## HORIZONTAL SPLIT-SHAFT UNIT

#### SSH2-14 SERIES 14,400 lb.ft. (2000 Kgm) Through Torque SSH2-21 SERIES 21,600 lb.ft. (3000 Kgm) Through Torque

Mounting Location:

Inserted in the driveshaft between transmission and rear axle.

PTO torque capability:

940 lb.ft. (130 Kgm) max total combined for each output shaft at 1500 RPM (Output 1+2 or output 3+4)

**Output Shaft Options:** 

Up to four outputs - two to front, two to rear- independently shiftable PTO's for hydraulic pumps or prop-shaft drive.

Auxiliary power available with the vehicle in motion.

Drive connection to rear axle independent of PTO operation.

Optional switch for warning light when main drive is disconnected. (order 2053310000 Switch Kit separately)

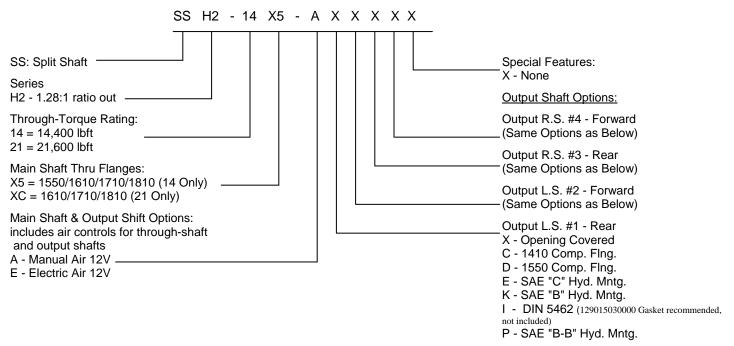
PTO OUTPUT RATIO: 1.28:1

Max. Output Shaft Speed = 2500 RPM

PTO output rotation: opposite input

Base Unit Weight:	SSH2-14	227 lbs. (103Kg)
-	SSH2-21	234 lbs. (106Kg)

Optional Mounting Kit 2991010000 (2 required)



NOTE: Vehicle must be stationary when shifting either main shaft or output shafts into or out of gear.



**VIEW FROM REAR** 

## Muncie Power Products, Inc. Work Sheet SSH2 SERIES

		Model	Thru Flange Option	Shift Option	Output L.S. #1 - Rear	Output R.S. #2 - Rear	Output L.S. #3 - Forward	Output R.S. #4 - Forward	Special Feature		
			Thr		0	0	0	0	S		
	FILL IN YOUR OPTIONS:										
	EXAMPLE:	SSH2-14	X5	- A	Х	Х	Х	Х	Х		Bill Of Materials
SSH2-14	3290120202									QTY 1	
SSH2-21	3290220202									.1	
X5 (SSH2-14 only)	2053500000									2	
XC (SSH2-21 only)	2054050000										
A	48TK4428 48TK4429(1 REQ. for ea. output kit) 48TK4430									1 # Or 1 #	
E	48TK4431(1 REQ. for ea. output kit)									#	
X - Opening Covered C - 1410 Comp. Flng. D - 1550 Comp. Flng. E - SAE "C" Hyd. Mntg. K - SAE "B" Hyd. Mntg. I - DIN 5462 P - SAE "B-B" Hyd. Mntg.	None 2053490000 2053640000 2054260000 3520510000B STANDARD 3520520000B									1	
X - Opening Covered C - 1410 Comp. Flng. D - 1550 Comp. Flng. E - SAE "C" Hyd. Mntg. K - SAE "B" Hyd. Mntg. I - DIN 5462 P - SAE "B-B" Hyd. Mntg.	None 2053490000 2053640000 2054260000 3520510000B STANDARD 3520520000B									1	
X - Opening Covered C - 1410 Comp. Flng. D - 1550 Comp. Flng. E - SAE "C" Hyd. Mntg. K - SAE "B" Hyd. Mntg. I - DIN 5462 P - SAE "B-B" Hyd. Mntg.	None 2053490000 2053640000 2054260000 3520510000B STANDARD 3520520000B									1	
X - Opening Covered C - 1410 Comp. Flng. D - 1550 Comp. Flng. E - SAE "C" Hyd. Mntg. K - SAE "B" Hyd. Mntg. I - DIN 5462 P - SAE "B-B" Hyd. Mntg.	None 2053490000 2053640000 2054260000 3520510000B STANDARD 3520520000B									1	
X - None	None										None
MOUNTING KIT	2991010000									2	2991010000

## Muncie Power Products, Inc. VERTICAL SPLIT-SHAFT UNIT

# SSV\*-14 SERIES14,400 lb.ft. (2000 Kgm) Through TorqueSSV\*-21 SERIES21,600 lb.ft. (3000 Kgm) Through Torque

Mounting Location:

Inserted in the driveshaft between transmission and rear axle.

PTO torque capability:

SSV2 = 940 lb.ft. (130 Kgm) max total combined for each output shaft (1&2 Only) at 1500 RPM

SSV4 = 857 lb.ft. (118 Kgm) max total combined for each output shaft (1&2 Only) at 1500 RPM

Two - one to front, one to rear- independently shiftable PTO's for hydraulic pumps or prop-shaft drive.

Two auxiliary outputs for lube pump or light pump applications on SSV2 only.

Auxiliary power available with the vehicle in motion.

Drive connection to rear axle independent of PTO operation.

Optional switch for warning light when main drive is disconnected. (Order TG-RPS-A pressure switch kit separately)

PTO OUTPUT RATIO: SSV2 = 1.28:1 (at 1 & 2)

Aux = 1.25:1 (at 3 & 4)

SSV4 = 1.56:1 (at 1 & 2 Only)

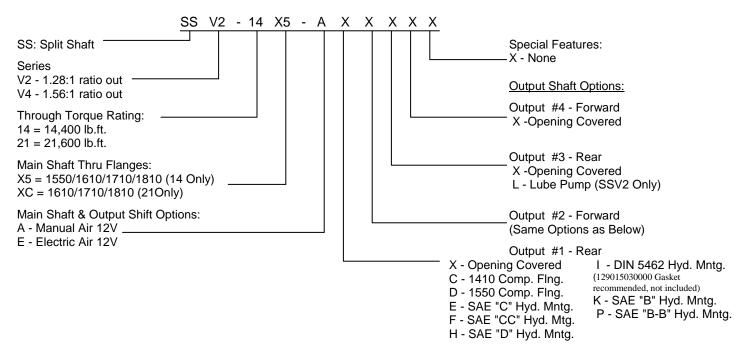
PTO output rotation:

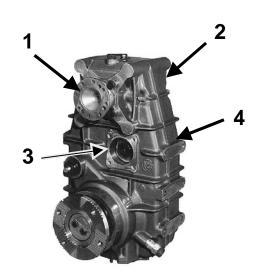
opposite input (at 3 & 4)

same as input (at 1 & 2)

Max Output Shaft Speed: Standard Unit 2,500 RPM With lube kit 3,700 RPM

Base Unit Weight: SSV\*-14 = 251 lbs. (114Kg) SSV\*-21 = 255 lbs. (116Kg) Optional Mounting Kit 2991070000 (2 required) Optional Lube Pump 2054150000 (SSV2 Only)(#3 Only)





VIEW FROM REAR

RGW/ENG/05/12/09

### Work Sheet SSV2 SERIES

		Model	Thru Flange Option	Shift Option	Output L.S. #1 - Rear	Output R.S. #2 - Rear	Output L.S. #3 - Forward	Output R.S. #4 - Forward	Special Feature		
	FILL IN YOUR OPTIONS:										
	EXAMPLE:	SSV2-14	X5	- A	Х	Х	Х	Х	Х		Bill Of Materials
SSV2-14 SSV4-14	3290300000 3290500000									QTY 1	
SSV2-21 SSV4-21	3290400000 3290600000										
X5 (SSV2or4-14 only)	2053500000									2	
XC (SSH2or4-21 only)	2054050000										
A	48TK4428 48TK4429(1 REQ. for ea. output kit)									1 #	
E	48TK4430 48TK4431(1 REQ. for ea. output kit)									Or 1 #	·
X - Opening Covered C - 1410 Comp. Flng. D - 1550 Comp. Flng. E - SAE "C" Hyd. Mntg. F - SAE "CC" Hyd. Mtg. H - SAE "D" Hyd. Mntg. K - SAE "B" Hyd. Mntg. I - DIN 5462 P - SAE "B-B" Hyd. Mntg.	None 2053490000 2053640000 2054260000 2054270000 2054280000 3520510000B STANDARD 3520520000B									1	
X - Opening Covered C - 1410 Comp. Fing. D - 1550 Comp. Fing. E - SAE "C" Hyd. Mntg. F - SAE "CC" Hyd. Mtg. H - SAE "D" Hyd. Mntg. K - SAE "B" Hyd. Mntg. I - DIN 5462 P - SAE "B-B" Hyd. Mntg.	None 2053490000 2053640000 2054260000 2054270000 2054280000 3520510000B STANDARD 3520520000B									1	
L - Lube Pump (on Rear) (SSV2 Only ) (Only 1 Req.)	2054150000									1	
X – None	None										
X - None	None									ļ	
MOUNTING KIT	2991070000									2	2991070000

#### Muncie Power Products, Inc. SSH2 and SSV\* SERIES SPLIT SHAFT GENERAL SPECIFICATIONS

#### Compact design:

- Reduced length for easy fit in short wheelbase trucks.
- SSH2 offers reduced height for maximum space availability for the bodywork and other equipment. The SSH2 fits below the frame rails.

#### Lightweight:

SSH2-14	227 lbs. (103 Kg) without flanges	SSH2-21	234 lbs. (106 Kg) without flanges.
SSV*-14	251 lbs. (114 Kg) without flanges	SSV*-21	255 lbs. (116 Kg) without flanges.

#### **PTO outputs:**

- Popular hydraulic pump flanges and drive flanges for standard driveshafts to remote driven equipment.
- Converting output configurations is possible without dismantling the unit.
- Provision for indicator switch to indicate engagement/disengagement of the drive to the rear axle. Order switch Kits Separately.

#### Main shaft flanges:

• Companion flanges are available to suit the drive shafts of all popular vehicles.

#### SHIFTING MECHANISM

#### Main shaft:

- Vehicle drive engagement/disengagement is controlled by a double acting air cylinder. Current position is retained when air pressure is discontinued.
- For added safety a mechanical detent ensures that the drive to the rear axle will not be disconnected if air pressure is lost.

#### PTO output shafts:

• Four (SSH2) and Two (SSV\*) power take-off outputs available, each independently controlled by a single acting air cylinder.

#### LUBRICATION

- Splash type: only 4.75 qt. (4.5 kg) oil required for optimum lubrication of all components.
- Dry sump lubrication available on SSV2 for high speed operation (over 2500 output shaft speed.)
- Filler breather, drain and level plugs are readily accessible to allow for easy oil servicing. Magnetic drain plugs retain metallic impurities.

#### CONSTRUCTION

- Strong, compact cast iron housing. One piece construction with only one aperture for maximum (structural) sturdiness. Housing surface is ribbed for improved strength and heat dissipation.
- Main transmission shafts manufactured in forged alloy steel and case hardened.
- Teeth of spur gears are made of alloy forged steel, and case hardened. Gears are profile ground to provide quiet operation.
- The main shafts are supported by heavy duty ball bearings.
- Tapered roller bearings support the PTO output shafts.

#### SPECIFICATIONS

#### Throughput torque:

- 14,400 lb.ft. (2000 Kgm) for SSH2-14 and SSV\*-14
- 21,600 lb.ft. (3000 Kgm) for SSH2-21 and SSV\*-21

**Calculating Throughput Torque:** Multiply Max engine torque by the deepest transmission ratio. Example:

Freightliner FLD-112 Conventional

Engine = Caterpillar C-10; 10.3L Diesel Engine; 305GHP @ 1800 RPM; 1050 FtLb @ 1200 RPM

Transmi	331011 -					501				
1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	$5^{th}$	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	$9^{th}$	Rev Lo	Rev Hi
12.65	8.38	6.22	4.57	3.40	2.46	1.83	1.34	1.00	13.22	3.89

Transmission = Fuller RT-11609A 9 Speed Direct

Through Torque = 1050 FtLb X 13.22 Ratio = 13,881 FtLb

#### Max output torque:

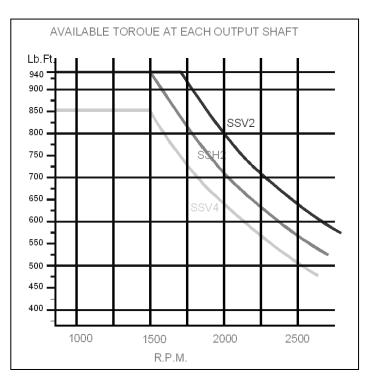
- SSH2 = 940 lb.ft. (130 Kgm) max total combined for each output shaft @1500 RPM. (Companion flange drives not to exceed drive shaft ratings.)
- SSV2 = 940 lb.ft. (130 Kgm) max total combined for each output shaft @1500 RPM. (Companion flange drives not to exceed drive shaft ratings.) (excluding intermediate shafts)
- SSV4 = 857 lb.ft. (118 Kgm) each shaft @1500 RPM (Companion flange drives not to exceed drive shaft ratings.)

#### PTO ratio:

- SSH2 and SSV2 = 1.28:1 output/input
- SSV4 = 1.56:1 output/input

#### **Rotation:**

- SSH2 opposite input
- SSV2 & SSV4 same as input (intermediate shaft rotation is opposite input)



#### SPLIT-SHAFT INSTALLATION

#### SPLIT-SHAFT UNIT POSITIONING

The Muncie split-shaft unit should be located between the gearbox and the rear axle, as near as possible to the transmission output flange. If possible locate the split-shaft unit in place of the midship bearing. Elastic suspension elements should always be fitted between the split-shaft and the truck chassis. Suitable suspension kits are available to facilitate the installation of the split-shaft unit. Direct mounting of large pumps may require additional support to balance the assembly on the elastic suspension elements.

#### MOUNTING THE SPLIT-SHAFT UNIT TO THE TRUCK FRAME

Welding to frame or cross members is not allowed. All brackets should be fastened to the truck frame using bolts. Existing holes should be used. Additional holes should only be made with the approval of the truck manufacturer.

#### **DRIVE SHAFTS**

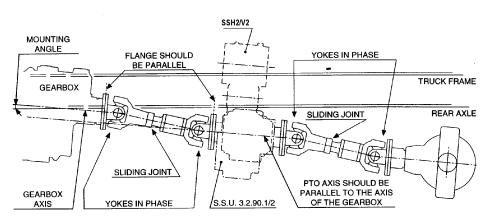
**Contact your local Driveline shop for driveshafts and driveshaft alterations.** All shafts used in the vehicle's drive line should be the same size and quality as the original. The same applies to flanges, bolts, and nuts. Self locking nuts should never be re-used, but should be replaced by new ones.

#### Balance

All drive shafts should be statically and dynamically balanced.

#### Angles

To prevent vibration and noise during operation all drive flanges must be parallel. Therefore it is necessary to incline the split-shaft unit and all other driven equipment at the same angle to the truck frame as the transmission. This angle varies with the truck model. Information should be obtained from the truck manufacturer.

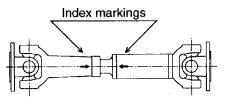


#### Phase

Drivelines with slip joints should be used. Make sure that compensation is allowed for length changes. When assembling make sure that all U-joints are correctly phased by ensuring that index markings are correctly aligned.

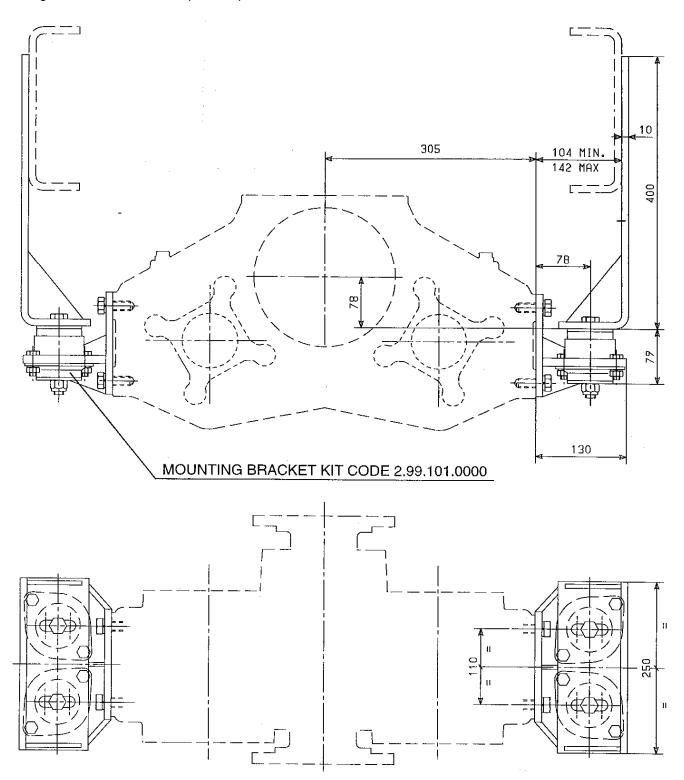
#### Protection

For safety reasons it is highly recommended to provide all accessible drivelines with protection covers.



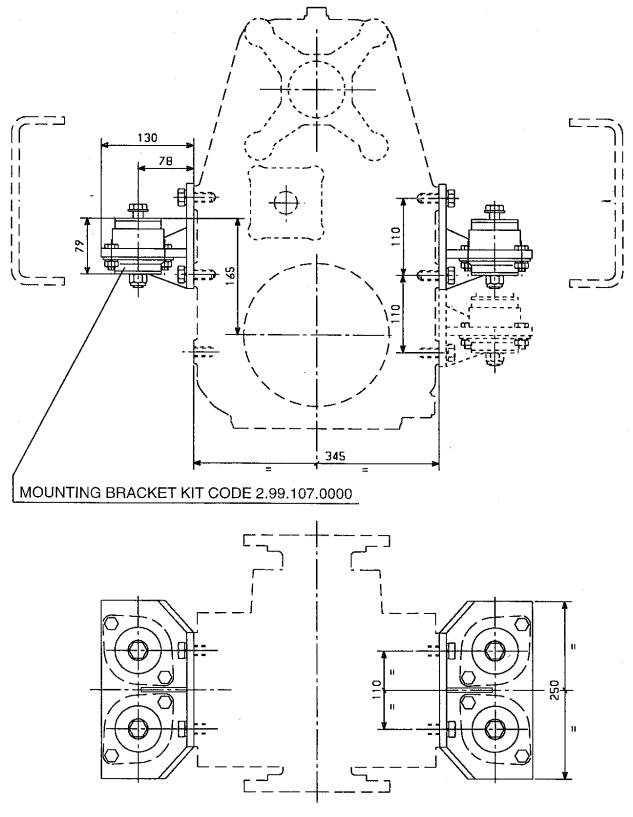
#### **MOUNTING SSH2 SERIES**

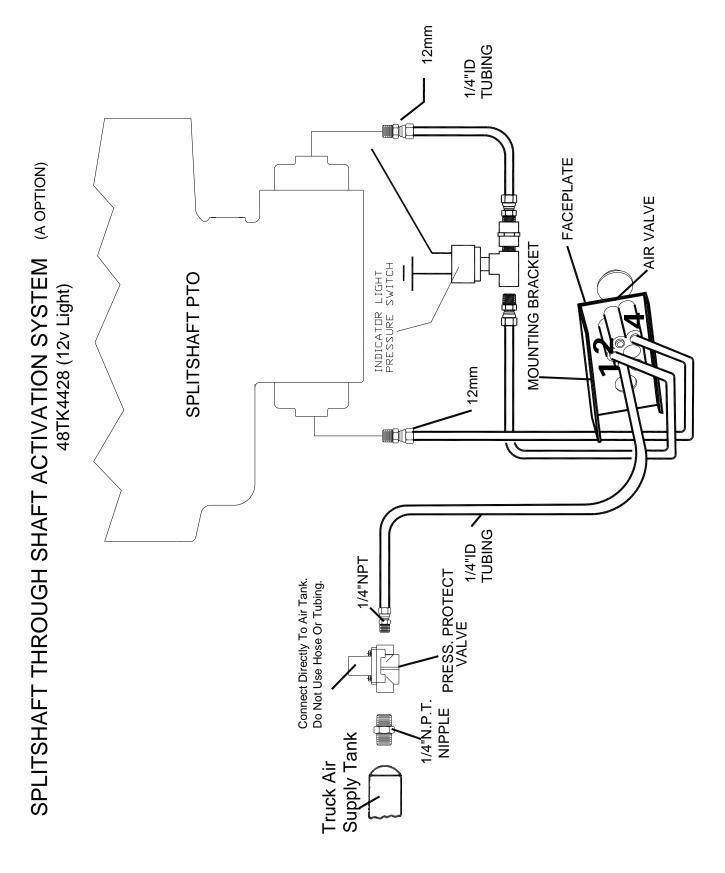
Mounting Bracket 2991010000 2 pcs. Required.

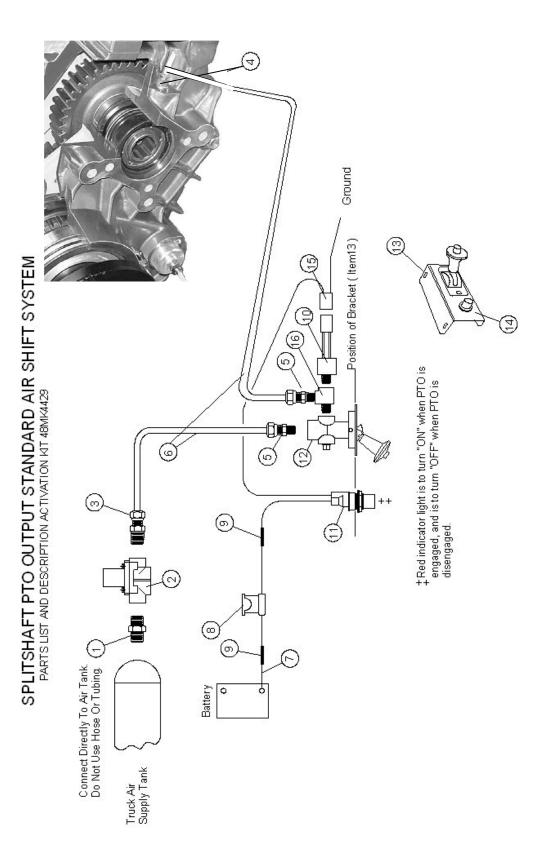


#### MOUNTING SSV\* SERIES

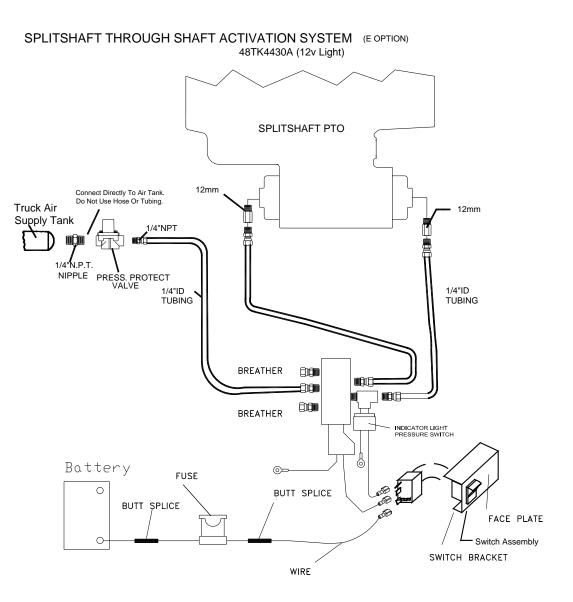
Mounting Bracket 2991010000 2 pcs. Required.

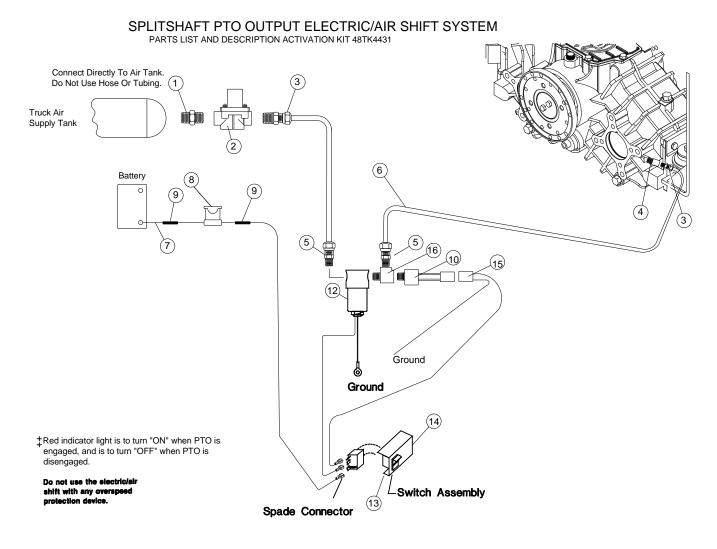












ITEM	QTY	PART NO	DESCRIPTION
1	1	44MB2164	Pipe Nipple
2	1	31M15759	Pressure Protection Valve
3	2	44MB6844	Tube Fitting
4	1	44T38629	Adapter 1/8" BSPT
5	2	44MB6842	Tube Fitting
6	1	45M44430	Air Tubing - 30 ft
7	30	37M18000	Electric Wire - 30 ft
8	1	33T36299	Fuse Assembly
9	3	34M18002	Butt Splice
10	1	30T37954	Pressure Switch
11	1	32M12001	Light Assembly 12v
12	1	35M18653	Air Valve
13	1	36MA1004	Dash Bracket
14	1	36M01005	Face Plate
15	1	34T36941	Wiring Pigtail
16	1	44MB2252	Street Tee
NS	1	36MK1007	Bolt Kit - Dash Bracket

13

#### ENGAGING THE SPLIT SHAFT (MANUAL TRANSMISSION)

- 1. Stop the vehicle and put the transmission in neutral.
- 2. Apply the parking brake and block wheels (if the unit is to operate while the vehicle is stationary).
- 3. For stationary operation: Shift the main shaft air control (double acting) to disconnect the drive to the rear axle.
- 4. With the engine at idle, engage the required PTO output(s) by operating the relevant air control(s).
- 5. Depress the clutch pedal and select the required gear. The output shaft speeds are dependent on the main transmission gear selection. Use caution if placing the transmission into reverse as it may cause damage to the driven component(s).
- 6. Slowly release the clutch pedal. If Split Shaft is not disengaged from the rear axle, release parking brake to allow vehicle to be driven at application rate.
- 7. For stationary operation: Set the engine speed to the required R.P.M.

#### **DISENGAGING THE SPLIT SHAFT**

- 1. Return the engine speed to idle.
- 2. Depress the clutch pedal and place the transmission in neutral.
- 3. Set the parking brake if vehicle has been used in mobile application.
- 4. Disengage the PTO output(s) by operating the relevant air control(s).
- 5. Shift the main air control (double acting) to re-engage the drive to the rear axle.
- 6. Remove the wheel blocks, if stationary application.
- 7. All PTO outputs are now disengaged. The vehicle can be driven as normal.

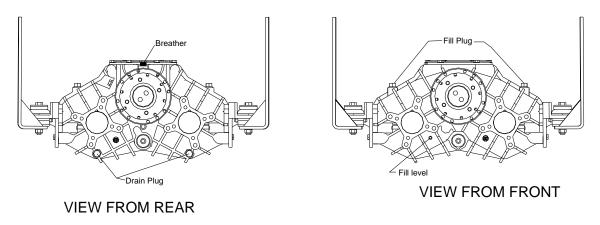
#### ENGAGING THE SPLIT SHAFT (AUTOMATIC TRANSMISSION)

- 1. Stop the vehicle and put the transmission in neutral.
- 2. Apply the parking brake and block wheels (if the unit is to operate while the vehicle is stationary).
- 3. For stationary operation: Shift the main shaft air control (double acting) to disconnect the drive to the rear axle.
- 4. Engage the required PTO output(s) by operating the relevant air control(s).
- 5. Shift transmission into the required gear selection. Use caution if placing the transmission into reverse as it may cause damage to the driven component(s).
- Stationary application: Using a method specified by the transmission manufacturer, shift transmission into direct drive. Mobile application: If Split Shaft is not disengaged from the rear axle, release parking brake to allow vehicle to be driven at application rate.
- 7. For stationary operation: Set the engine speed to the required R.P.M.

#### **DISENGAGING THE SPLIT SHAFT**

- 1. Be sure vehicle is stopped and apply parking brake.
- 2. Shut off the engine with transmission in drive mode.
- 3. Set the parking brake if vehicle has been used in mobile application.
- 4. Disengage the PTO output(s) by operating the relevant air control(s).
- 5. Shift transmission into neutral.
- 6. Remove the wheel blocks.
- 7. Restart the engine.
- 8. Shift the main air control (double acting) to re-engage the drive to the rear axle.
- 9. All PTO outputs are now disengaged. The vehicle can be driven as normal.

Failure to follow proper shifting or operating sequences will result in premature PTO failure with possible damage to the equipment.

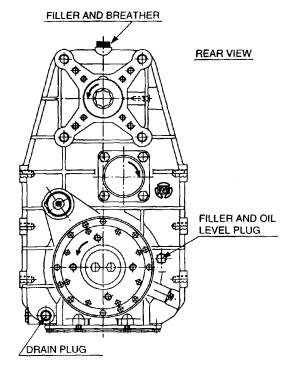


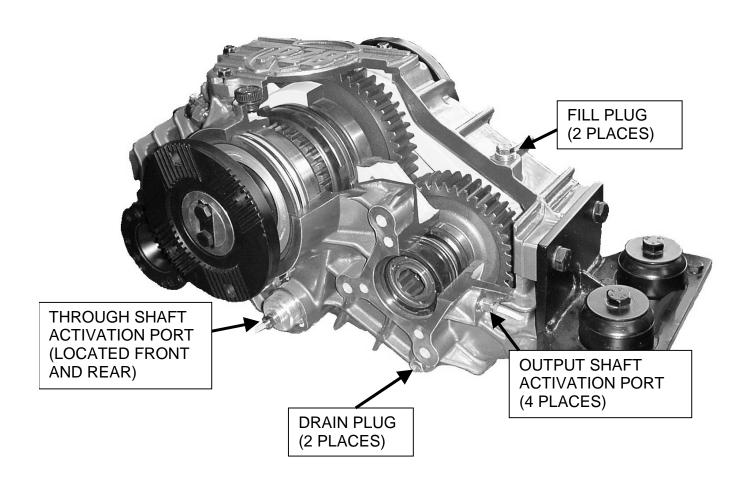
#### **OIL SERVICE**

- 1. Split shaft unit must be filed with oil up to oil level plug before use.
- 2. The oil level must be checked regularly. A minimum of every two weeks of vehicle operation is recommended.
- 3. The oil must be changed every 2000 working hours (application operation.)
- 4. Remove the bottom drain plugs (left and right hand side SSH2) to ensure old oil is completely drained from the split shaft unit.
- 5. Clean metal particles from the magnetic drain plugs before replacing.
- 6. To refill unit pour oil through one of the uppermost filler plugs (or breather) until it reaches the oil level plug.
- 7. Use SAE 90 EP gearbox oil.

For the Horizontal Splitshaft , the nominal oil capacity is 2.6 qts. (2.5 liters).

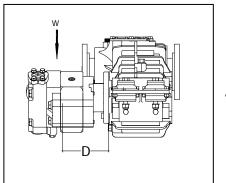
For the Vertical Splitshaft, the nominal oil capacity is 4.75 qts. (4.5L) standard, and 2.1 qts (2L) with oil cooling kit.





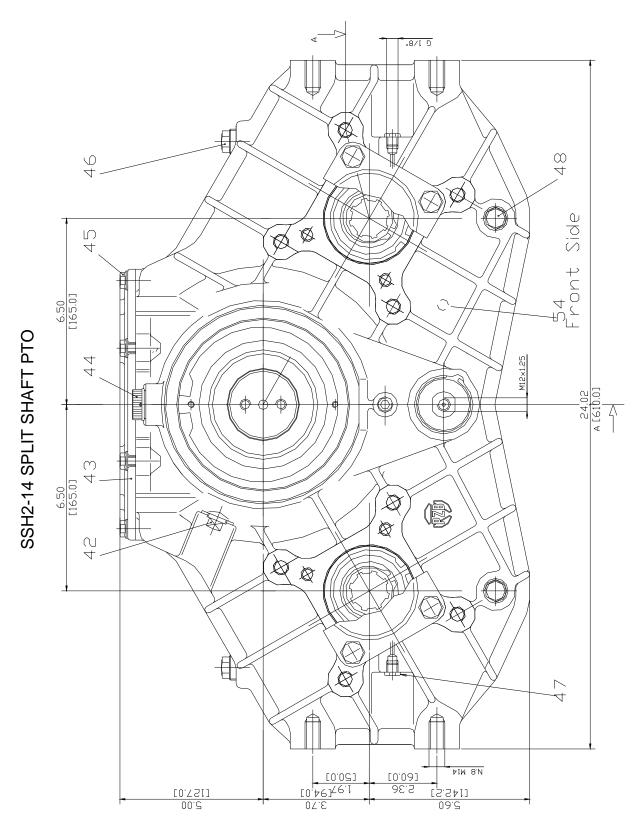
DIRECT MOUNT PUMP WIEGHT LIMITS WITHOUT SUPPORT

The direct mount pump limit is found by weighing the pump and measuring the distance from the mounting pad to the center of gravity of the pump.

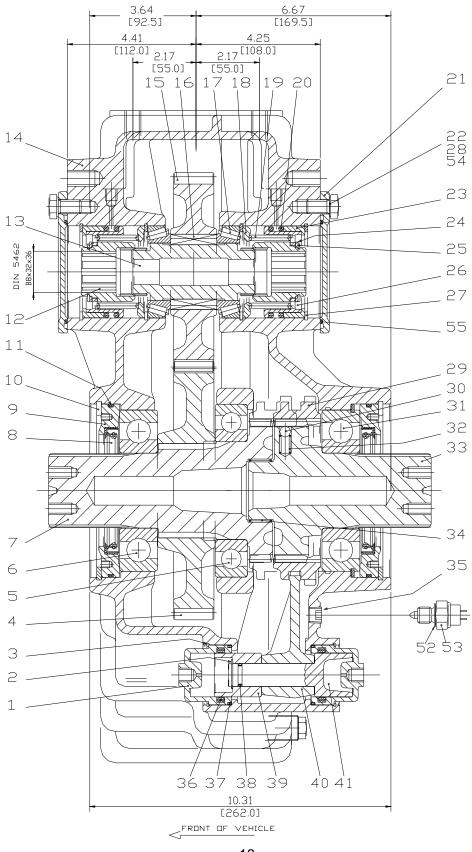


$$\label{eq:matrix} \begin{split} D &= ft \\ W &= lb \\ L &= D \ x \ W \end{split}$$

The limit is 37 ft.lb. (50Nm)



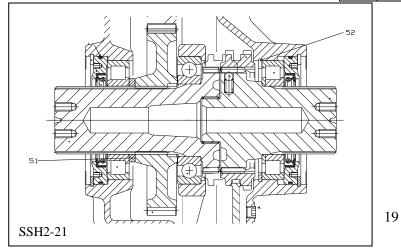
17



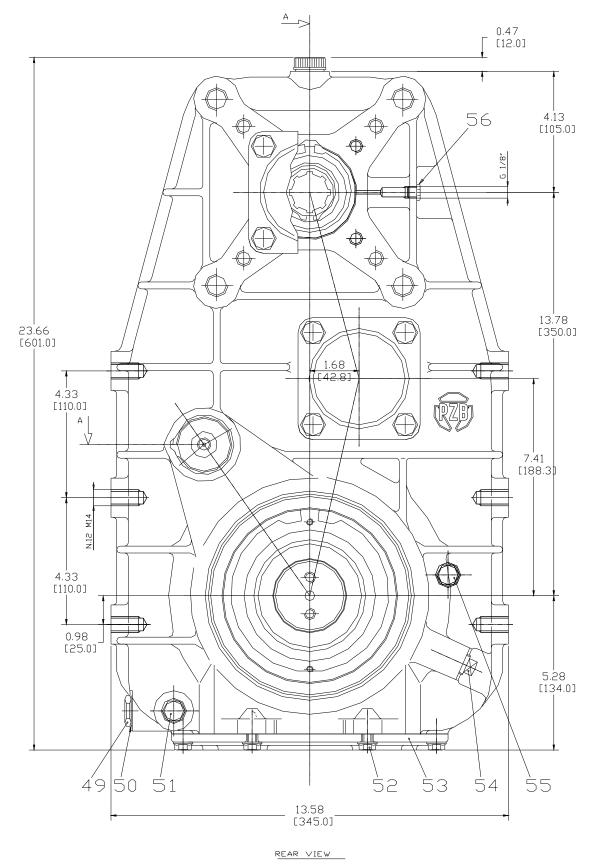
SER	VICE	PARTS	SSH2

1	1080100100	Cylinder	2
2	0070102200	Snap Ring	1
3	0070500200	Snap Ring	2
4	1110310700 1110310900	Gear 50T (SSH2-14) Gear 50T (SSH2-21)	1
5	0100104200	Bearing	1
6	0100104000 0100302100	Bearing (SSH2-14) Bearing (SSH2-21)	1
7	1130115100 1130116100	Shaft (SSH2-14) Shaft (SSH2-21)	1
8	0080109100	Seal 90x110x12	2
9	1270212200	Ring	2
10	0070204600	Snap Ring	2
11	0080214000	O Ring	2
12	1170207100	Splined sleeve	4
13	1130204000	Shaft	2
14	1010501000	Housing	1
15	1111010800	Gear 39T	2
16	0060101800	Key 14x9x40	4
17	0100502700	Bearing	4
18	1260109000	Ring	4
19	1280107500	Coil Spring	4
20	0080211900	O Ring	8
21	1240111300	Cover	4
22	0020203100	Stud m12x30	16
23	1270207900	Ring	4
24	1260108500	Spacer	4
25	0070101600	Snap Ring	4
26	1210202500	Piston	4
27	0070201200	Snap Ring	8

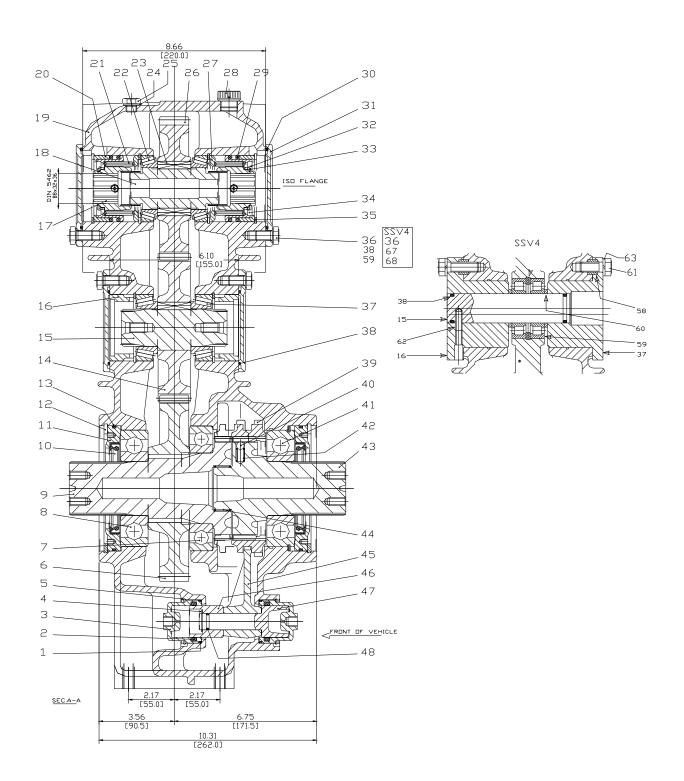
28         0030101900         Hex Nut M12         16           29         1170208000         Splined Sleeve         1           30         0110100200         Ball 3/8"         3           31         0100104100         Bearing (SSH2-14)         1           32         1280100600         Coil Spring         3           33         1130115200         Shaft (SSH2-14)         1           34         0100601700         Needle Cage 50x55x20         1           35         0120107700         Plug m14x1.5         1           36         0080213700         O Ring 6150         2           37         0080213800         O Ring 119         1           39         1210203800         Piston         1           40         1220104400         Fork         1           41         1210103000         Piston         1           44         0120104900         Plug 18x1.5         1           43         1240109400         Cover         1           44         0120111500         Filler-Breather G 1/2"         1           45         0010107600         Capscrew M8x20         6           46         01201005900         Plug 21				
30         0110100200         Ball 3/8"         3           31         0100104100         Bearing (SSH2-14)         1           32         1280100600         Coil Spring         3           33         1130115200         Shaft (SSH2-14)         1           34         0100601700         Needle Cage 50x55x20         1           35         0120107700         Plug m14x1.5         1           36         0080213700         O Ring 6150         2           37         0080213800         O Ring 119         1           39         1210203800         Piston         1           40         1220104400         Fork         1           41         1210103000         Piston         1           42         0120104900         Plug 18x1.5         1           43         1240109400         Cover         1           44         0120111500         Filler-Breather G 1/2"         1           45         0010107600         Capscrew M8x20         6           46         0120106500         Plug 22x1.5         2           47         0120105900         Plug G1/8"         4           48         0120100200         Plug 22x1.5 M	28	0030101900	Hex Nut M12	16
31         0100104100 0100302200         Bearing (SSH2-14) Bearing (SSH2-21)         1           32         1280100600         Coil Spring         3           33         1130115200 1130116200         Shaft (SSH2-14) Shaft (SSH2-21)         1           34         0100601700         Needle Cage 50x55x20         1           35         0120107700         Plug m14x1.5         1           36         0080213700         O Ring 6150         2           37         0080213800         O Ring 3187         2           38         0080213600         O Ring 119         1           39         1210203800         Piston         1           40         1220104400         Fork         1           41         1210103000         Piston         1           42         0120104900         Plug 18x1.5         1           43         1240109400         Cover         1           44         012010500         Plug 22x1.5         2           47         012010500         Plug 22x1.5         2           47         0120100200         Plug 22x1.5         2           50         1260112200         Spacer (SSH2-21 only)         1           51	29	1170208000	Splined Sleeve	1
0100302200         Bearing (SSH2-21)           32         1280100600         Coil Spring         3           33         1130115200         Shaft (SSH2-14)         1           34         0100601700         Needle Cage 50x55x20         1           35         0120107700         Plug m14x1.5         1           36         0080213700         O Ring 6150         2           37         0080213800         O Ring 3187         2           38         0080213600         O Ring 119         1           40         1220104400         Fork         1           41         1210103000         Piston         1           42         0120104900         Plug 18x1.5         1           43         1240109400         Cover         1           44         012011500         Filler-Breather G 1/2"         1           45         0010107600         Capscrew M8x20         6           46         0120100500         Plug 22x1.5         2           47         0120105900         Plug 21/8"         4           48         0120100200         Plug 22x1.5 Magnet         2           50         1260112200         Spacer (SSH2-21 only)	30	0110100200	Ball 3/8"	3
33         1130115200 1130116200         Shaft (SSH2-14) Shaft (SSH2-21)         1           34         0100601700         Needle Cage 50x55x20         1           35         0120107700         Plug m14x1.5         1           36         0080213700         O Ring 6150         2           37         0080213800         O Ring 3187         2           38         0080213600         O Ring 119         1           39         1210203800         Piston         1           40         1220104400         Fork         1           41         1210103000         Piston         1           42         0120104900         Plug 18x1.5         1           43         1240109400         Cover         1           44         012011500         Filler-Breather G 1/2"         1           45         0010107600         Capscrew M8x20         6           46         0120105900         Plug 22x1.5         2           50         1260112200         Spacer (SSH2-21 only)         1           51         0700204700         Snap Ring(SSH2-21 only)         1           51         0700204700         Snap Ring(SSH2-21 only)         1           52 </td <td>31</td> <td></td> <td></td> <td>1</td>	31			1
1130116200         Shaft (SSH2-21)           34         0100601700         Needle Cage 50x55x20         1           35         0120107700         Plug m14x1.5         1           36         0080213700         O Ring 6150         2           37         0080213800         O Ring 3187         2           38         0080213600         O Ring 119         1           39         1210203800         Piston         1           40         1220104400         Fork         1           41         1210103000         Piston         1           42         0120104900         Plug 18x1.5         1           43         1240109400         Cover         1           44         0120111500         Filler-Breather G 1/2"         1           45         0010107600         Capscrew M8x20         6           46         0120106500         Plug 22x1.5         2           47         0120105900         Plug G1/8"         4           48         0120100200         Plug 22x1.5 Magnet         2           50         1260112200         Spacer (SSH2-21 only)         1           51         0700204700         Snap Ring(SSH2-21 only) <t< td=""><td>32</td><td>1280100600</td><td>Coil Spring</td><td>3</td></t<>	32	1280100600	Coil Spring	3
35       0120107700       Plug m14x1.5       1         36       0080213700       O Ring 6150       2         37       0080213800       O Ring 3187       2         38       0080213600       O Ring 119       1         39       1210203800       Piston       1         40       1220104400       Fork       1         41       1210103000       Piston       1         42       0120104900       Plug 18x1.5       1         43       1240109400       Cover       1         44       0120111500       Filler-Breather G 1/2"       1         45       0010107600       Capscrew M8x20       6         46       0120106500       Plug 22x1.5       2         47       0120105900       Plug C1/8"       4         48       0120100200       Plug 22x1.5 Magnet       2         50       1260112200       Spacer (SSH2-21 only)       1         51       0700204700       Snap Ring(SSH2-21 only)       1         52       0040110800       Washer 14.5 x20x.5       1         53       0990016000       Indicator Switch       1         54       0040800200       Lockwasher 12.	33		,	1
36         0080213700         O Ring 6150         2           37         0080213800         O Ring 3187         2           38         0080213600         O Ring 119         1           39         1210203800         Piston         1           40         1220104400         Fork         1           41         1210103000         Piston         1           42         0120104900         Plug 18x1.5         1           43         1240109400         Cover         1           44         0120111500         Filler-Breather G 1/2"         1           45         0010107600         Capscrew M8x20         6           46         0120105900         Plug 22x1.5         2           47         0120105900         Plug C1/8"         4           48         0120100200         Plug 22x1.5 Magnet         2           50         1260112200         Spacer (SSH2-21 only)         1           51         0700204700         Snap Ring(SSH2-21 only)         1           52         0040110800         Washer 14.5 x20x.5         1           53         0990016000         Indicator Switch         1           54         0040800200	34	0100601700	Needle Cage 50x55x20	1
37         0080213800         O Ring 3187         2           38         0080213600         O Ring 119         1           39         1210203800         Piston         1           40         1220104400         Fork         1           41         1210103000         Piston         1           42         0120104900         Plug 18x1.5         1           43         1240109400         Cover         1           44         0120111500         Filler-Breather G 1/2"         1           45         0010107600         Capscrew M8x20         6           46         0120106500         Plug 22x1.5         2           47         0120105900         Plug G1/8"         4           48         0120100200         Plug 22x1.5 Magnet         2           50         1260112200         Spacer (SSH2-21 only)         1           51         0700204700         Snap Ring(SSH2-21 only)         1           52         0040110800         Washer 14.5 x20x.5         1           53         0990016000         Indicator Switch         1           54         0040800200         Lockwasher 12.5         16           55         1290113100 <td>35</td> <td>0120107700</td> <td>Plug m14x1.5</td> <td>1</td>	35	0120107700	Plug m14x1.5	1
38         0080213600         O Ring 119         1           39         1210203800         Piston         1           40         1220104400         Fork         1           41         1210103000         Piston         1           42         0120104900         Plug 18x1.5         1           43         1240109400         Cover         1           44         0120111500         Filler-Breather G 1/2"         1           45         0010107600         Capscrew M8x20         6           46         0120106500         Plug 22x1.5         2           47         0120105900         Plug G1/8"         4           48         0120100200         Plug 22x1.5 Magnet         2           50         1260112200         Spacer (SSH2-21 only)         1           51         0700204700         Snap Ring(SSH2-21 only)         1           52         0040110800         Washer 14.5 x20x.5         1           53         0990016000         Indicator Switch         1           54         0040800200         Lockwasher 12.5         16           55         1290113100         Gasket         4 <td>36</td> <td>0080213700</td> <td>O Ring 6150</td> <td>2</td>	36	0080213700	O Ring 6150	2
39         1210203800         Piston         1           40         1220104400         Fork         1           41         1210103000         Piston         1           42         0120104900         Plug 18x1.5         1           43         1240109400         Cover         1           44         0120111500         Filler-Breather G 1/2"         1           45         0010107600         Capscrew M8x20         6           46         0120106500         Plug 22x1.5         2           47         0120105900         Plug G1/8"         4           48         0120100200         Plug 22x1.5 Magnet         2           50         1260112200         Spacer (SSH2-21 only)         1           51         0700204700         Snap Ring(SSH2-21 only)         1           51         0700204700         Switch Kit (item 52&53)         5           52         0040110800         Washer 14.5 x20x.5         1           53         0990016000         Indicator Switch         1           54         0040800200         Lockwasher 12.5         16           55         1290113100         Gasket         4	37	0080213800	O Ring 3187	2
40         1220104400         Fork         1           41         1210103000         Piston         1           42         0120104900         Plug 18x1.5         1           43         1240109400         Cover         1           44         0120111500         Filler-Breather G 1/2"         1           45         0010107600         Capscrew M8x20         6           46         0120106500         Plug 22x1.5         2           47         0120105900         Plug G1/8"         4           48         0120100200         Plug 22x1.5 Magnet         2           50         1260112200         Spacer (SSH2-21 only)         1           51         0700204700         Snap Ring(SSH2-21 only)         1           52         0040110800         Washer 14.5 x20x.5         1           53         0990016000         Indicator Switch         1           54         0040800200         Lockwasher 12.5         16           55         1290113100         Gasket         4	38	0080213600	O Ring 119	1
41       1210103000       Piston       1         42       0120104900       Plug 18x1.5       1         43       1240109400       Cover       1         44       0120111500       Filler-Breather G 1/2"       1         45       0010107600       Capscrew M8x20       6         46       0120106500       Plug 22x1.5       2         47       0120105900       Plug G1/8"       4         48       0120100200       Plug 22x1.5 Magnet       2         50       1260112200       Spacer (SSH2-21 only)       1         51       0700204700       Snap Ring(SSH2-21 only)       1         51       0700204700       Switch Kit (item 52&53)       1         52       0040110800       Washer 14.5 x20x.5       1         53       0990016000       Indicator Switch       1         54       0040800200       Lockwasher 12.5       16         55       1290113100       Gasket       4	39	1210203800	Piston	1
42         0120104900         Plug 18x1.5         1           43         1240109400         Cover         1           44         0120111500         Filler-Breather G 1/2"         1           45         0010107600         Capscrew M8x20         6           46         0120106500         Plug 22x1.5         2           47         0120105900         Plug G1/8"         4           48         0120100200         Plug 22x1.5 Magnet         2           50         1260112200         Spacer (SSH2-21 only)         1           51         0700204700         Snap Ring(SSH2-21 only)         1           52         0040110800         Washer 14.5 x20x.5         1           53         0990016000         Indicator Switch         1           54         0040800200         Lockwasher 12.5         16           55         1290113100         Gasket         4	40	1220104400	Fork	1
43         1240109400         Cover         1           44         0120111500         Filler-Breather G 1/2"         1           45         0010107600         Capscrew M8x20         6           46         0120106500         Plug 22x1.5         2           47         0120105900         Plug G1/8"         4           48         0120100200         Plug 22x1.5 Magnet         2           50         1260112200         Spacer (SSH2-21 only)         1           51         0700204700         Snap Ring(SSH2-21 only)         1           51         0700204700         Switch Kit (item 52&53)         1           52         0040110800         Washer 14.5 x20x.5         1           53         0990016000         Indicator Switch         1           54         0040800200         Lockwasher 12.5         16           55         1290113100         Gasket         4	41	1210103000	Piston	1
44         0120111500         Filler-Breather G 1/2"         1           45         0010107600         Capscrew M8x20         6           46         0120106500         Plug 22x1.5         2           47         0120105900         Plug G1/8"         4           48         0120100200         Plug 22x1.5 Magnet         2           50         1260112200         Spacer (SSH2-21 only)         1           51         0700204700         Snap Ring(SSH2-21 only)         1           51         0700204700         Snap Ring(SSH2-21 only)         1           52         0040110800         Washer 14.5 x20x.5         1           53         0990016000         Indicator Switch         1           54         0040800200         Lockwasher 12.5         16           55         1290113100         Gasket         4	42	0120104900	Plug 18x1.5	1
45         0010107600         Capscrew M8x20         6           46         0120106500         Plug 22x1.5         2           47         0120105900         Plug G1/8"         4           48         0120100200         Plug 22x1.5 Magnet         2           50         1260112200         Spacer (SSH2-21 only)         1           51         0700204700         Snap Ring(SSH2-21 only)         1           51         0700204700         Switch Kit (item 52&53)         1           52         0040110800         Washer 14.5 x20x.5         1           53         0990016000         Indicator Switch         1           54         0040800200         Lockwasher 12.5         16           55         1290113100         Gasket         4	43	1240109400	Cover	1
46         0120106500         Plug 22x1.5         2           47         0120105900         Plug G1/8"         4           48         0120100200         Plug 22x1.5 Magnet         2           50         1260112200         Spacer (SSH2-21 only)         1           51         0700204700         Snap Ring(SSH2-21 only)         1           51         0700204700         Snap Ring(SSH2-21 only)         1           52         0040110800         Washer 14.5 x20x.5         1           53         0990016000         Indicator Switch         1           54         0040800200         Lockwasher 12.5         16           55         1290113100         Gasket         4	44	0120111500	Filler-Breather G 1/2"	1
47         0120105900         Plug G1/8"         4           48         0120100200         Plug 22x1.5 Magnet         2           50         1260112200         Spacer (SSH2-21 only)         1           51         0700204700         Snap Ring(SSH2-21 only)         1           51         0700204700         Switch Kit (item 52&53)         1           52         0040110800         Washer 14.5 x20x.5         1           53         0990016000         Indicator Switch         1           54         0040800200         Lockwasher 12.5         16           55         1290113100         Gasket         4	45	0010107600	Capscrew M8x20	6
48         0120100200         Plug 22x1.5 Magnet         2           50         1260112200         Spacer (SSH2-21 only)         1           51         0700204700         Snap Ring(SSH2-21 only)         1           52         0040110800         Switch Kit (item 52&53)         1           52         0040110800         Washer 14.5 x20x.5         1           53         0990016000         Indicator Switch         1           54         0040800200         Lockwasher 12.5         16           55         1290113100         Gasket         4	46	0120106500	Plug 22x1.5	2
50         1260112200         Spacer (SSH2-21 only)         1           51         0700204700         Snap Ring(SSH2-21 only)         1           51         0700204700         Snap Ring(SSH2-21 only)         1           0         On Request         2         2           2053310000         Switch Kit (item 52&53)         1           52         0040110800         Washer 14.5 x20x.5         1           53         0990016000         Indicator Switch         1           54         0040800200         Lockwasher 12.5         16           55         1290113100         Gasket         4	47	0120105900	Plug G1/8"	4
51         0700204700         Snap Ring(SSH2-21 only)         1           On Request         2053310000         Switch Kit (item 52&53)           52         0040110800         Washer 14.5 x20x.5         1           53         0990016000         Indicator Switch         1           54         0040800200         Lockwasher 12.5         16           55         1290113100         Gasket         4	48	0120100200	Plug 22x1.5 Magnet	2
On Request           2053310000         Switch Kit (item 52&53)           52         0040110800         Washer 14.5 x20x.5         1           53         0990016000         Indicator Switch         1           54         0040800200         Lockwasher 12.5         16           55         1290113100         Gasket         4	50	1260112200	Spacer (SSH2-21 only)	1
2053310000         Switch Kit (item 52&53)           52         0040110800         Washer 14.5 x20x.5         1           53         0990016000         Indicator Switch         1           54         0040800200         Lockwasher 12.5         16           55         1290113100         Gasket         4	51	0700204700	Snap Ring(SSH2-21 only)	1
52         0040110800         Washer 14.5 x20x.5         1           53         0990016000         Indicator Switch         1           54         0040800200         Lockwasher 12.5         16           55         1290113100         Gasket         4			On Request	
53         0990016000         Indicator Switch         1           54         0040800200         Lockwasher 12.5         16           55         1290113100         Gasket         4		2053310000	Switch Kit (item 52&53)	
54         0040800200         Lockwasher 12.5         16           55         1290113100         Gasket         4	52	0040110800	Washer 14.5 x20x.5	1
55 1290113100 Gasket 4	53	0990016000	Indicator Switch	1
	54	0040800200	Lockwasher 12.5	16
56 0120111400 Plug G1/4 1	55	1290113100	Gasket	4
	56	0120111400	Plug G1/4	1







I2477-08 SplitShaft SSH-SSV.doc



### **SSV\* SERIES**

ITEM         Part Number         Description         Qty.           1         0080213800         O-ring 6150(Viton)         2           2         0080213700         O-ring 6150(Viton)         2           3         1080100100         Air Cylinder         2           4         0070102200         Snap ring         1           5         0070500200         Snap ring         2           6         111031700         Gear 50T (SSV*14)         1           11110310900         Gear 50T (SSV*-14)         1           7         0100104000         Bearing 6313 (SSV*-14)         1           1130115100         Input Shaft (SSV*-21)         1         1           9         1130115100         Input Shaft (SSV*-21)         1         1           10         0080019100         Shaft Seal 90x110x12         2         2           11         1270212200         Retaining Ring         2         1         1110114800 Gear 42T (SSV4)         1           11110114800         Gear 42T (SSV4)         1         1         1110114800 Gear 42T (SSV4)         1           16         1270204300         Shaft Support (SSV4)         1         1         1           10105014000	221	" SERIES		
2         0080213700         O-ring 6150(Viton)         2           3         1080100100         Air Cylinder         2           4         0070102200         Snap ring         1           5         0070500200         Snap ring         2           6         1110310700         Gear 50T (SSV*-14)         1           1110310900         Gear 50T (SSV*-21)         1           7         0100104200         Bearing 6313 (SSV*-14)         1           0100302100         Bearing 1216(SSV*-21)         1           9         1130115100         Input Shaft (SSV*-21)         1           10         00080109100         Shaft Seal 90x110x12         2           11         1270212200         Retaining Ring         2           12         00070204600         Snap ring         2           13         0080214000         O-ring (Viton)         2           14         11110114800         Gear 427 (SSV4)         1           15         1130204300         Shaft (Intermediate) (SSV2)         1           11110114800         Gear 427 (SSV4)         1         1           17         1170207100         Splined Sleeve         1           18         113	ITEM	Part Number	Description	Qty.
3         1080100100         Air Cylinder         2           4         0070102200         Snap ring         1           5         0070500200         Snap ring         2           6         1110310900         Gear 50T (SSV*-14)         1           1110310900         Gearing 6313 (SSV*-14)         1           7         0100104000         Bearing NJ 216(SSV*-21)         1           9         1130115100         Input Shaft (SSV*-14)         1           10         0080109100         Shaft Seal 90x110x12         2           11         12700212200         Retaining Ring         2           12         0070204600         Snap ring         2           13         0080214000         O-ring (Viton)         2           14         11110114800         Gear (Intermediate) 40T (SSV2)         1           11302043000         Shaft (SSV4)         1         1           15         11302043000         Shaft Support (SSV4)         1           17         1170207100         Splined Sleeve         1           18         11302044000         Output Shaft         1           17         1170207100         Splined Sleeve         1           18 </td <td>1</td> <td>0080213800</td> <td>O-ring 3187(Viton)</td> <td>2</td>	1	0080213800	O-ring 3187(Viton)	2
4         0070102200         Snap ring         1           5         0070500200         Snap ring         2           6         1110310700         Gear 50T (SSV*-14)         1           1110310900         Gear 50T (SSV*-14)         1           7         0100104200         Bearing 6313 (SSV*-14)         1           9         1130115100         Input Shaft (SSV*-14)         1           10         0080109100         Shap ring         2           11         1270212200         Retaining Ring         2           12         0070204600         Snap ring         2           13         0080214000         Oring (Viton)         2           14         1111011200         Gear (Intermediate) 40T (SSV2)         1           1130204300         Shaft (SSV4)         1         1           15         1130204300         Shaft Support (SSV4)         1           16         1270207900         Shaft Support (SSV4)         1           17         1170207100         Splined Sleeve         1           18         11302044000         Output Shaft         1           19         1010501400         Housing         1           20         127	2	0080213700	O-ring 6150(Viton)	2
5         0070500200         Snap ring         2           6         1110310700         Gear 50T (SSV*-14)         1           1110310900         Gear 50T (SSV*-21)         1           7         0100104000         Bearing 6313 (SSV*-14)         1           1         0100104000         Bearing G313 (SSV*-21)         1           9         1130115100         Input Shaft (SSV*-21)         1           10         0080109100         Shaft Seal 90x110x12         2           11         1270212200         Retaining Ring         2           12         0070204600         Snap ring         2           14         1111011400         Gear (Intermediate) 40T (SSV2)         1           1110114800         Gear 42T (SSV4)         1         1           11110114800         Gear 42T (SSV4)         1         1           117         1170207100         Splined Sleeve         1         1     <	3	1080100100	Air Cylinder	2
6         1110310700         Gear 50T (SSV*-14)         1           7         0100104200         Bearing 6313 (SSV*-14)         1           8         0100104000         Bearing 6313 (SSV*-14)         1           9         1130116100         Input Shaft (SSV*-21)         1           10         0080109100         Shaft (SSV*-21)         1           10         0080109100         Shaft (SSV*-21)         1           11         1270212200         Retaining Ring         2           11         1270212200         Retaining Ring         2           13         0080214000         O-ring (Viton)         2           14         1111011200         Gear (Intermediate) 40T (SSV2)         1           11140102000         Shaft (Intermediate) (SSV2)         1         1140102000           14         1110114800         Gear 42T (SSV4)         1         1           17         1170207100         Splined Sleeve         1         1           18         1130204000         Output Shaft         1         1           19         1010501400         Housing         1         1           20         1270207900         Ring         1         1	4	0070102200	Snap ring	1
6         1110310700         Gear 50T (SSV*-14)         1           7         0100104200         Bearing 6313 (SSV*-14)         1           8         0100104000         Bearing 6313 (SSV*-14)         1           9         1130116100         Input Shaft (SSV*-21)         1           10         0080109100         Shaft (SSV*-21)         1           10         0080109100         Shaft (SSV*-21)         1           11         1270212200         Retaining Ring         2           11         1270212200         Retaining Ring         2           13         0080214000         O-ring (Viton)         2           14         1111011200         Gear (Intermediate) 40T (SSV2)         1           11140102000         Shaft (Intermediate) (SSV2)         1         1140102000           14         1110114800         Gear 42T (SSV4)         1         1           17         1170207100         Splined Sleeve         1         1           18         1130204000         Output Shaft         1         1           19         1010501400         Housing         1         1           20         1270207900         Ring         1         1	5	0070500200	Snap ring	2
1110310900         Gear 50T (SSV*-21)           7         0100104200         Bearing 6217         1           8         0100104000         Bearing 6313 (SSV*-14)         1           9         1130115100         Input Shaft (SSV*-21)         1           10         0080109100         Shaft Seal 90x110x12         2           11         1270212200         Retaining Ring         2           12         0070204600         Snap ring         2           13         0080214000         O-ring (Viton)         2           14         1111011200         Gear (Intermediate) 40T (SSV2)         1           11140102000         Shaft (SSV4)         1         1           15         1130204300         Shaft (SSV4)         1           16         1270204300         Centering Ring (SSV2)         2           16a         1250301300         Shaft Support (SSV4)         1           17         1170207100         Splined Sleeve         1           18         1130204000         Output Shaft         1           19         1010501400         Housing         1           20         1270207900         Ring         2           21         1280107500 <td>6</td> <td></td> <td></td> <td>1</td>	6			1
8         0100104000         Bearing 6313 (SSV*-14)         1           9         1130115100         Input Shaft (SSV*-21)         1           10         0080109100         Shaft Seal 90x110x12         2           11         1270212200         Retaining Ring         2           12         0070204600         Snap ring         2           13         0080214000         O-ring (Viton)         2           14         11110114800         Gear (Intermediate) 40T (SSV2)         1           115         1130204300         Shaft (Intermediate) (SSV2)         1           16         1270204300         Centering Ring (SSV2)         2           16a         1250301300         Shaft (SSV4)         1           17         1170207100         Splined Sleeve         1           18         1130204000         Output Shaft         1           20         1270207900         Ring         1           21         1280107500         Spring         2           22         0100501400         Housing         1           21         1280107500         Spring         2           22         0100501700         Washer 13.5x19x1.5         1           <				
0100302100         Bearing NJ 216(SSV*-21)           9         1130115100         Input Shaft (SSV*-14)         1           10         0080109100         Shaft Seal 90x110x12         2           11         1270212200         Retaining Ring         2           12         0070204600         Snap ring         2           13         0080214000         O-ring (Viton)         2           14         1111011200         Gear (Intermediate) 40T (SSV2)         1           1130204300         Shaft (Intermediate) (SSV2)         1         1           14         1110114800         Gear (Intermediate) (SSV2)         2           16a         1270204300         Shaft Support (SSV4)         1           17         1170207100         Splined Sleeve         1           18         1130204000         Output Shaft         1           19         1010501400         Housing         1           20         1270207900         Ring         2           21         1280107500         Spring         2           22         0100502700         Bearing 32010X         2           23         0060101800         Key 14x9x40         3           24         004			•	
9         1130115100         Input Shaft (SSV*-14)         1           10         0080109100         Shaft Seal 90x110x12         2           11         1270212200         Retaining Ring         2           12         0070204600         Snap ring         2           13         0080214000         O-ring (Viton)         2           14         1111011200         Gear (Intermediate) 40T (SSV2)         1           1110114800         Shaft (IsSV4)         1         1           14         1110012000         Shaft (IsSV4)         1           16         1270204300         Centering Ring (SSV2)         2           16a         1250301300         Shaft Support (SSV4)         1           17         1170207100         Splined Sleeve         1           18         1130204000         Output Shaft         1           20         1270207900         Ring         1           21         1280107500         Spring         2           22         0100502700         Bearing 32010X         2           23         0060110800         Key 14x9x40         3           24         0040107700         Washer 13.5x19x1.5         1           25	8			1
10         0080109100         Shaft Seal 90x110x12         2           11         1270212200         Retaining Ring         2           12         0070204600         Snap ring         2           13         0080214000         O-ring (Viton)         2           14         1111011200         Gear (Intermediate) 40T (SSV2)         1           1110114800         Gear 42T (SSV4)         1           15         1130204300         Shaft (Intermediate) (SSV2)         2           16a         1270204300         Centering Ring (SSV4)         1           17         1170207100         Splined Sleeve         1           18         1130204000         Output Shaft         1           20         1270207900         Ring         1           21         1280107500         Spring         2           22         0100502700         Bearing 32010X         2           23         0060101800         Key 14x9x40         3           24         0040107700         Washer 13.5x19x1.5         1           25         1300302900         Plug G1/4"         1           26         111101800         Gear 32T (SSV4)         1           21         1	9	1130115100	Input Shaft (SSV*-14)	1
11         1270212200         Retaining Ring         2           12         0070204600         Snap ring         2           13         0080214000         O-ring (Viton)         2           14         1111011200         Gear (Intermediate) 40T (SSV2)         1           11100114800         Gear 42T (SSV4)         1           15         1130204300         Shaft (Intermediate) (SSV2)         2           16a         1270204300         Centering Ring (SSV2)         2           16a         1250301300         Shaft Support (SSV4)         1           17         1170207100         Splined Sleeve         1           18         1130204000         Output Shaft         1           20         1270207900         Ring         1           21         1280107500         Spring         2           22         0100502700         Bearing 32010X         2           23         0060110800         Key 14x9x40         3           24         0040107700         Washer 13.5x19x1.5         1           25         1300302900         Plug G1/4"         1           26         10120113200         Ring         2           28         01201115				
12         0070204600         Snap ring         2           13         0080214000         O-ring (Viton)         2           14         1111011200         Gear (Intermediate) 40T (SSV2)         1           15         1130204300         Shaft (Intermediate) (SSV2)         1           14         1110114800         Gear 42T (SSV4)         1           16         1270204300         Shaft (SSV4)         1           17         1170207100         Splined Sleeve         1           18         1130204000         Output Shaft         1           19         1010501400         Housing         1           20         1270207900         Ring         1           21         1280107500         Spring         2           23         0060101800         Key 14x940         3           24         0040107700         Washer 13.5x19x1.5         1           25         1300302900         Plug G1/4"         1           26         111010800         Gear 32T (SSV4)         1           27         1260113200         Ring         2         2           28         0120111500         Breather Plug G1/2"         1         1				
13         0080214000         O-ring (Viton)         2           14         1111011200         Gear (Intermediate) 40T (SSV2)         1           1110114800         Gear 42T (SSV4)         1           15         1130204300         Shaft (Intermediate) (SSV2)         2           16         1270204300         Shaft Support (SSV4)         1           17         1170207100         Splined Sleeve         1           18         1130204000         Output Shaft         1           19         1010501400         Housing         1           20         1270207900         Ring         2           21         1280107500         Spring         2           23         0060101800         Key 14x9x40         3           24         0040107700         Washer 13.5x19x1.5         1           25         1300302900         Plug G1/4"         1           26         111101800         Gear 32T (SSV4)         1           27         1260113200         Ring         2         2           28         0120111500         Breather Plug G1/2"         1         1           29         0080211900         O-ring 3770(Viton)         4         3 </td <td></td> <td></td> <td></td> <td></td>				
14         1111011200         Gear (Intermediate) 40T (SSV2)         1           14         1110114800         Gear (Intermediate) (SSV2)         1           15         1130204300         Shaft (Intermediate) (SSV2)         1           16         1270204300         Shaft Support (SSV4)         1           17         1170207100         Splined Sleeve         1           18         1130204000         Output Shaft         1           19         1010501400         Housing         1           20         1270207900         Ring         2           21         1280107500         Spring         2           23         0060101800         Key 14x9x40         3           24         0040107700         Washer 13.5x19x1.5         1           25         1300302900         Plug G1/4"         1           26         111101800         Gear 32T (SSV4)         1           27         1260113200         Ring         2         2           28         0120111500         Breather Plug G1/2"         1         1           29         0080211900         O-ring 6275(Viton)         4         30           30         0070201200         Snap ring <td>12</td> <td></td> <td></td> <td></td>	12			
1110114800         Gear 42T (SSV4)           15         1130204300         Shaft (Intermediate) (SSV2)         1           16         1270204300         Centering Ring (SSV2)         2           16a         1250301300         Shaft Support (SSV4)         1           17         1170207100         Splined Sleeve         1           18         1130204000         Output Shaft         1           19         1010501400         Housing         1           20         1270207900         Ring         1           21         1280107500         Spring         2           23         0060101800         Key 14x9x40         3           24         0040107700         Washer 13.5x19x1.5         1           25         1300302900         Plug G1/4"         1           26         111101800         Gear 32T (SSV4)         1           27         1260113200         Ring         2         2           28         0120111500         Breather Plug G1/2"         1         1           29         0080216300         O-ring 3770(Viton)         4         3           31         1240111000         Cover         4         3	13		3 ( )	2
15         1130204300         Shaft (Intermediate) (SSV2)         1           16         1270204300         Centering Ring (SSV2)         2           16a         1250301300         Shaft Support (SSV4)         1           17         1170207100         Splined Sleeve         1           18         1130204000         Output Shaft         1           19         1010501400         Housing         1           20         1270207900         Ring         1           21         1280107500         Spring         2           23         0060101800         Key 14x9x40         3           24         0040107700         Washer 13.5x19x1.5         1           25         1300302900         Plug G1/4"         1           26         1111010800         Gear (Output) 39T (SSV2)         1           1111011800         Gear 32T (SSV4)         2         2           28         0120111500         Breather Plug G1/2"         1           29         0080211900         O-ring 3770(Viton)         4           30         0080216300         Spacer         2           33         0070101600         Snap ring         6           36	14			1
1140102000         Shaft (SSV4)           16         1270204300         Centering Ring (SSV2)         2           16a         1250301300         Shaft Support (SSV4)         1           17         1170207100         Splined Sleeve         1           18         1130204000         Output Shaft         1           19         1010501400         Housing         1           20         1270207900         Ring         1           21         1280107500         Spring         2           23         0060101800         Key 14x9x40         3           24         0040107700         Washer 13.5x19x1.5         1           25         1300302900         Plug G1/4"         1           26         0120111000         Gear 32T (SSV4)         1           27         1260113200         Ring         2         2           28         0120111500         Breather Plug G1/2"         1         1           29         0080216300         O-ring 3770(Viton)         4         30           30         0080216300         C-ring 3770(Viton)         4         32           31         1240111000         Cover         4         32	15	1110114800	Gear 421 (SSV4) Shaft (Intermediate) (SSV2)	1
16a         1250301300         Shaft Support (SSV4)         1           17         1170207100         Splined Sleeve         1           18         1130204000         Output Shaft         1           19         1010501400         Housing         1           20         1270207900         Ring         1           21         1280107500         Spring         2           22         0100502700         Bearing 32010X         2           23         0060101800         Key 14x9x40         3           24         0040107700         Washer 13.5x19x1.5         1           25         1300302900         Plug G1/4"         1           26         111101800         Gear (Output) 39T (SSV2)         1           1111011800         Gear 32T (SSV4)         2         2           28         0120111500         Breather Plug G1/2"         1           29         0080216300         O-ring 3770(Viton)         4           30         0080216300         O-ring 3770(Viton)         4           31         1240111000         Cover         4           32         1260108500         Spacer         2           33         0070201200	15			1
17       1170207100       Splined Sleeve       1         18       1130204000       Output Shaft       1         19       1010501400       Housing       1         20       1270207900       Ring       1         21       1280107500       Spring       2         22       0100502700       Bearing 32010X       2         23       0060101800       Key 14x9x40       3         24       0040107700       Washer 13.5x19x1.5       1         25       1300302900       Plug G1/4"       1         26       111101800       Gear (Output) 39T (SSV2)       1         1111011800       Gear 32T (SSV4)       2       2         28       0120111500       Breather Plug G1/2"       1         29       0080216300       O-ring 3770(Viton)       4         30       0080216300       O-ring 3770(Viton)       4         31       1240111000       Cover       4         32       1260108500       Spacer       2         33       0070101600       Snap ring       6         36       0040800200       Lockwasher 12.5       16         37       0100502900       Bearing - Intermedi	16			2
18         1130204000         Output Shaft         1           19         1010501400         Housing         1           20         1270207900         Ring         1           21         1280107500         Spring         2           22         0100502700         Bearing 32010X         2           23         0060101800         Key 14x9x40         3           24         0040107700         Washer 13.5x19x1.5         1           25         1300302900         Plug G1/4"         1           26         111101800         Gear (Output) 39T (SSV2)         1           1111011800         Gear 32T (SSV4)         1         2           27         1260113200         Ring         2         2           28         0120111500         Breather Plug G1/2"         1         1           29         0080216300         O-ring 6275(Viton)         4         30         0080216300         Spacer         2           33         0070101600         Snap ring         2         33         0070101600         Snap ring         2           34         1210202500         Piston         2         35         0070201200         Snap ring         6	16a	1250301300	Shaft Support (SSV4)	1
19       1010501400       Housing       1         20       1270207900       Ring       1         21       1280107500       Spring       2         22       0100502700       Bearing 32010X       2         23       0060101800       Key 14x9x40       3         24       0040107700       Washer 13.5x19x1.5       1         25       1300302900       Plug G1/4"       1         26       111101800       Gear (Output) 39T (SSV2)       1         1111011800       Gear 22T (SSV4)       2       2         27       1260113200       Ring       2       2         28       0120111500       Breather Plug G1/2"       1       1         29       0080216300       O-ring 6275(Viton)       4       30       0080216300       Spacer       2         33       0070101600       Snap ring       2       34       1260108500       Spacer       2         34       1210202500       Piston       2       35       0070201200       Snap ring       6         36       0040800200       Lockwasher 12.5       16       37       1250301400       Shaft Support (SSV4)       1         38	17	1170207100	Splined Sleeve	1
20         1270207900         Ring         1           21         1280107500         Spring         2           22         0100502700         Bearing 32010X         2           23         0060101800         Key 14x9x40         3           24         0040107700         Washer 13.5x19x1.5         1           25         1300302900         Plug G1/4"         1           26         111101800         Gear (Output) 39T (SSV2)         1           1111011800         Gear 32T (SSV4)         1           27         1260113200         Ring         2           28         0120111500         Breather Plug G1/2"         1           29         0080211900         O-ring 6275(Viton)         4           30         0080216300         O-ring 3770(Viton)         4           31         1240111000         Cover         4           32         1260108500         Spacer         2           33         0070101600         Snap ring         2           34         1210202500         Piston         2           35         0070201200         Snap ring         6           36         0040800200         Lockwasher 12.5 <td< td=""><td>18</td><td>1130204000</td><td>Output Shaft</td><td>1</td></td<>	18	1130204000	Output Shaft	1
21         1280107500         Spring         2           22         0100502700         Bearing 32010X         2           23         0060101800         Key 14x9x40         3           24         0040107700         Washer 13.5x19x1.5         1           25         1300302900         Plug G1/4"         1           26         1111010800         Gear (Output) 39T (SSV2)         1           1111011800         Gear 32T (SSV4)         1           27         1260113200         Ring         2           28         0120111500         Breather Plug G1/2"         1           29         0080216300         O-ring 6275(Viton)         4           30         0080216300         O-ring 3770(Viton)         4           31         1240111000         Cover         4           32         1260108500         Spacer         2           33         0070101600         Snap ring         6           36         0040800200         Lockwasher 12.5         16           37         0100502900         Bearing - Intermediate Shaft         2           37a         1250301400         Shaft Support (SSV4)         1           38         0030101900 <td>19</td> <td>1010501400</td> <td>Housing</td> <td>1</td>	19	1010501400	Housing	1
22         0100502700         Bearing 32010X         2           23         0060101800         Key 14x9x40         3           24         0040107700         Washer 13.5x19x1.5         1           25         1300302900         Plug G1/4"         1           26         111101800         Gear (Output) 39T (SSV2)         1           1111011800         Gear 32T (SSV4)         1           27         1260113200         Ring         2           28         0120111500         Breather Plug G1/2"         1           29         0080211900         O-ring 6275(Viton)         4           30         0080216300         O-ring 3770(Viton)         4           31         1240111000         Cover         4           32         1260108500         Spacer         2           33         0070101600         Snap ring         6           34         1210202500         Piston         2           35         0070201200         Snap ring         6           36         0040800200         Lockwasher 12.5         16           37         0100502900         Bearing - Intermediate Shaft         2           37a         1250301400         <	20	1270207900	Ring	1
22         0100502700         Bearing 32010X         2           23         0060101800         Key 14x9x40         3           24         0040107700         Washer 13.5x19x1.5         1           25         1300302900         Plug G1/4"         1           26         1111010800         Gear (Output) 39T (SSV2)         1           1111011800         Gear 32T (SSV4)         1           27         1260113200         Ring         2           28         0120111500         Breather Plug G1/2"         1           29         0080211900         O-ring 6275(Viton)         4           30         0080216300         O-ring 3770(Viton)         4           31         1240111000         Cover         4           32         1260108500         Spacer         2           33         0070101600         Snap ring         6           34         1210202500         Piston         2           35         0070201200         Snap ring         6           36         0040800200         Lockwasher 12.5         16           37         0100502900         Bearing - Intermediate Shaft         2           37a         1250301400	21	1280107500	Spring	2
23         0060101800         Key 14x9x40         3           24         0040107700         Washer 13.5x19x1.5         1           25         1300302900         Plug G1/4"         1           26         1111010800         Gear (Output) 39T (SSV2)         1           1111011800         Gear 32T (SSV4)         1           27         1260113200         Ring         2           28         0120111500         Breather Plug G1/2"         1           29         0080211900         O-ring 6275(Viton)         4           30         0080216300         O-ring 3770(Viton)         4           31         1240111000         Cover         4           32         1260108500         Spacer         2           33         0070101600         Snap ring         2           34         1210202500         Piston         2           35         0070201200         Snap ring         6           36         0040800200         Lockwasher 12.5         16           37         0100502900         Bearing - Intermediate Shaft         2           37a         1250301400         Shaft Support (SSV4)         1           38         003011900	22			2
24         0040107700         Washer 13.5x19x1.5         1           25         1300302900         Plug G1/4"         1           26         1111010800         Gear (Output) 39T (SSV2)         1           1111011800         Gear 32T (SSV4)         2           27         1260113200         Ring         2           28         0120111500         Breather Plug G1/2"         1           29         0080211900         O-ring 6275(Viton)         4           30         0080216300         O-ring 3770(Viton)         4           31         1240111000         Cover         4           32         1260108500         Spacer         2           33         0070101600         Snap ring         2           34         1210202500         Piston         2           35         0070201200         Snap ring         6           36         0040800200         Lockwasher 12.5         16           37         0100502900         Bearing - Intermediate Shaft         2           37a         1250301400         Shaft Support (SSV4)         1           38         0030101900         Hex Nut M12         16           38         0030214200	23		-	3
25       1300302900       Plug G1/4"       1         26       111101800       Gear (Output) 39T (SSV2)       1         1111011800       Gear 32T (SSV4)       2         27       1260113200       Ring       2         28       0120111500       Breather Plug G1/2"       1         29       0080216300       O-ring 6275(Viton)       4         30       0080216300       O-ring 3770(Viton)       4         31       1240111000       Cover       4         32       1260108500       Spacer       2         33       0070101600       Snap ring       2         34       1210202500       Piston       2         35       0070201200       Snap ring       6         36       0040800200       Lockwasher 12.5       16         37       0100502900       Bearing - Intermediate Shaft       2         37a       1250301400       Shaft Support (SSV4)       1         38       0030101900       Hex Nut M12       16         38a       0080214200       0 ring (SSV4)       2         39       1170208000       Splined Sleeve       1         40       0110100200       Ball	24			1
26         1111010800         Gear (Output) 39T (SSV2)         1           27         1260113200         Ring         2           28         0120111500         Breather Plug G1/2"         1           29         0080211900         O-ring 6275(Viton)         4           30         0080216300         O-ring 3770(Viton)         4           31         1240111000         Cover         4           32         1260108500         Spacer         2           33         0070101600         Snap ring         2           34         1210202500         Piston         2           35         0070201200         Snap ring         6           36         0040800200         Lockwasher 12.5         16           37         0100502900         Bearing - Intermediate Shaft         2           37a         1250301400         Shaft Support (SSV4)         1           38         0030101900         Hex Nut M12         16           38a         0080214200         O ring (SSV4)         2           39         1170208000         Splined Sleeve         1           40         0110100200         Ball         3           41         01001041	25			1
1111011800         Gear 32T (SSV4)           27         1260113200         Ring         2           28         0120111500         Breather Plug G1/2"         1           29         0080211900         O-ring 6275(Viton)         4           30         0080216300         O-ring 3770(Viton)         4           31         1240111000         Cover         4           32         1260108500         Spacer         2           33         0070101600         Snap ring         2           34         1210202500         Piston         2           35         0070201200         Snap ring         6           36         0040800200         Lockwasher 12.5         16           37         0100502900         Bearing - Intermediate Shaft         2           37a         1250301400         Shaft Support (SSV4)         1           38a         00300101900         Hex Nut M12         16           38a         0030214200         O ring (SSV4)         2           39         1170208000         Splined Sleeve         1           40         0110100200         Ball         3           41         0100104100         Bearing Main Shaft 6313(SS			•	1
28         0120111500         Breather Plug G1/2"         1           29         0080211900         O-ring 6275(Viton)         4           30         0080216300         O-ring 3770(Viton)         4           31         1240111000         Cover         4           32         1260108500         Spacer         2           33         0070101600         Snap ring         2           34         1210202500         Piston         2           35         0070201200         Snap ring         6           36         0040800200         Lockwasher 12.5         16           37         0100502900         Bearing - Intermediate Shaft         2           37a         1250301400         Shaft Support (SSV4)         1           38a         0080214200         O ring (SSV4)         2           39         1170208000         Splined Sleeve         1           40         0110100200         Ball         3           41         0100104100         Bearing Main Shaft 6313(SSV*-         1           1000302200         Bearing Main Shaft 216(SSV*-21)         1		1111011800	Gear 32T (SSV4)	-
29         0080211900         O-ring 6275(Viton)         4           30         0080216300         O-ring 3770(Viton)         4           31         1240111000         Cover         4           32         1260108500         Spacer         2           33         0070101600         Snap ring         2           34         1210202500         Piston         2           35         0070201200         Snap ring         6           36         0040800200         Lockwasher 12.5         16           37         0100502900         Bearing - Intermediate Shaft         2           37a         1250301400         Shaft Support (SSV4)         1           38         0030101900         Hex Nut M12         16           38a         0080214200         O ring (SSV4)         2           39         1170208000         Splined Sleeve         1           40         0110100200         Ball         3           41         0100104100         Bearing Main Shaft 6313(SSV*- 1         14)           0100302200         Bearing Main Shaft 216(SSV*-21)         1	27	1260113200	Ring	2
30         0080216300         O-ring 3770(Viton)         4           31         1240111000         Cover         4           32         1260108500         Spacer         2           33         0070101600         Snap ring         2           34         1210202500         Piston         2           35         0070201200         Snap ring         6           36         0040800200         Lockwasher 12.5         16           37         0100502900         Bearing - Intermediate Shaft         2           37a         1250301400         Shaft Support (SSV4)         1           38         0030101900         Hex Nut M12         16           38a         0080214200         O ring (SSV4)         2           39         1170208000         Splined Sleeve         1           40         0110100200         Ball         3           41         0100104100         Bearing Main Shaft 6313(SSV*- 1         1           0100302200         Bearing Main Shaft 216(SSV*-21)         1	28	0120111500	Breather Plug G1/2"	1
31         1240111000         Cover         4           32         1260108500         Spacer         2           33         0070101600         Snap ring         2           34         1210202500         Piston         2           35         0070201200         Snap ring         6           36         0040800200         Lockwasher 12.5         16           37         0100502900         Bearing - Intermediate Shaft         2           37a         1250301400         Shaft Support (SSV4)         1           38         0030101900         Hex Nut M12         16           38a         0080214200         O ring (SSV4)         2           39         1170208000         Splined Sleeve         1           40         0110100200         Ball         3           41         0100104100         Bearing Main Shaft 6313(SSV*- 1         1           14)         0100302200         Bearing Main Shaft 216(SSV*-21)         1	29	0080211900	O-ring 6275(Viton)	4
32         1260108500         Spacer         2           33         0070101600         Snap ring         2           34         1210202500         Piston         2           35         0070201200         Snap ring         6           36         0040800200         Lockwasher 12.5         16           37         0100502900         Bearing - Intermediate Shaft         2           37a         1250301400         Shaft Support (SSV4)         1           38         0030101900         Hex Nut M12         16           38a         0080214200         O ring (SSV4)         2           39         1170208000         Splined Sleeve         1           40         0110100200         Ball         3           41         0100104100         Bearing Main Shaft 6313(SSV*- 1         14)           0100302200         Bearing Main Shaft 216(SSV*-21)         1	30	0080216300	O-ring 3770(Viton)	4
33         0070101600         Snap ring         2           34         1210202500         Piston         2           35         0070201200         Snap ring         6           36         0040800200         Lockwasher 12.5         16           37         0100502900         Bearing - Intermediate Shaft         2           37a         1250301400         Shaft Support (SSV4)         1           38         0030101900         Hex Nut M12         16           38a         0080214200         O ring (SSV4)         2           39         1170208000         Splined Sleeve         1           40         0110100200         Ball         3           41         0100104100         Bearing Main Shaft 6313(SSV*- 14)         1           0100302200         Bearing Main Shaft 216(SSV*-21)         1	31	1240111000	Cover	4
34         1210202500         Piston         2           35         0070201200         Snap ring         6           36         0040800200         Lockwasher 12.5         16           37         0100502900         Bearing - Intermediate Shaft         2           37a         1250301400         Shaft Support (SSV4)         1           38         0030101900         Hex Nut M12         16           38a         0080214200         O ring (SSV4)         2           39         1170208000         Splined Sleeve         1           40         0110100200         Ball         3           41         0100104100         Bearing Main Shaft 6313(SSV*- 1         14)           0100302200         Bearing Main Shaft 216(SSV*-21)         1	32	1260108500	Spacer	2
35         0070201200         Snap ring         6           36         0040800200         Lockwasher 12.5         16           37         0100502900         Bearing - Intermediate Shaft         2           37a         1250301400         Shaft Support (SSV4)         1           38         0030101900         Hex Nut M12         16           38a         0080214200         O ring (SSV4)         2           39         1170208000         Splined Sleeve         1           40         0110100200         Ball         3           41         0100104100         Bearing Main Shaft 6313(SSV*-         1           14)         0100302200         Bearing Main Shaft 216(SSV*-21)         1	33	0070101600	Snap ring	2
36         0040800200         Lockwasher 12.5         16           37         0100502900         Bearing - Intermediate Shaft         2           37a         1250301400         Shaft Support (SSV4)         1           38         0030101900         Hex Nut M12         16           38a         0080214200         O ring (SSV4)         2           39         1170208000         Splined Sleeve         1           40         0110100200         Ball         3           41         0100104100         Bearing Main Shaft 6313(SSV*- 14)         1           0100302200         Bearing Main Shaft 216(SSV*-21)         1	34	1210202500	Piston	2
37         0100502900         Bearing - Intermediate Shaft         2           37a         1250301400         Shaft Support (SSV4)         1           38         0030101900         Hex Nut M12         16           38a         0080214200         O ring (SSV4)         2           39         1170208000         Splined Sleeve         1           40         0110100200         Ball         3           41         0100104100         Bearing Main Shaft 6313(SSV*- 14)         1           0100302200         Bearing Main Shaft 216(SSV*-21)         1	35	0070201200	Snap ring	6
33109(SSV2)           37a         1250301400         Shaft Support (SSV4)         1           38         0030101900         Hex Nut M12         16           38a         0080214200         O ring (SSV4)         2           39         1170208000         Splined Sleeve         1           40         0110100200         Ball         3           41         0100104100         Bearing Main Shaft 6313(SSV*- 14)         1           0100302200         Bearing Main Shaft 216(SSV*-21)         1	36	0040800200	Lockwasher 12.5	16
37a         1250301400         Shaft Support (SSV4)         1           38         0030101900         Hex Nut M12         16           38a         0080214200         O ring (SSV4)         2           39         1170208000         Splined Sleeve         1           40         0110100200         Ball         3           41         0100104100         Bearing Main Shaft 6313(SSV*- 14)         1           0100302200         Bearing Main Shaft 216(SSV*-21)         1	37	0100502900		2
38         0030101900         Hex Nut M12         16           38a         0080214200         O ring (SSV4)         2           39         1170208000         Splined Sleeve         1           40         0110100200         Ball         3           41         0100104100         Bearing Main Shaft 6313(SSV*- 14)         1           0100302200         Bearing Main Shaft 216(SSV*-21)         1	070	1050004400		4
38a         0080214200         O ring (SSV4)         2           39         1170208000         Splined Sleeve         1           40         0110100200         Ball         3           41         0100104100         Bearing Main Shaft 6313(SSV*- 14)         1           0100302200         Bearing Main Shaft 216(SSV*-21)         1				
39         1170208000         Splined Sleeve         1           40         0110100200         Ball         3           41         0100104100         Bearing Main Shaft 6313(SSV*- 14)         1           0100302200         Bearing Main Shaft 216(SSV*-21)         1				
40         0110100200         Ball         3           41         0100104100         Bearing Main Shaft 6313(SSV*- 14)         1           0100302200         Bearing Main Shaft 216(SSV*-21)         1				
41 0100104100 Bearing Main Shaft 6313(SSV*- 1 14) 0100302200 Bearing Main Shaft 216(SSV*-21)			•	
14) 0100302200 Bearing Main Shaft 216(SSV*-21)				
0100302200 Bearing Main Shaft 216(SSV*-21)	41	0100104100		1
42 1280100600 Coil Spring 3			Bearing Main Shaft 216(SSV*-21)	
	42	1280100600	Coil Spring	3

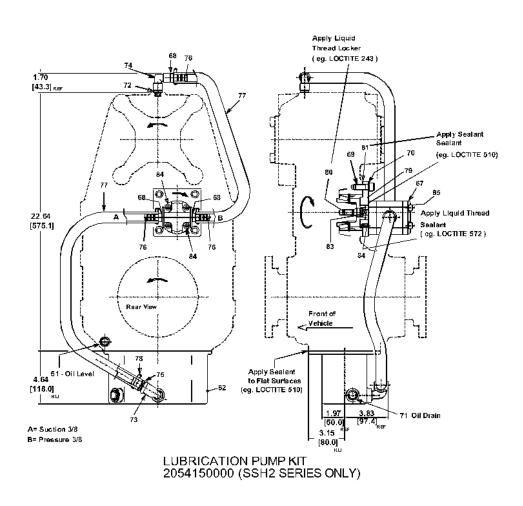
43		Shaft Main Output (SSV*-14) Shaft Main Output (SSV*-21)	1
44		Needle Bearing 50x55x20	1
45	1220104400	Shift Fork	1
46	1210203800	Piston	1
47	1210103000	Piston	1
48	0080213600	O-ring 119(Viton)	1
49	0120102400	Plug G1/2"	1
50	0040103900	Washer 26x20x1	1
51	0120100200	Plug magnet	1
52	0010107600	Capscrew M8x20	6
53	1240109400	Cover	1
54	0120104900	Plug 18x1.5	1
55	0120106500	0	1
56	0120105900	Plug G1/8"	2
57		Spacer (SSV2-21)	1
57a	0070201500	Snap Ring (SSV4)	2
58	0070204700	Snap Ring (SSV2-21)	1
58a	0990026400	Bushing (SSV4)	4
59	0020203100	Stud M12x30	16
59a		Bearing (SSV4)	2
60		Spacer (SSV4)	2
61	0010101000	Capscrew (SSV4)	4
62	0010500200	Capscrew (SSV4)	1
63		Lock Washer (SSV4)	8
64		Capscrew M12x40(SSV4)	4
65		Spacer (SSV4-21)	1
66		Snap Ring (SSV4-21)	1
67		Stud M12x30 (SSV4-21)	8
68	0030101900	Hex Nut M12	8

	2054450000	LUBRICATION KIT	
ITEM	2054150000 Part Number	(Optional SSV2 Only) Description	Qty.
67		Gear Pump - Lube	1
68	0040106300	Washer	3
69	0010306700	Capscrew	4
70	0040400200	Schnorr 12 Washer	4
71	0120100200	Plug	1
72	0130005900	1/4", Fitting	1
73	0130005400	90 degree fitting G 1/2"	1
74	0130005800	G3/8" elbow Fitting	1
75	0130005600	G1/2" M fitting for 16mm hose	1
76	0130005700	G3/8" M fitting for 16mm hose	3
77	0990026800	Hose 16mm	2
78	0990026900	Hose clamp	4
79	1070204300	Flange - lube pump adapter	1
80	1170302000	Coupling - lube pump	1
81	1290101400	Gasket	1
82	1990030800	Oil Sump	1
83	1170301900	Coupling	1
84	0010303300	Capscrew	2
85	0040200200	Lockwasher	2

RGW/ENG/05/12/09

22

#### LUBRICATION PUMP KIT 2054150000 for SSH2 Series Only



- Shaft driven providing for best lubrication when extremely severe operating conditions are expected: High power output on continuous duty applications
- Work in hot climate areas
- High speed (2500 to 3700 RPM of the main shaft) during long highway trips.
- Using the lube kit option kit is recommended when using PTO remote driveline connected to the front side of the unit.
- All parts needed for the installation are included in the kit and fit externally onto the Split Shaft Unit.

#### FITTING INSTRUCTIONS

Locate and remove the cover of the intermediate idler shaft found on the unit's rear side. Find the tapped hole in the idler shaft and place Loctite 243 on the thread and screw the coupling (item 80) in to the shaft

Install the pump adapter plate (item 79), the coupling (item 83) and the pump (item 67) using capscrews (item 70.) Connect the fittings (item 76) with their washer (item 68) to the pump ports.

Remove the unit's bottom plate and fasten the oil sump (item 82) using the existing bolts.

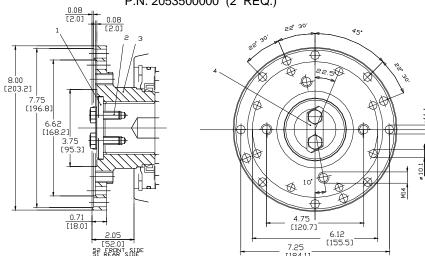
Connect the fittings (item 73 and 75) with each other and fasten them to the 1/2" oil outlet in the oil sump. Fit the two hose clips (item 78) loose over the suction hose (item 77), slip the hose ends over the fittings (items 75 and 76) and secure by tightening the hose clips.

Remove the plug located at the top of the unit and install (items 72, 74, 68, and 76) tighten these fittings.

Fit the two remaining clips over the pressure hose (item 77), slip the hose ends over the fittings (item 76) and tighten the clips.

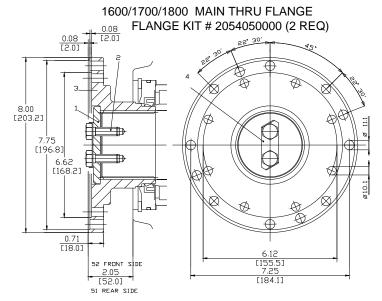
Install the oil drain plug (item 71) and fill with SAE 90 EP oil to the correct level of the oil level port (item 51).

#### SSV\*-14 AND SSH2-14



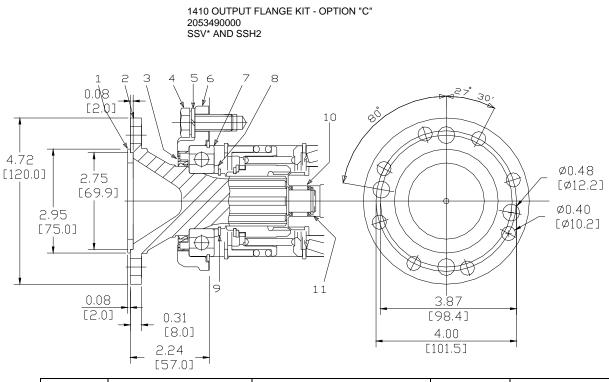
	52 FRONT SIDE 51 REAR SIDE		7.25 [184.1]	<del>_</del>
ITEM	PART NO	DESCRIPTION	QTY	
1	1270212400	WASHER	1	
2	0010101400	CAPSCREW M10X30	2	Torq. To 37 ft.lb. [50 Nm]
3	1160400900	FLANGE	1	
4	1990024400	TAB	1	

#### SSV\*-21 AND SSH2-21



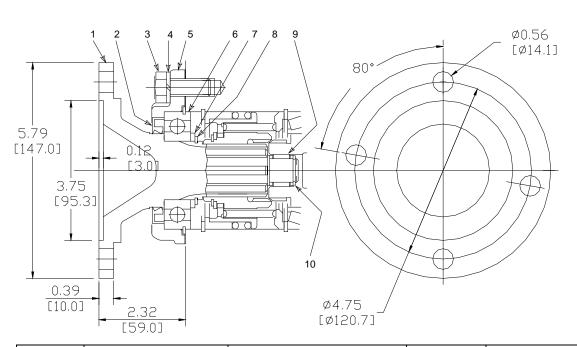
ITEM	PART NO	DESCRIPTION	QTY	
1	1270213800	WASHER	1	
2	0010101400	CAPSCREW M10X30	2	Torq. To 37 ft.lb. [50 Nm]
3	1160401100	FLANGE	1	
4	1990024400	TAB	1	

#### MAIN TRANSMISSION FLANGE KIT 1500/1600/1700/1800 P.N. 2053500000 (2 REQ.)



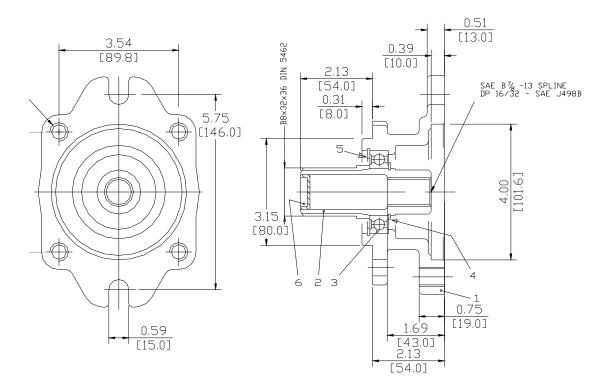
ITEM	PART NO	DESCRIPTION	QTY	
1	1270212300	CENTERING RING (DIN OPT.)	1	
2	1160401200	1410 FLANGE	1	
3	0080109000	SEAL 50X72X8 VITON	1	
4	0010101000	CAPSCREW M12X30	4	Torq. To 37 ft.lb. [50 Nm]
5	0040200400	LOCKWASHER	4	
6	1090103700	COVER	1	
7	0100100500	BEARING	1	
8	1260102600	SPACER	1	
9	0070400400	SNAPRING	1	
10	0100600100	BEARING	1	
11	0070400400	SNAPRING	1	

25



1500 OUTPUT FLANGE KIT - OPTION "D" 2053640000 SSV\* AND SSH2

ITEM	PART NO	DESCRIPTION	QTY	
1	1160103500	1550 FLANGE	1	
2	0080109000	SEAL 50X72X8 VITON	1	
3	0010101000	CAPSCREW M12X30	4	Torq. To 37 ft.lb. [50 Nm]
4	0040200400	LOCKWASHER	4	
5	1090103700	COVER	1	
6	0100100500	BEARING	1	
7	1260102600	SPACER	1	
8	0070400400	SNAPRING	1	
9	0100600100	BEARING	1	
10	0070400400	SNAPRING	1	

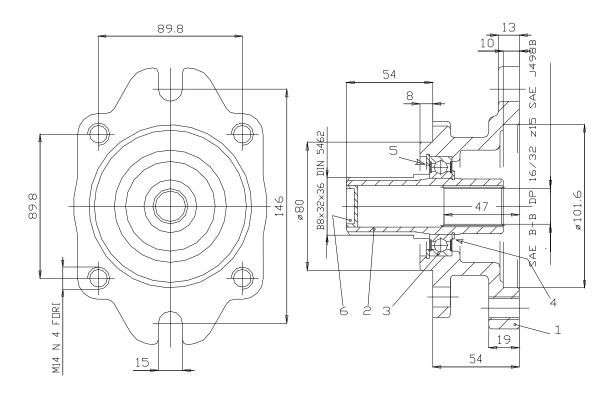


SAE "B" HYDRAULIC FLANGE - OPTION "K" 3520430000B SSV\* AND SSH2 SERIES

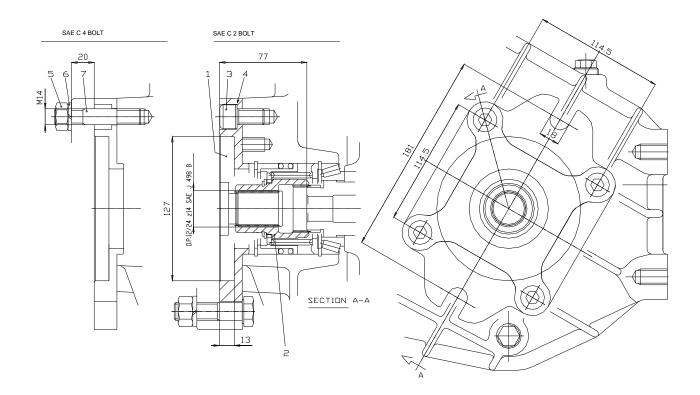
ITEM	PART NO	DESCRIPTION	QTY
1	1090105000	COVER	1
2	1170209200	SPLINED COUPLER	1
3	0100104300	BEARING	1
4	0070100300	SNAPRING	1
5	0070200900	SNAPRING	1
6	0120106400	PLUG	1
N.S.	20TK4463	MOUNTING KIT	1

27

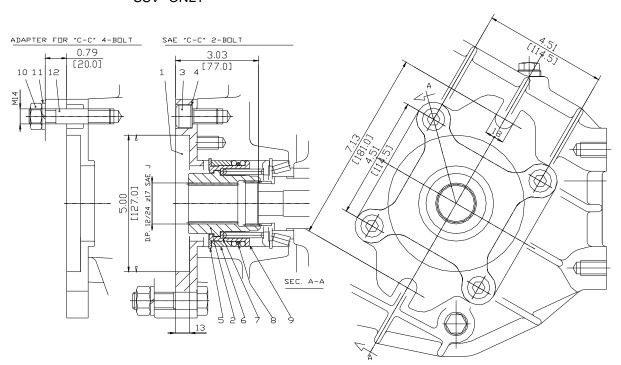




ITEM	PART NO	DESCRIPTION	QTY
1	1090105000	COVER	1
2	1170209200	SPLINED COUPLER	1
3	0100104300	BEARING	1
4	0070100300	SNAPRING	1
5	0070200900	SNAPRING	1
6	0120106400	PLUG	1
7	0011702094	SPLINED SLEEVE	1
N.S.	20TK4463	MOUNTING KIT	1



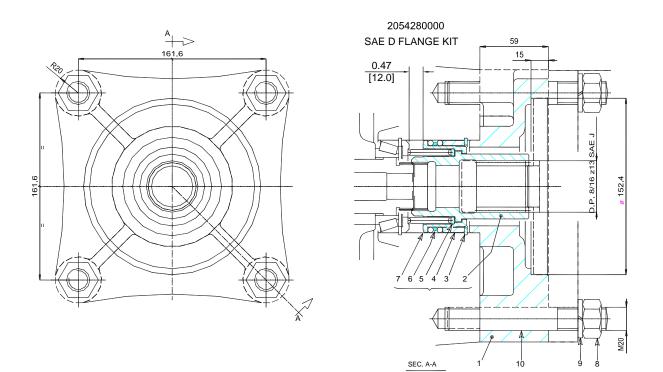
ITEM	PART NO	DESCRIPTION	QTY	
1	1070116200	FLANGE	1	
2	1170207300	SPLINED COUPLER	1	
3	0010308400	CAPSCREW M14X25	4	Torq. To 37 ft.lb. [50 Nm]
4	0040400500	WASHER	4	
5	0030101700	HET NUT M14	4	Torq. To 37 ft.lb. [50 Nm]
6	0040201000	LOCKWASHER	4	
7	0020205200	STUD M14X55	4	



#### SAE "C-C" OUTPUT FLANGE KIT OPTION "F" 2054270000 SSV\* ONLY

#### 2054270000 SAE C-C

		-		
ITEM	PART NO	DESCRIPTION	QTY	
1	1070116200	FLANGE	1	
3	0010308400	CAPSCREW M14X25	4	Torq. To 37 ft.lb. [50 Nm]
4	0040400500	WASHER	4	
5	0030101700	HET NUT M14	4	Torq. To 37 ft.lb. [50 Nm]
6	0040201000	LOCKWASHER	4	
7	0020205200	STUD M14X55	4	
8	1170209500	SPLINED COUPLER	1	
9	0070204800	SNAPRING	1	
10	1270214200	RING	1	
11	1270208100	WASHER	1	
12	0080213500	O-RING	1	
13	1210202700	PISTON	1	



## SAE D FLANGE KIT 2054280000

ITEM	PART NO	DESCRIPTION	QT.
1	1070116300	FLANGE	1
2	1170209600	OUTPUT SHAFT	1
3	0070204800	SNAP RING	1
4	1270214200	COLLAR	1
5	1270208100	SPACER RING	1
6	0080210900	O-RING	1
7	1210202700	PISTON	1
8	0030101800	NUT M20	4
9	0040201100	LOCK WASHER	4
10	0020205500	STUD M20x110	4