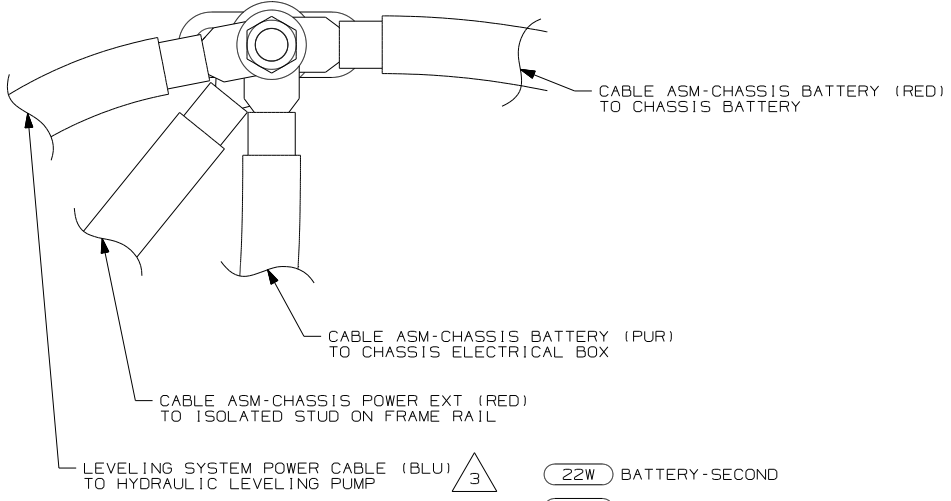


- 8 CONNECTS TO CENTER BATTERY WITH 12X
- 7 NOT USED WITH 12X
- 6 SEE CHASSIS ELECTRICAL BOX ASM FOR ADDITIONAL INFORMATION.
- 5 SEE WIRING INSTL-CHASSIS FOR ADDITIONAL INFORMATION.
- 4 USE TWO NUTS HERE TO ACCOUNT FOR BATTERY HEIGHT DIFFERENCE.
- 3 SEE LEVELING SYSTEM INSTL FOR ADDITIONAL INFORMATION.
- 2 LOCATE CHASSIS SUPPLIED GROUND CABLE, REDUCE LENGTH TO 700MM AND ADD TERMINAL 8348-01-000 TO THE CUT END.
- 1 SUPPLIED WITH CHASSIS.

NOTES:

BATTERY BOX (FORD)

BATTERY 63739-01-000 (2)
 TIEDOWN ASM 160014-01-CHT (2)
 BOLT 51387-06-000 (2) 22W
 NUT D39-06-00B (3)
 SPEED NUT 44364-02-000 (2)
 BATTERY 63739-01-000
 TIEDOWN ASM 160014-01-000
 BOLT 51387-06-000 12X
 NUT D39-06-00B (2)
 SPEED NUT 44364-02-000



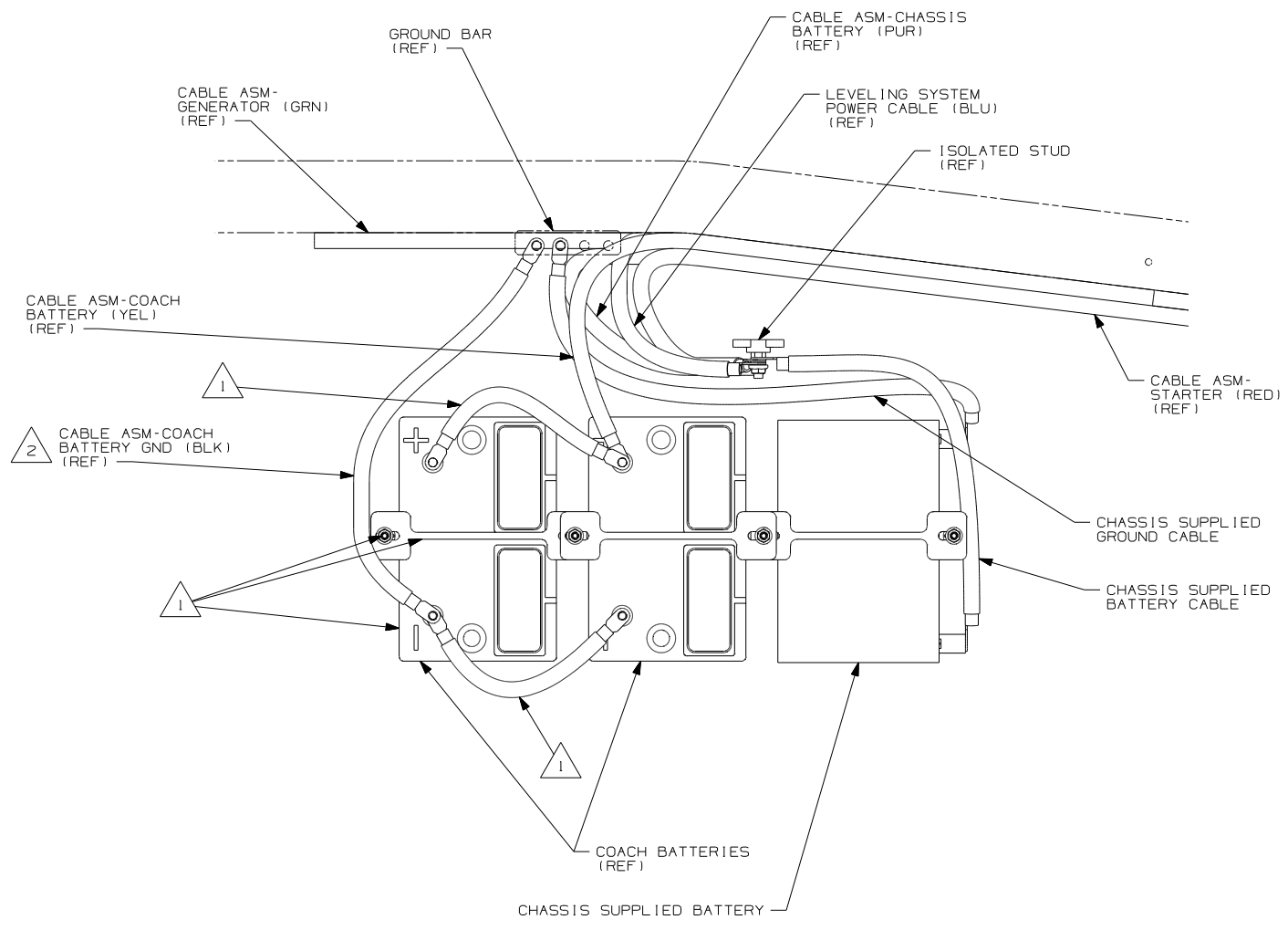
DETAIL CA

22W BATTERY-SECOND
 12X BATTERY-ONE
 265 CODES/STANDARDS-CSA/CMVSS
 1B1 CODES/STANDARDS USA

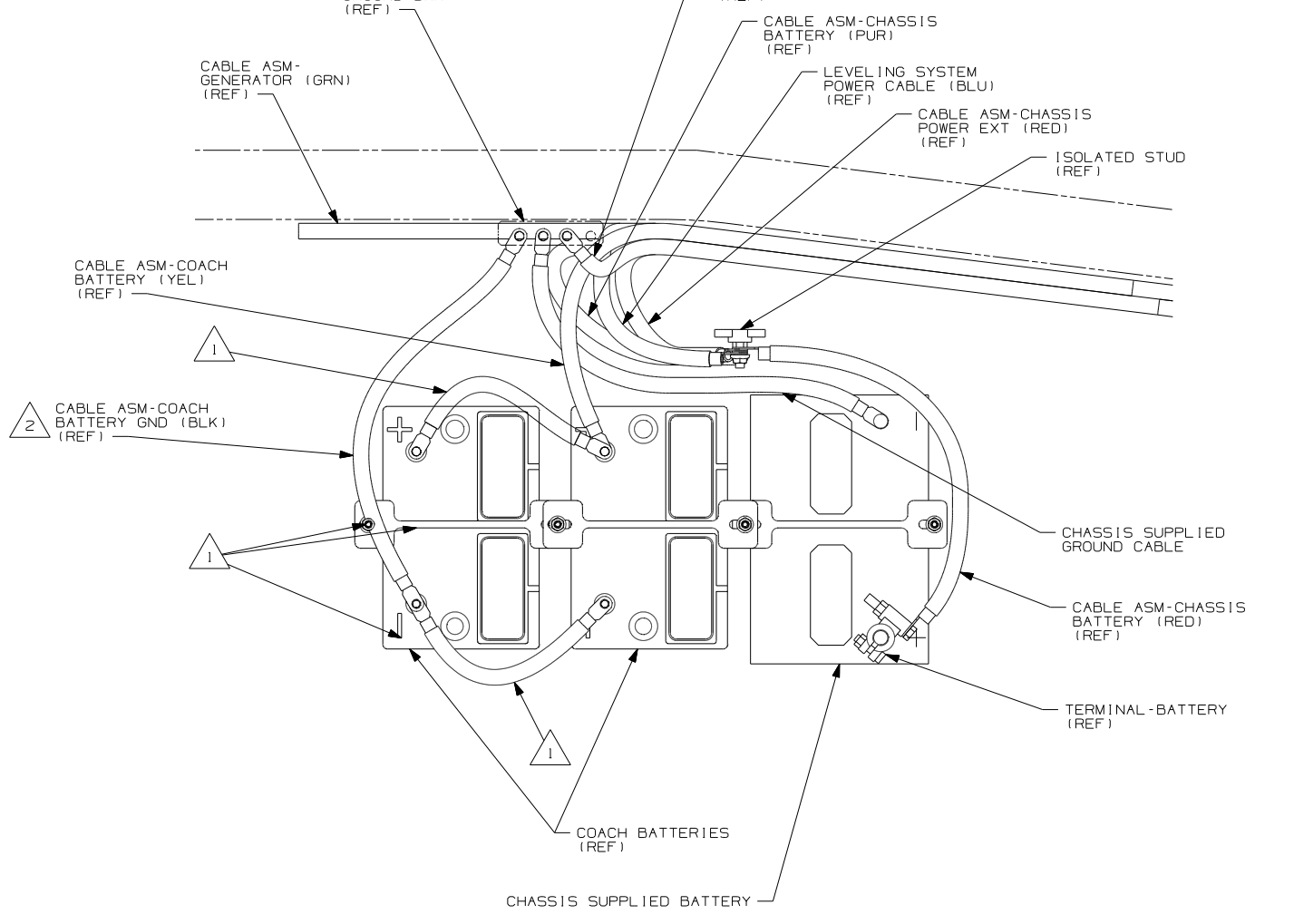
FOR ELECTRICAL TORQUE SPECIFICATIONS SEE DWG NO. 128783-01-000

(X-X) FOR ELECTRICAL CALLOUTS SEE DWG NO. 121339-01-000

| | |
|----------------------|--------------------|
| FIRST USED | |
| 07 D & E-SERIES | |
| DO NOT SCALE DRAWING | |
| TITLE: | BATTERY INSTL |
| SHEET 3 | PART NO 157187 REV |



VIEW DA
(WORKHORSE)



VIEW DB
(FORD)

- NOTES:
- 2 CONNECTS TO CENTER BATTERY WITH 12X
 - 1 NOT USED WITH 12X

FOR ELECTRICAL TORQUE SPECIFICATIONS SEE DWG NO. 128783-01-000

FOR ELECTRICAL CALLOUTS SEE DWG NO. 121339-01-000

- 12X BATTERY-ONE
- 265 CODES/STANDARDS-CSA/CMVSS
- 1B1 CODES/STANDARDS USA

| | |
|----------------------|--------------------|
| 1B1 265 | |
| FIRST USED | |
| 07 D & E-SERIES | |
| DO NOT SCALE DRAWING | |
| TITLE: BATTERY INSTL | |
| SHEET 4 | PART NO 157187 REV |