

Cooling Assembly

## Cooling Assembly

| Item | Part No.      | Qty | Description                        | Item | Part No.      | Qty      | Description                  |
|------|---------------|-----|------------------------------------|------|---------------|----------|------------------------------|
|      | <b>602106</b> |     | <b>Cooling Assembly</b>            |      |               |          |                              |
| 1    | 601068        | 1   | . Cooling Box                      | 66   | 231251        | 2        | . Clamp                      |
| 2    | * 601063      | 1   | . Cooling Package, RAD/TOC/BOC/CAC | 67   | 231296        | 2        | . Clamp                      |
| 3    | * 601064      | 1   | . Cooling Package, COND/FOC        | 68   | CLP0100112    | 2        | . Clamp, Hydra-Zorb          |
| 4    | 601065        | 1   | . Cooling Package, HOC             | 69   | 231248        | 2        | . Clamp                      |
| 5    | 601066        | 1   | . Surge Tank                       | 70   | CLP0100200    | 2        | . Clamp                      |
|      | 259702        | 1   | . Sight Glass                      | 72   | R13811016     | 3        | . Capscrew                   |
|      | 599410        | 1   | . Pressure Cap                     | 73   | 162572W       | 9        | . Capscrew                   |
| 6    | 601067        | 1   | . Fan Guard                        | 74   | Y17C-0616     | 15       | . Capscrew                   |
| 7    | * 601865      | 1   | . Motor W/ Valve                   | 75   | 221499W       | 6        | . Capscrew                   |
| 8    | * 601265      | 1   | . Fan, Sucker                      | 76   | Y17C-0624     | 20       | . Capscrew                   |
| 9    | 601266        | 1   | . Fan Door                         | 77   | R13811039     | 24       | . Capscrew                   |
| 10   | 601267        | 2   | . Hinge                            | 78   | 230776        | 6        | . Capscrew                   |
| 11   | 594987        | 1   | . Latch, RH Rotary                 | 79   | 131137W       | 2        | . Capscrew                   |
| 12   | 594992        | 1   | . Striker                          | 80   | 221569W       | 8        | . Capscrew                   |
| 13   | 601979        | 1   | . Gas Spring                       | 81   | 233853        | 12       | . Capscrew                   |
| 14   | 601269        | 1   | . Baffle                           | 82   | 248986        | 2        | . Capscrew                   |
| 15   | 598545        | 1   | . Pad, Support                     | 83   | 293714W       | 2        | . Capscrew                   |
| 16   | 599726        | 2   | . Tube, CAC                        | 84   | R13802914     | 3        | . Washer                     |
| 17   | 243488        | 4   | . Connector                        | 85   | 221767W       | 70       | . Washer                     |
| 18   | 605384        | 8   | . Clamp                            | 86   | R13811432     | 1        | . Washer                     |
| 19   | 601270        | 1   | . Intake Screen                    | 87   | 221771W       | 24       | . Washer                     |
| 20   | 601271        | 1   | . Plate, Access Cover              | 88   | 221773W       | 24       | . Washer                     |
| 21   | 601272        | 1   | . Plate, Mount                     | 89   | 221777W       | 4        | . Washer                     |
| 22   | 600306        | 1   | . Head Assembly, Filter            | 90   | 237578        | 44       | . Washer, Fender             |
| 23   | 247429        | 1   | . Element, Filter                  | 91   | R1929619      | 88       | . Washer, Rubber             |
| 24   | 225369        | 4   | . T-Bolt Clamp                     | 92   | 296422W       | 4        | . Washer                     |
| 25   | 218642        | 2   | . T-Bolt Clamp                     | 93   | R13811190     | 3        | . Locknut                    |
| 26   | CLP7051171    | 2   | . Mini Worm Drive Clamp            | 94   | 221705W       | 2        | . Hex Nut                    |
| 27   | 601863        | 1   | . Plate, Baffle                    | 96   | R13805167     | 2        | . Locknut                    |
| 28   | 601281        | 1   | . Plate, Gas Spring Mount          | 97   | R13806770     | 1        | . Hex Nut                    |
| 29   | 604980        | 1   | . Shim, Pad Support                | 98   | 223587        | 10       | . Locknut                    |
| 30   | 595701        | 2   | . Fitting                          | 99   | R13811194     | 12       | . Locknut                    |
| 31   | 595783        | 2   | . Fitting                          | 100  | 302402W       | 2        | . Locknut                    |
| 32   | 509197        | 2   | . Fitting                          | 101  | 251400        | 2        | . Hex Nut                    |
| 33   | 231444        | 1   | . Fitting                          | 102  | 302405W       | 2        | . Locknut                    |
| 34   | 231443        | 1   | . Fitting                          | 103  | 246037        | 1 Bottle | . Threadlock                 |
| 35   | R833112       | 1   | . Fitting                          | 104  | 595198-12     | 2        | . Silicone, Rubber           |
| 36   | R834655       | 2   | . Fitting                          | 105  | 601795        | 44       | . Spacer, Isolator           |
| 37   | 598621        | 2   | . Fitting                          | 107  | 598517-144    | 2        | . Trim, Hatch Seal           |
| 38   | 598178        | 2   | . Fitting                          | 108  | 200454W       | 2        | . Capscrew                   |
| 39   | R833270       | 3   | . Fitting                          | 109  | 602712        | 1        | . Fitting                    |
| 40   | R833276       | 2   | . Fitting                          | 110  | 603664        | 2        | . Rotary Push-To-Close Latch |
| 41   | 2305620W      | 3   | . Fitting                          | 111  | R13811040     | 2        | . Capscrew                   |
| 42   | 2514292       | 2   | . Fitting                          | 112  | 302399W       | 8        | . Locknut                    |
| 43   | 589536        | 1   | . Ball Valve                       | 113  | 237567        | 32       | . Locknut                    |
| 44   | 22293         | 1   | . Fitting                          | 114  | 235708        | 2        | . Jam Nut                    |
| 45   | 243248        | 1   | . Fitting                          | 115  | R14040        | 1        | . Coupler, Male              |
| 46   | 16373         | 1   | . Fitting                          | 117  | 600238        | 1        | . Sensor, Coolant Level      |
| 47   | 209758        | 2   | . Fitting                          | 118  | 604296        | 1        | . Paddle Actuator            |
| 48   | R834653       | 1   | . Fitting                          | 119  | -----         | 0        | . Not Used                   |
| 49   | 241846        | 1   | . Fitting, Bulkhead                | 120  | -----         | 0        | . Not Used                   |
| 50   | 203274        | 1   | . Shutoff Valve                    | 121  | -----         | 0        | . Not Used                   |
| 51   | 209501        | 1   | . Fitting                          | 122  | -----         | 0        | . Not Used                   |
| 52   | R12600119     | 2   | . Fitting                          | 123  | -----         | 0        | . Not Used                   |
| 53   | 231463        | 1   | . Fitting                          | 124  | -----         | 0        | . Not Used                   |
| 54   | 23543         | 2   | . Fitting                          | 125  | -----         | 0        | . Not Used                   |
| 55   | 209406        | 4   | . Fitting                          | 126  | -----         | 0        | . Not Used                   |
| 56   | R834703       | 1   | . Fitting                          | 127  | Y73G-(1024)12 | 4        | . Capscrew                   |
| 57   | R833805       | 1   | . Fitting                          | 128  | -----         | 0        | . Not Used                   |
| 58   | 209512        | 2   | . Fitting                          | 129  | -----         | 0        | . Not Used                   |
| 59   | 245762        | 1   | . Plug, Metric                     | 130  | Y35E-#10      | 8        | . Washer                     |
| 60   | 209423        | 2   | . Fitting                          | 131  | WCT0000187    | 1        | . Washer                     |
| 61   | R13803034     | 2   | . Clip, Insulated                  | 132  | -----         | 0        | . Not Used                   |
| 62   | 209588        | 2   | . Clip, Insulated                  | 133  | R13809543     | 4        | . Locknut                    |
| 63   | 231660        | 4'  | . Wire Rope                        | 134  | 00103373      | 1        | . Cotter Pin                 |
| 64   | 231658        | 2   | . Clip, Cable                      |      |               |          |                              |
| 65   | 598517-205    | 1   | . Trim, Hatch Seal                 |      |               |          |                              |

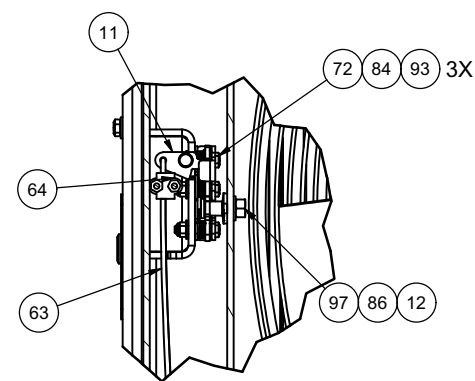
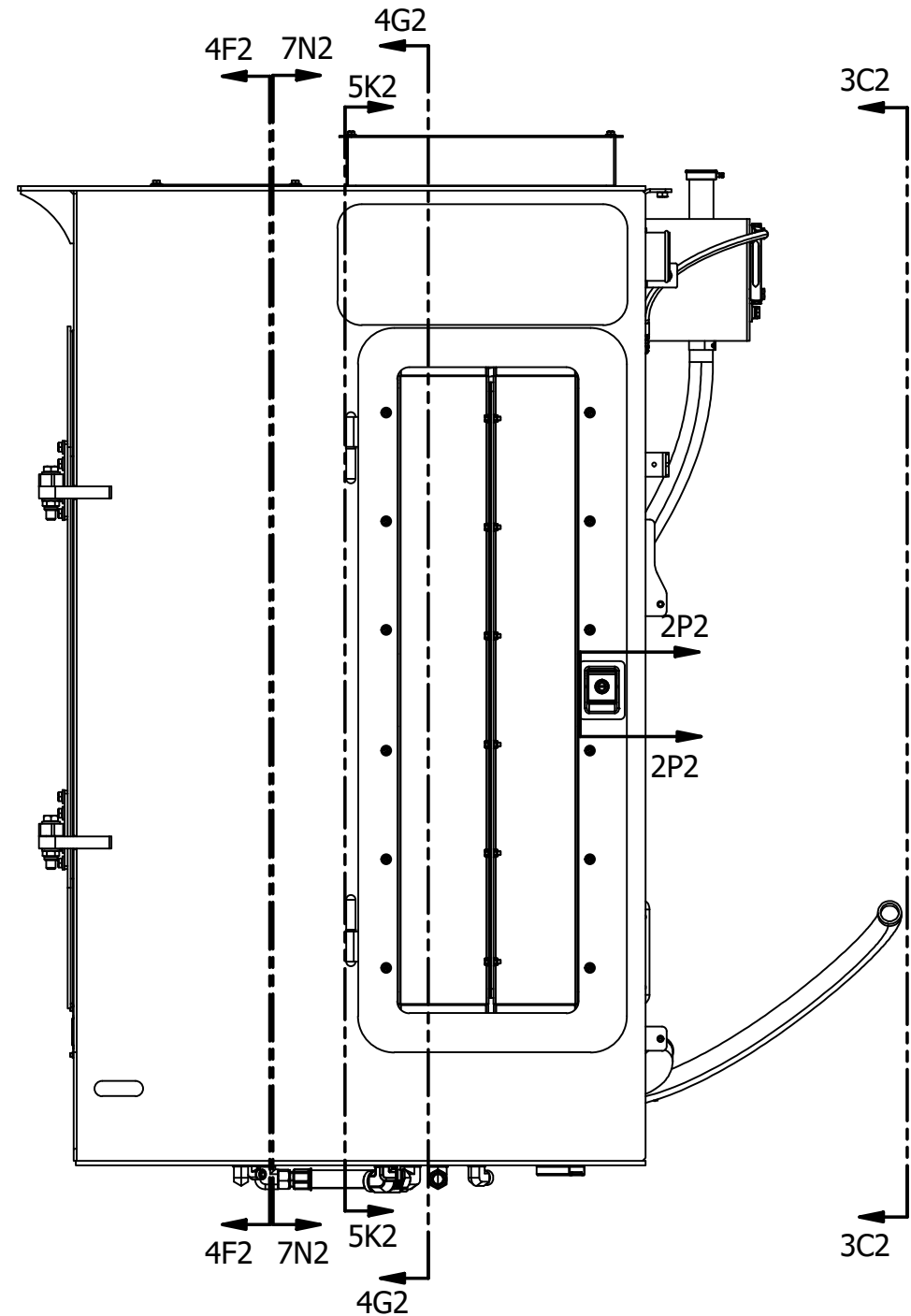
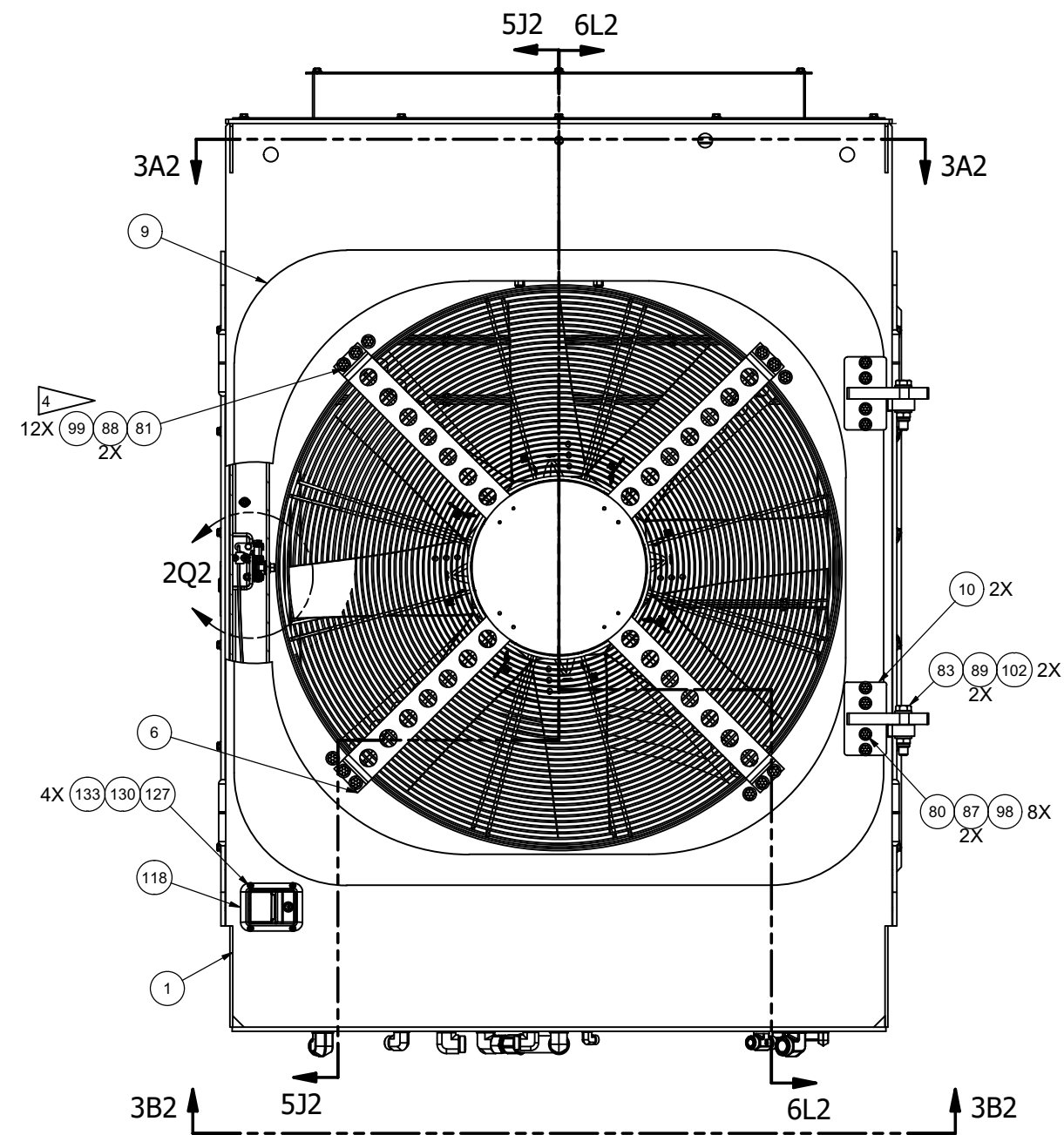
## Cooling Assembly

| Item   | Part No.  | Qty | Description            | Item | Part No. | Qty | Description |
|--------|-----------|-----|------------------------|------|----------|-----|-------------|
| 199    | 602711    | 1   | . Kit, Hose            |      |          |     |             |
| 199.1  | 211791-19 | 2   | .. Hose, Radiator      |      |          |     |             |
| 199.2  | 259106-46 | 1   | .. Hose, #8 (Aeroquip) |      |          |     |             |
| 199.3  | 259106-85 | 1   | .. Hose, #8            |      |          |     |             |
| 199.4  | 592605-19 | 1   | .. Hose, Coolant       |      |          |     |             |
| 199.5  | 224766-88 | 1   | .. Hose, Coolant       |      |          |     |             |
| 199.6  | 601182    | 2   | .. Hose Assembly       |      |          |     |             |
| 199.7  | 595184    | 2   | .. Hose Assembly       |      |          |     |             |
| 199.8  | 595182    | 1   | .. Hose Assembly       |      |          |     |             |
| 199.9  | 598251    | 1   | .. Hose Assembly, Fuel |      |          |     |             |
| 199.10 | 601273    | 1   | .. Hose Assembly, Fuel |      |          |     |             |
| 199.11 | 592079    | 1   | .. Hose Assembly, Fuel |      |          |     |             |
| 199.12 | 602170    | 1   | .. Hose Assembly       |      |          |     |             |
| 199.13 | 598619    | 1   | .. Hose Assembly       |      |          |     |             |
| 199.14 | R12216    | 1   | .. Hose Assembly       |      |          |     |             |
| 199.15 | 601275    | 1   | .. Hose Assembly       |      |          |     |             |
| 199.16 | 596782    | 1   | .. Hose Assembly       |      |          |     |             |
| 199.17 | 601276    | 1   | .. Hose Assembly       |      |          |     |             |
| 199.18 | 210719    | 2   | .. Hose Assembly       |      |          |     |             |
| 199.19 | 207851    | 2   | .. Hose Assembly       |      |          |     |             |

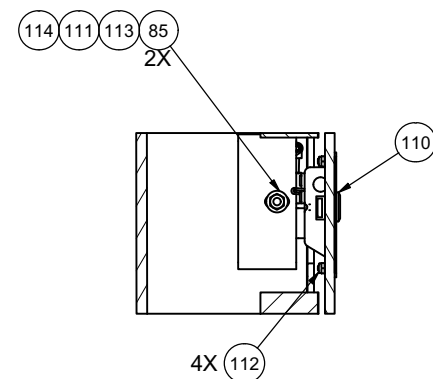
\* See Separate Coverage

### NOTES:

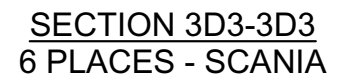
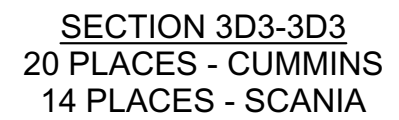
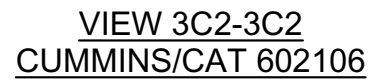
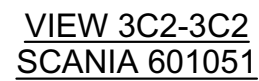
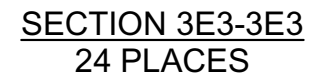
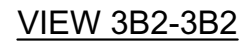
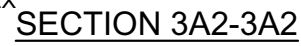
- 1 TORQUE FAN ATTACHMENT HARDWARE (ITEM 101) TO 60-65 FT-LBS.
- 2 USE BLUE LOCTITE (ITEM 103) WHEN TIGHTENING HARDWARE FOR INSTALLING COOLING PACKAGE ASSEMBLY (ITEM 2).
- 3 USE AS MUCH AS POSSIBLE TO ELIMINATE THE DOOR RATTLING YET ALLOW THE DOOR TO SHUT
- 4 ORIENTATE EXTERNAL FAN GUARD SQUARE TO THE FRAME, OFFSET INTERNAL FAN GUARD

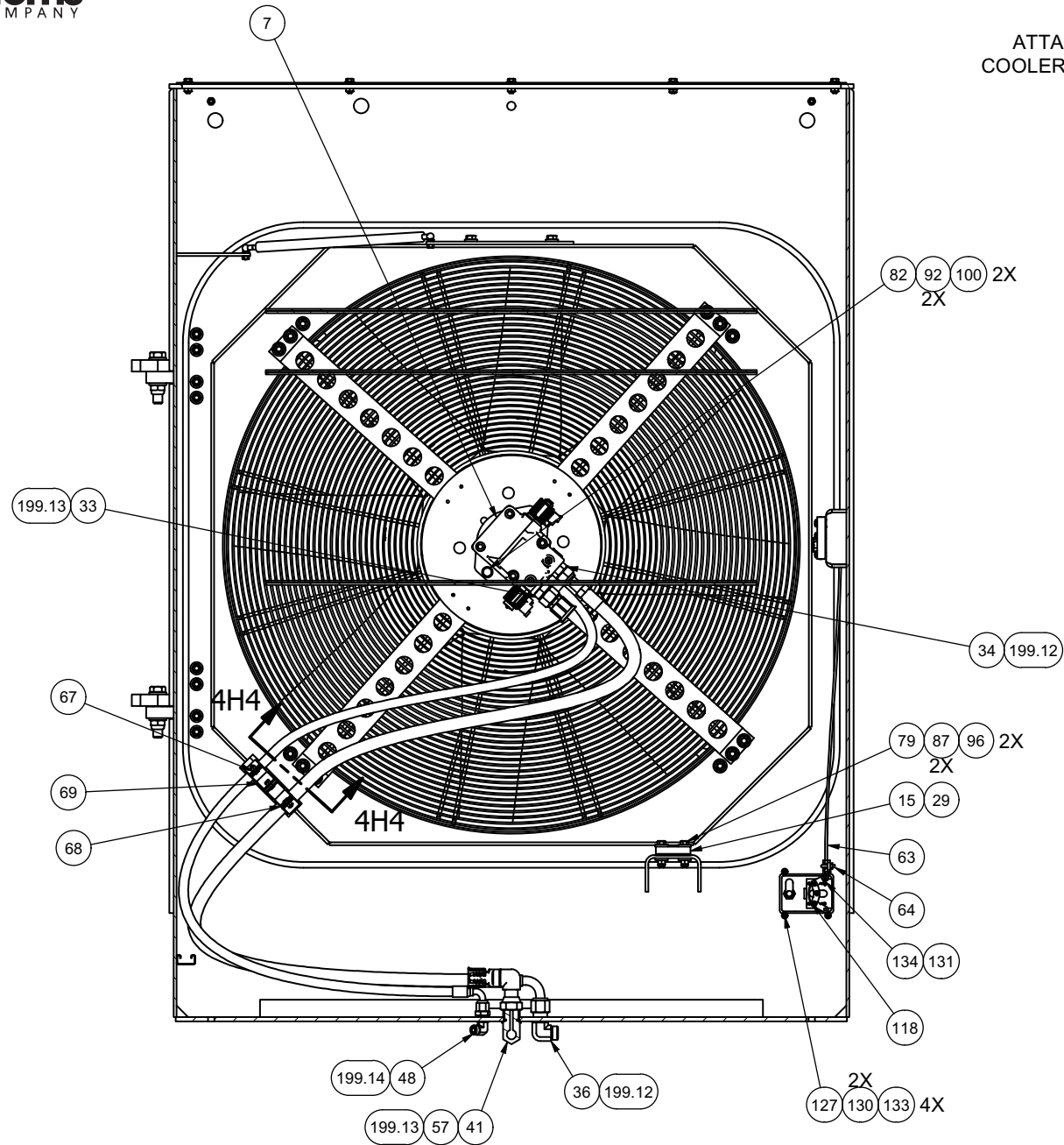


**DETAIL 2Q2**

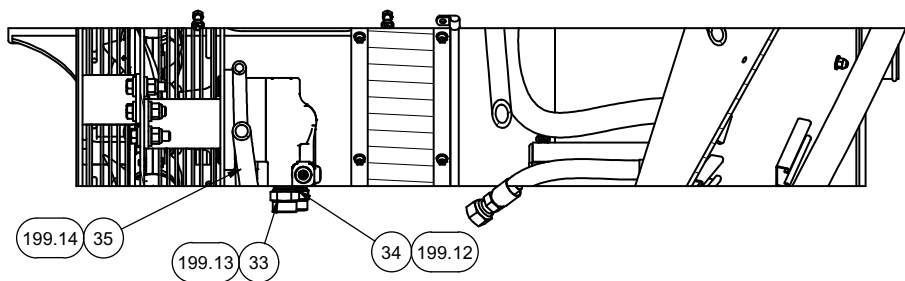


**SECTION 2P2-2P2**  
**2PLCS**



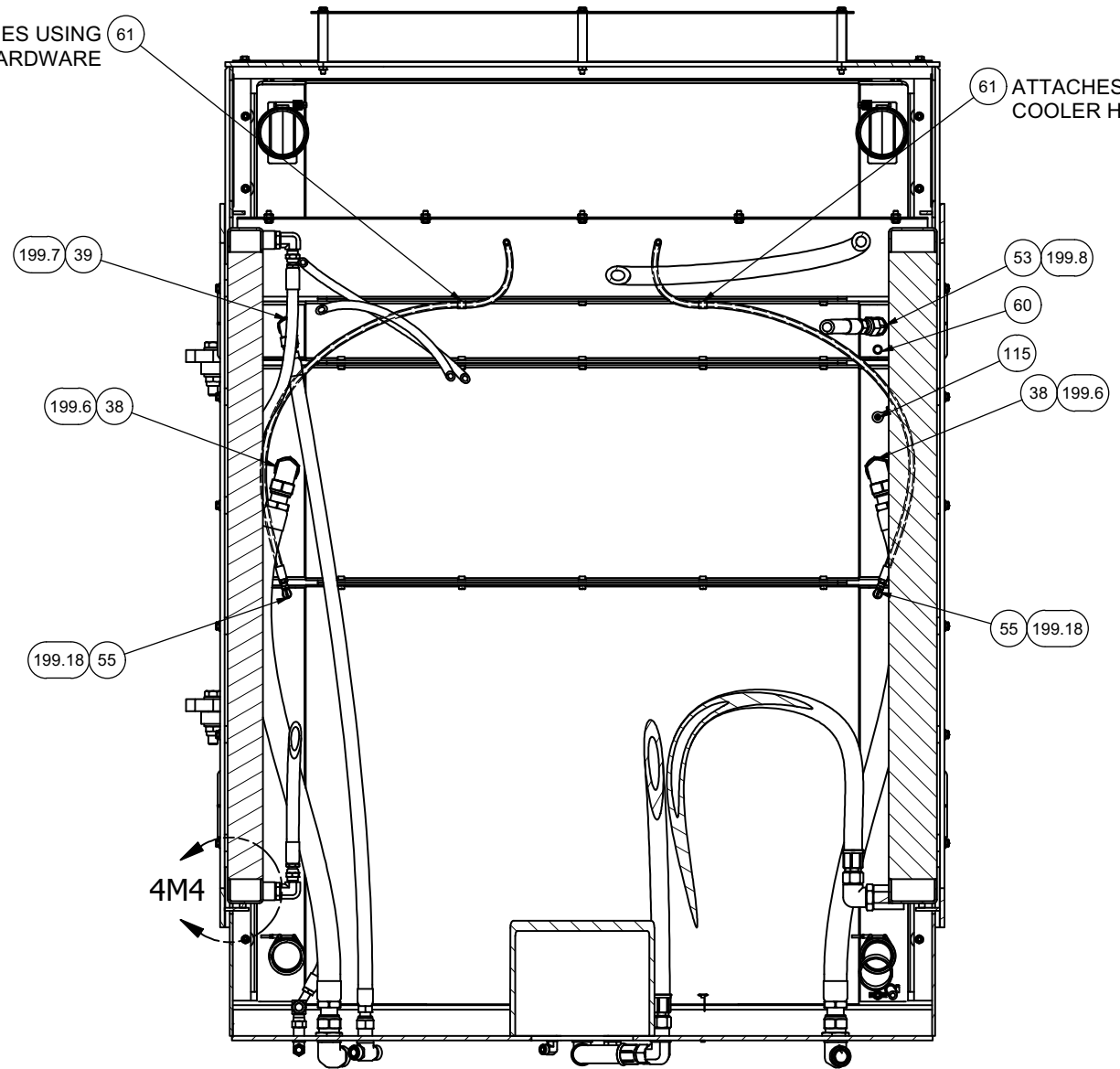


**SECTION 4F2-4F2**

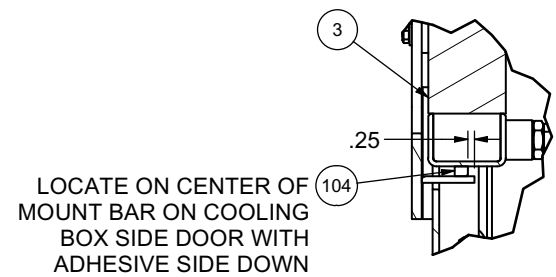


**SECTION 4H4-4H4  
VIEW ROTATED FOR CLARITY**

ATTACHES USING  
COOLER HARDWARE



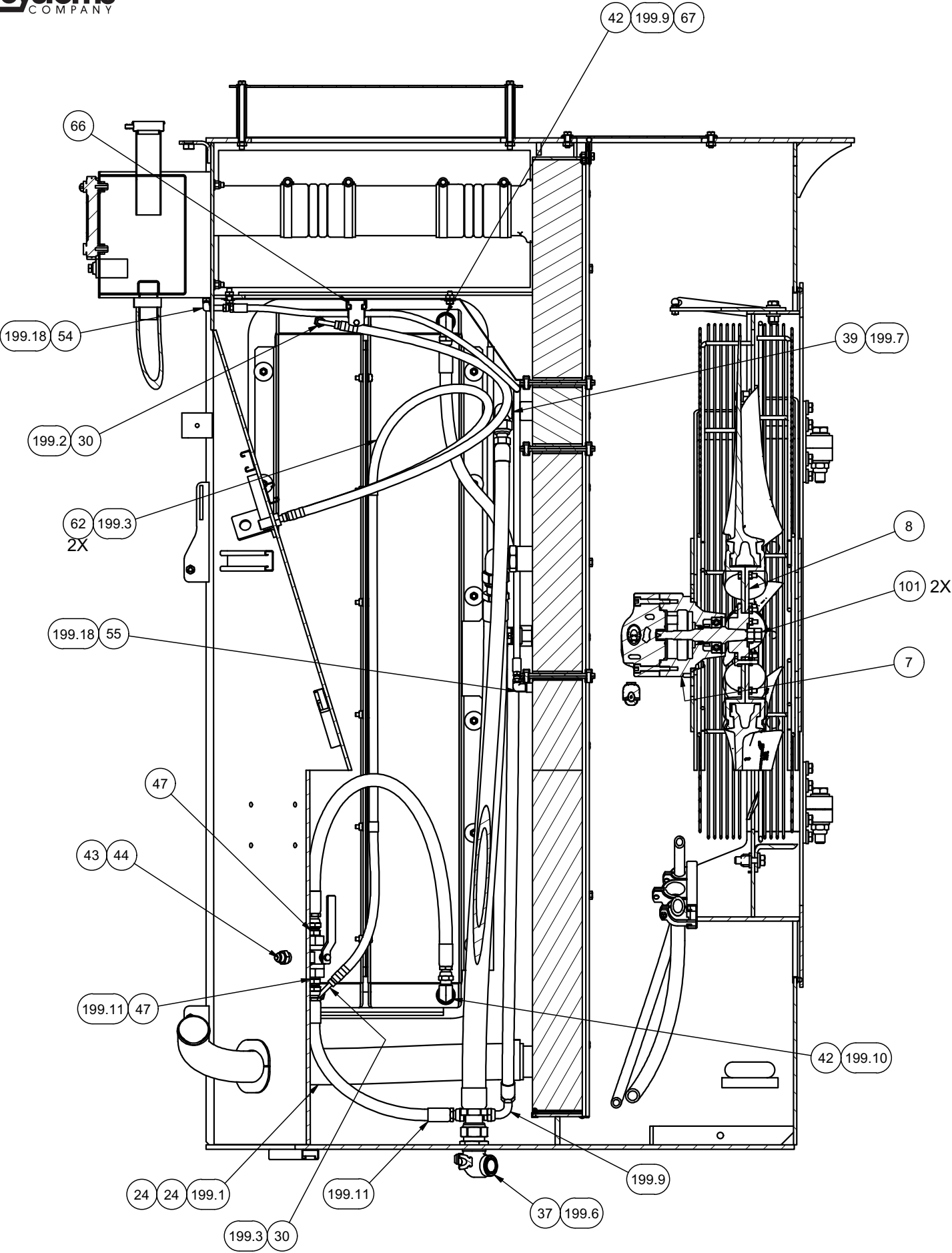
**SECTION 4G2-4G2**



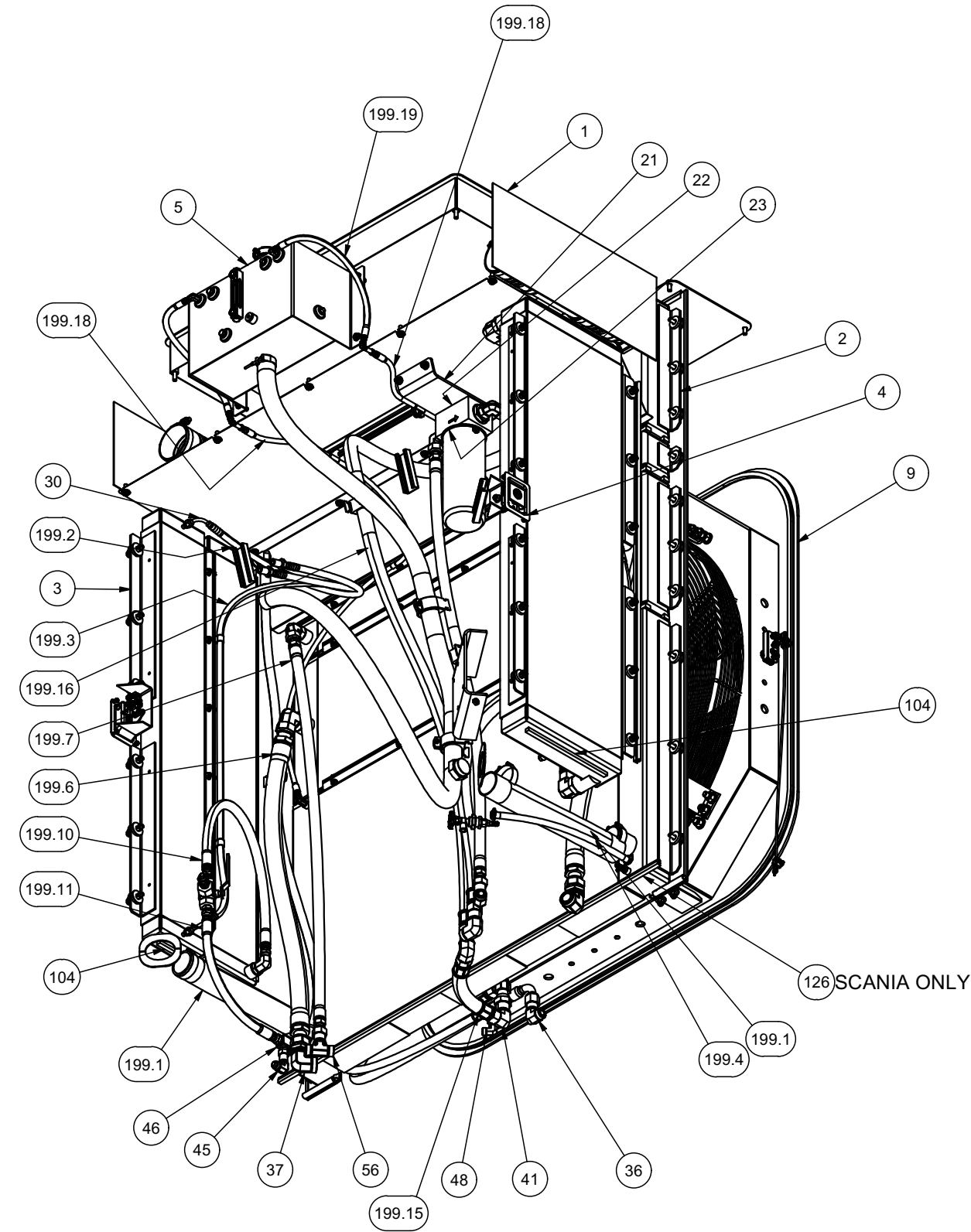
LOCATE ON CENTER OF  
MOUNT BAR ON COOLING  
BOX SIDE DOOR WITH  
ADHESIVE SIDE DOWN

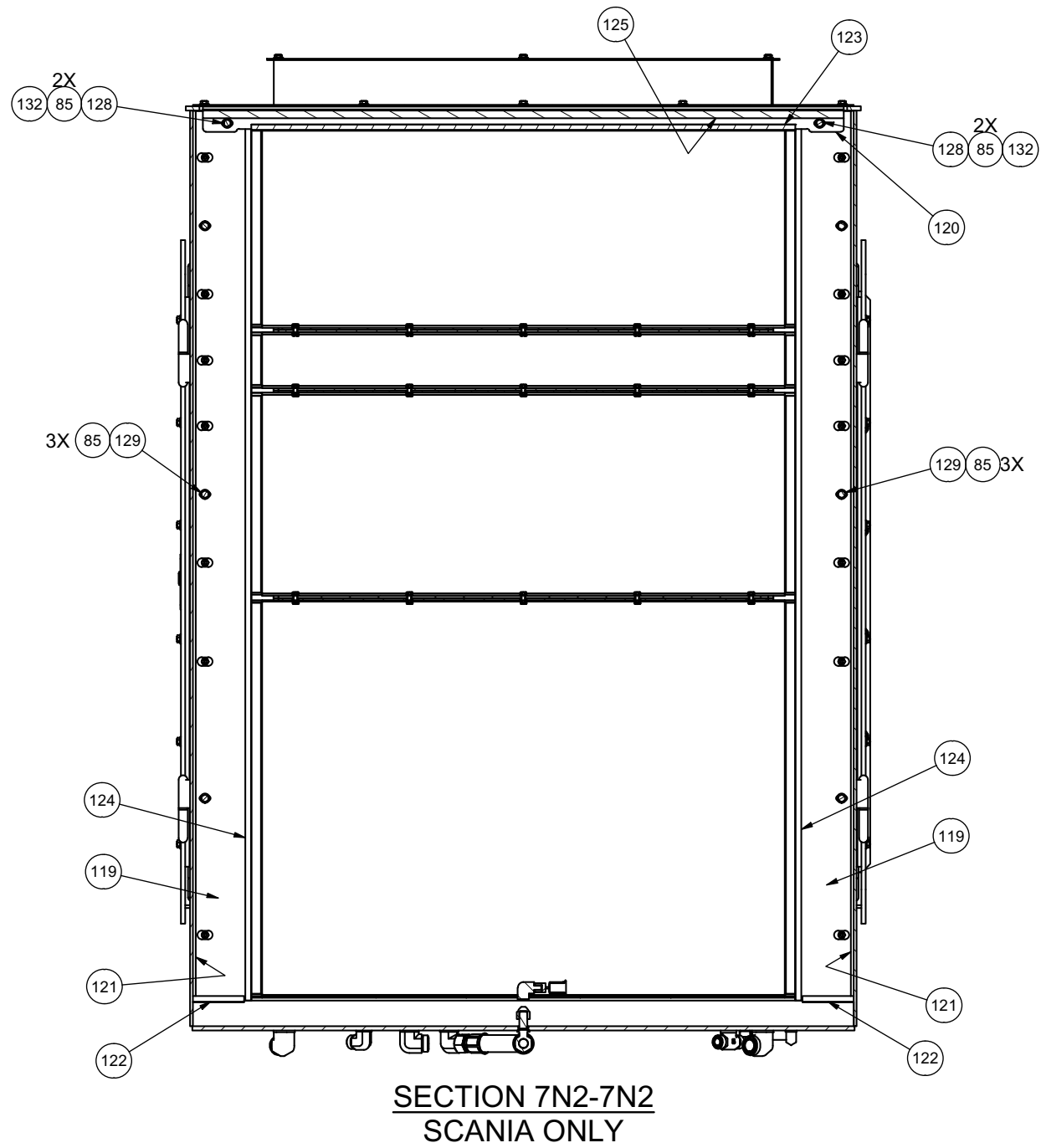
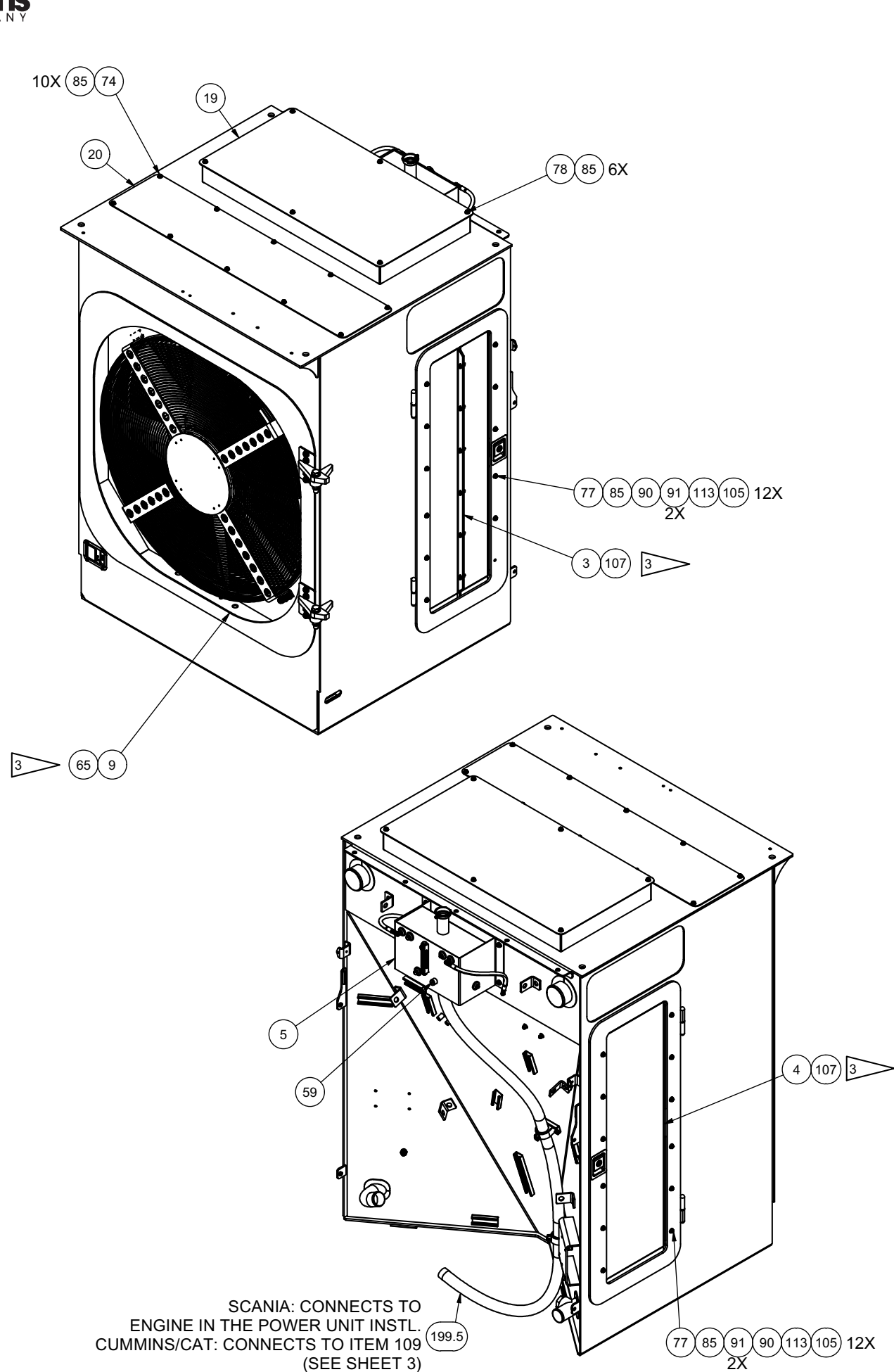
**DETAIL 4M4  
TYP. BOTH SIDES**





**SECTION 6L2-6L2**





SCANIA: CONNECTS TO  
ENGINE IN THE POWER UNIT INSTL.  
CUMMINS/CAT: CONNECTS TO ITEM 109  
(SEE SHEET 3)