

Mounting instructions

Part N - 00506010599
00506010699

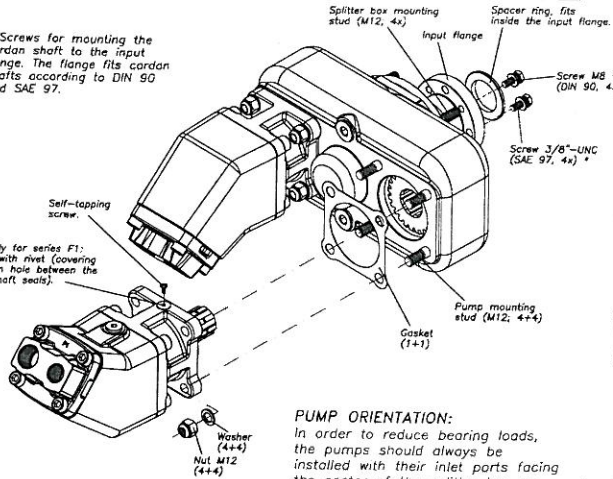


SPLITTER BOX
TWIN OUTPUT
SB 118 - SB 154

SERIES SB SPLITTER BOXES:

- » The splitter box is utilized to drive two pumps, providing two separate, independent flows.
- » Series SB accepts pumps with mounting flange and shaft end according to ISO standard 5462. Series F1 and F1plus pumps meet this standard.
- » The SB splitter box is available in two versions (input shaft-to-pump gear ratio in parenthesis).
SB 118 (1:1.18) and SB 154 (1:1.54)
- » The SB shipping carton contains all parts required for the installation of two pumps except the optional breather and hose kits.

* Screws for mounting the cardan shaft to the input flange. The flange fits cardan shafts according to DIN 90 and SAE 97.

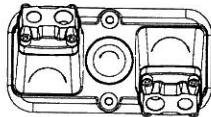


Valid only for series F1: Washer with rivet (covering the drain hole between the pump shaft seals).

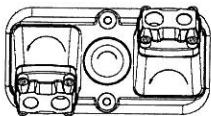
PUMP ORIENTATION:

In order to reduce bearing loads, the pumps should always be installed with their inlet parts facing the center of the splitter box as shown in figure.

If the pumps are not installed in this manner, the pump bearing life will be drastically reduced.



Pumps turning counter clockwise; input flange turning clockwise.



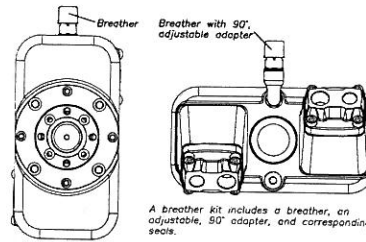
Pumps turning clockwise; input flange turning counter clockwise.

FITTING OF THE PUMPS:

- » Remove the shaft seals from the pumps - two in each pump.
- » Remove the washers covering the bleed holes in the pump mounting flanges.
- » Fit the two screws provided to the bleed holes.
- » Fit the pumps to the splitter box.

The assembled unit should be mounted either vertically (turn the splitter box so that the aeration plug on the side of the SB 154 will be at the top), or horizontally to a bracket.

When the pumps are fitted and connected to the hydraulic system, prime the assembly by backing of the uppermost aeration plug. Retighten when the oil starts to flow out.



A breather kit includes a breather, an adjustable, 90° adapter, and corresponding seals.

1. SERIES F1 AND F1plus:

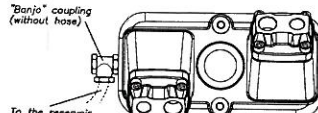
Valid: At less than 30 min. and/or less than 80 kW continuous power output

- » Install the gears (with snap rings) on the pump shafts.
- » Install the uppermost drain plug and add 0.5 liter Shell Spirax AX (or similar fluid).
- » Install the breather (and the 90° adapter, if required).

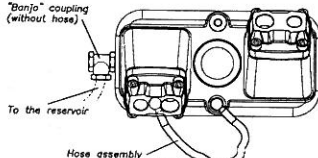
2. SERIES F1

Valid: At continuous operation more than 30 min. and/or more than 80 kW continuous power output

- » Remove the shaft seals from the pumps (there are two seals in each pump).
- » Remove the washers covering the bleed holes (located on the pump mounting flange).
- » Install the two self-tapping screws (included in the splitter box kit) in the bleed holes.
- » Install the gears (with snap rings) on the pump shafts.
- » Install the pumps on the splitter box.
- » Install a drain hose between the drain port on the side of the splitter box and the reservoir; it must end below the lowest oil level in the reservoir. Utilize the "banjo" coupling included in the hose kit.



A "banjo" coupling with seal is included in a hose kit.



A hose kit includes a hose assembly, a "banjo" coupling, and corresponding seals.

3. SERIES F1plus

Valid: At continuous operation more than 30 min. and/or more than 80 kW continuous power output.

- » Install the gear (with snap ring) on each pump shaft.
- » Install the pumps on the splitter box.
- » Install the hose assembly between the lowest drain port on one of the pumps and the lowest drain port of the splitter box.
- » Install a drain hose between the drain port on the side of the splitter box and the reservoir; it must end below the lowest oil level in the reservoir. Utilize one of the banjo couplings included in the hose kit.

Mar. 2.007

WARNING

THIS PTO OPERATION INSTRUCTION MUST BE AFFIXED A PROMINENT POSITION IN THE CAB. ANY DAMAGE CAUSED TO THE EQUIPMENT DUE TO IMPROPER FITMENT OF THE PTO OR NON FITMENT OF THE LABEL IS AT THE INSTALLER RISK.

ESTAS INSTRUCCIONES DEBEN SER COLOCADAS EN UN SITIO BIEN VISIBLE DENTRO DE LA CABINA. CUALQUIER DAÑO CAUSADO AL EQUIPO DEBIDO A UN MONTAJE O USO INCORRECTO O NO COLOCACIÓN DE ESTA ETIQUETA CARECERÁ DE GARANTÍA



Tel.: (01924) 282200
Fax: (01924) 282299

Any damage caused due to nonconformity with these instructions is entirely at the operators risk.

Cualquier daño producido en un montaje debido al incumplimiento de estas instrucciones, conllevará la pérdida de la garantía.

Ref.: 10013002971 ed01/14

- DEPRESS CLUTCH ALLOW GEARBOX TO STOP ROTATING BEFORE ENGAGING OR DISENGAGING PTO UNIT.

- PTO UNIT SHOULD NOT BE USED WHILE VEHICLES IS IN MOTION.

- THE PTO SHOULD BE RUN AT AN ENGINE SPEED AND NOT IN EXCESS OF MANUFACTURER REQUIREMENTS OR: R.P.M. WITH GERBOX IN SPLIT.

THE PTO SHOULD BE REGULARY CHECKED FOR LEAKS ANY FAULT FOUND SHOULD BE CORRECTED IMMEDIATELY.

- PRESIONAR SIEMPRE EL EMBRAGUE PARA PERMITIR PARAR A LA CAJA DE CAMBIO ANTES DE CONECTAR LA TOMA DE FUERZA.

- LA TOMA DE FUERZA NO DEBE SER USADA CON EL VEHICULO EN MOVIMIENTO.

- LA TOMA DE FUERZA DEBE GIRAR A LA VELOCIDAD PRECISA Y NO EXCEDER LA RECOMENDADA POR EL FABRICANTE O: R.P.M. CON EL CAMBIO EN VELOCIDAD.

CHEQUEAR REGULARMENTE QUE NO EXISTEN FUGAS DE ACEITE EN EL CONJUNTO HIDRAULICO Y CORREGIRLAS SI EXISTIERAN.