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PROMETHEUS: PARTS LIST

REVISION 1, 2010 AUG 22

BASE STRUCTURE

| QTY | ID | PART NAME | PART DESCRIPTION, DIMENSIONS, AND RECOMMENDED MATERIAL FOR USE | |
|-----|----|-----------------|--|----------|
| 1 | A1 | Bed plate | Sheet metal, 36" x 20" x 1/8" | Aluminum |
| 2 | A2 | Rail, short | Angle Iron, 90 degree, 1.5" x 1.5" x 25" | Steel |
| 2 | A3 | Rail, long | Angle Iron, 90 degree, 1.5" x 1.5" x 36" | Steel |
| 2 | A4 | Crossbar, long | Square or round tubular stock, 1" x 1" x 29.5" | Aluminum |
| 5 | A5 | Crossbar, short | Square or tubular stock, 1" x 1" x 20" | Aluminum |
| 15 | A6 | Bolt, short | Carriage bolt, high tensile, 2" x 1/4" | Steel |
| 3 | A7 | Bolt, long | Carriage bolt, high tensile, 3.5" x 1/4" | Steel |
| 36 | A8 | Washer, small | Washer to fit 1/4" bolt, 3/4" outside diameter | Steel |
| 18 | A9 | Nut | 1/4" nut | Steel |

RAISED BOX

| QTY | ID | PART NAME | PART DESCRIPTION, DIMENSIONS, AND RECOMMENDED MATERIAL FOR USE | |
|-----|----|-----------------------|--|----------|
| 2 | B1 | Box side, long | Sheet metal, 33" x 8" x 1/8" | Aluminum |
| 2 | B2 | Box side, short | Sheet metal, 17.5" x 8" x 1/8" | Aluminum |
| 4 | B3 | Horizontal bar, Long | Square or round tubular stock, 1" x 1" x 31" | Aluminum |
| 4 | B4 | Horizontal bar, Short | Square or round tubular stock, 1" x 1" x 15.5" | Aluminum |
| 6 | B5 | Vertical bar | Square or round tubular stock, 1" x 1" x 6" | Aluminum |
| 6 | B6 | Bolt, box anchor | Carriage bolt, high tensile, 2" x 1/4" | Steel |
| 6 | B7 | Washer, small | Washer to fit 1/4" bolt, 3/4" outside diameter | Steel |
| 6 | B8 | Nut | 1/4" nut | Steel |

TOW BAR

| QTY | ID | PART NAME | PART DESCRIPTION, DIMENSIONS, AND RECOMMENDED MATERIAL FOR USE | |
|-----|----|-----------|--|----------|
| 1 | C1 | Tow Bar | Square or round tubular stock, 1" x 1" x 48" | Aluminum |

WHEELS

| QTY | ID | PART NAME | PART DESCRIPTION, DIMENSIONS, AND RECOMMENDED MATERIAL FOR USE | |
|-----|----|---------------|--|-------|
| 2 | D1 | Wheel | Bike wheel with threaded hubs, fit 16" dia. tire | Steel |
| 2 | D2 | Tire | General-purpose bicycle tires to fit rims | n/a |
| 2 | D3 | Inner tube | Tire inner tubes (of correct size to fit rims) | n/a |
| 2 | D4 | Valve cover | Valve stem cover | n/a |
| 4 | D5 | Wheel nuts | Lock nuts, same diameter as axle stem of wheel | Steel |
| 4 | D6 | Washer, large | Washer to fit wheel hub stem, 1" outside diameter | Steel |
| 1 | D7 | Wheel paint | All-weather industrial paint for metal surfaces | n/a |

LED LIGHTING KIT (OPTIONAL)

| QTY | ID | PART NAME | PART DESCRIPTION, DIMENSIONS, AND RECOMMENDED MATERIAL FOR USE | |
|-----|-----|-----------------|--|----------|
| 60 | E1 | White LED | White light emitting diode rated at 3.3v 20mA | n/a |
| 40 | E2 | Red LED | Red light emitting diode rated at 2.0v 20mA | n/a |
| 6 | E3 | AA battery | AA cell, NiMH chemistry, min. 2000mAh capacity | n/a |
| 1 | E4 | AA charger | AA smart charger for NiMH (delta-V capable) | n/a |
| 3 | E5 | AA holder | 2-AA Battery Holder with mounting holes | n/a |
| 1 | E6 | Wire | 16ga stranded insulated wire, copper conductor | Copper |
| 1 | E7 | Electrical tape | Electrical tape, rated for -10 to +90 Celsius | n/a |
| 1 | E8 | C-channel | C-profile angle iron | Aluminum |
| 6 | E9 | Bolt | Carriage bolt, high tensile, 1" x 1/4" | Steel |
| 6 | E10 | Nut | 1/4" nut | Steel |