



Work Instructions: Gardner Denver Cycloblower PTO Fitup Mounting Guide

Details: GD Cycloblower / Mounting Plate Fit-Up Area:

Safety Requirements: PPE

Reference Documents: GD Cycloblower manufacturers manual

Tools & Jigs Required:

STEP 1

a) Check all parts are available

Parts required:

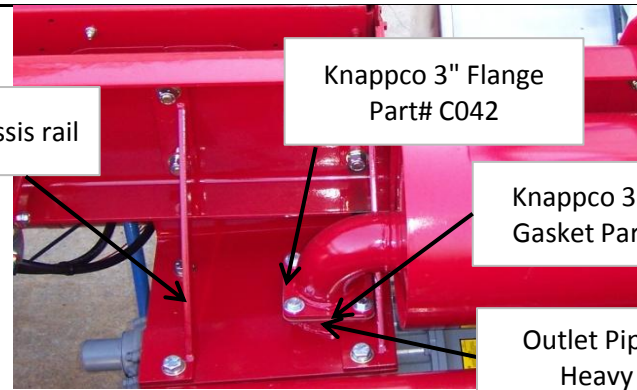
- 1 x Mounting Plate Part# C041
- 1 x Cycloblower Part# GDB-12L
- 1 x Econograph Gasket Part# GD160
- 1 x Knappco 3" Flange Part# C042
- 1 x Knappco 3" Flange Gasket Part# C044
- 1 x Outlet Pipe 3" NB Heavy Wall
- 4 x M14 Washers (High Tensile)



Cycloblower Part# GDB-12L

STEP 2

- a) Fit PTO to truck (refer to manufacturers manual)
- b) Check angle of gearbox
- c) Place blower on stand at same angle as gear box and high enough for ground clearance (approx. 300mm)
- d) Check blower clearance in relation to truck driveshaft and suspension
- e) Check compound angle for driveshaft (max. recommended 8°)
- f) Check mounting bracket is square.



Gussets to chassis rail

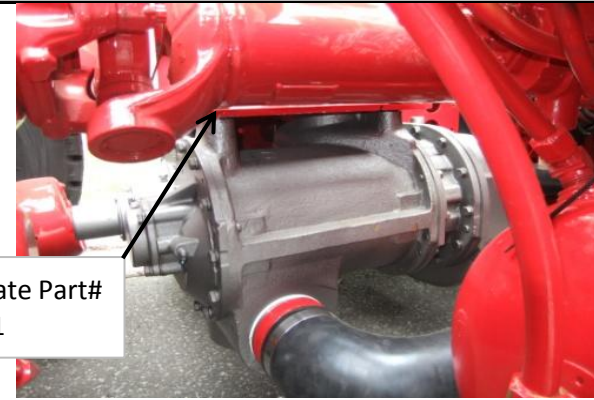
Knappco 3" Flange Part# C042

Knappco 3" Flange Gasket Part# C044

Outlet Pipe 3" NB Heavy Wall

STEP 3

- a) If compound angle is within tolerance, measure from side of chassis rail to first bolt pitch, mark hole pattern on mounting plate and drill 4 x 17mm hole in mounting plate.
(Refer to Cycloblower manual for hole pitch)
- b) Drill hole Dia. 80mm for blower outlet (refer to Cycloblower manual for hole pitch)
- c) Mount blower to mounting plate. Attach mounting plate to chassis rail by drilling four mounting holes.
- d) Ensure clearance of mounting plate to driveshaft >40mm.
- e) Mounting Plate must be gusseted to chassis rail.

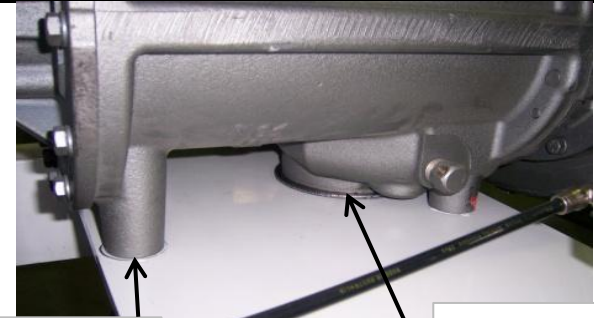


Mounting Plate Part#
C041

STEP 4

NOTE: CRITICAL! A compressible graphite gasket is fitted between the outlet of the blower and the mounting plate. To prevent distortion of the blower housing during fitment, use a M14 washer (2mm thick) for each of the four mounting bolts between the blower and the mounting plate

- a) Take cycloblower off mounting plate and weld 3" NB pipe concentric to 80mm DIA hole to opposite side of mounting plate.
- b) Check flatness of cycloblower mounting face with straight edge.
If necessary, grind mounting face flat with angle grinder and clean surface.
- c) After checking flatness of mounting plate, tack weld 4 x M14 washers (high tensile) as shown in picture.
Ensure washers are concentric with each mounting hole.
- e) Drill out washers to DIA. 16mm.



M14 Washers
(High Tensile) fitted for
each of the 4 bolts

Econograph Gasket
(compressible) Part#
GD160

NOTE: Washers must be 2mm in thickness