

AMENDMENTS TO POWER STEERING CATALOGUE IN MONTH OF AUG 2016

SR NO	GROUP	SUBGROUP	DIAGRAM NO	PAGE NO IN CAT.	SR NO IN CAT.	DESCRIPTION	DATE OF UPDATE	REVISION
1	POWER STEERING	HYDRAULIC OIL RESERVOIR 8X4 & 8X2	6	8	1	VIN CUT OFF ADDED	29.08.16	01/08/16

POWER STEERING

CONTENTS

SR	DESCRIPTION	DIAGRAM NO.
1	STEERING WHEEL AND COLUMN	01
2	DRAG LINK 4X2, 6X2 & 6X4	02
3	HYDRAULIC CONNECTIONS STEERING 4X2, 6X2 & 6X4	03
4	STEERING LINKAGES 8X4 & 8X2	04
5	HYDRAULIC CONNECTIONS STEERING 8X4 & 8X2	05
6	HYDRAULIC OIL RESERVOIR 8X4 & 8X2	06
7	POWER STEERING HYD CIRCUIT- BUS	07
8	FES INSTALLATION - BUS	08

This exploded view diagram illustrates the assembly of a vehicle steering knuckle. The components are numbered as follows:

- 1:** Steering knuckle
- 2:** Steering knuckle cap
- 3:** Steering knuckle cap nut
- 4:** Steering knuckle cap washer
- 5:** Steering knuckle cap seal
- 6:** Steering knuckle cap seal
- 7:** Steering knuckle cap seal
- 8:** Steering knuckle cap seal
- 9:** Steering knuckle cap seal
- 10:** Steering knuckle cap seal
- 11:** Steering knuckle cap seal
- 12:** Steering knuckle cap seal
- 13:** Steering knuckle cap seal
- 14:** Steering knuckle cap seal
- 15:** Steering knuckle cap seal
- 16:** Steering knuckle cap seal
- 17:** Steering knuckle cap seal
- 18:** Steering knuckle cap seal
- 19:** Steering knuckle cap seal
- 20:** Steering knuckle cap seal
- 21:** Steering knuckle cap seal
- 22:** Steering knuckle cap seal
- 23:** Steering knuckle cap seal
- 24:** Steering knuckle cap seal
- 25:** Steering knuckle cap seal
- 26:** Steering knuckle cap seal
- 27:** Steering knuckle cap seal
- 28:** Steering knuckle cap seal
- 29:** Steering knuckle cap seal
- 30:** Steering knuckle cap seal
- 31:** Steering knuckle cap seal
- 32:** Steering knuckle cap seal
- 33:** Steering knuckle cap seal

18

20

25

STEERING WHEEL & COLUMN**Diagram No. 01**

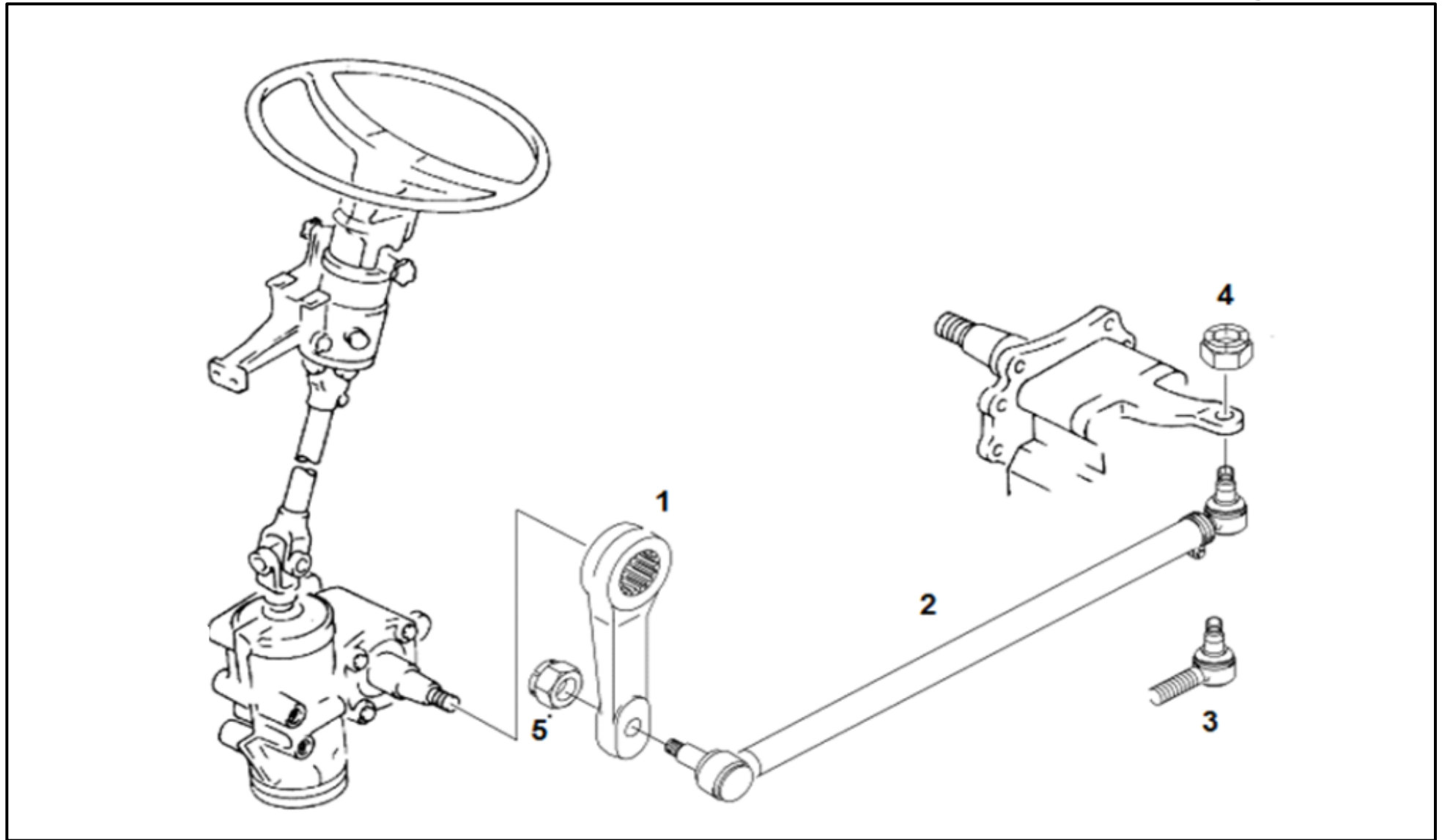
S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
2	64.46430-0001	STEERING WHEEL ASSLY WITH HORN BUTTON	1		
4	64.90490-0035	LOCKING BOLT M22X1.5-ST-ZNPHR3F DIN 908	1		
6	64.46113-0002	STEERING COLUMN CASING	1		
7	06.07095-0204	OVAL HEAD TAPPING SCREW M4 X 12	1		
8	64.90040-0026	OVAL HEAD TAPPING SCREW 4.2 X 38	1		
9	64.46113-0001	STEERING COLUMN CASING	1		
10	64.46145-0001	HOLDER	1		
11	64.90020-0072	HEX. SHOULDER STUD -M8 X 55	1		
12	64.46433-0003	CLAMPING RING	1		
13	64.46433-0001	CLAMPING RING	1		
14	64.46136-0001	SLIDING RING	1		
15	64.97602-0001	COMPRESSION SPRING	1		
16	64.90770-0133	WASHER 56 X 72	1		
17	64.46113-0003	STEERING COLUMN CASING	1		
18	64.90040-0010	PAN HEAD SCREW -M4 X 10	1		
19	64.90710-0038	WASHER A4.3X9X 0.8	1		
20	64.90040-0011	PAN HEAD SCREW -M4 X 20	1		
21	64.46110-0001	STEERING COLUMN HOLDER	1		
Page No. 01		REVISION NO. 01/03/16			VERSION: 01

STEERING WHEEL & COLUMN**Diagram No. 01**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
22	64.46145-0002	ANGLE	1		
23	64.90490-0023	RESTORING SCREW	1		
24	64.90711-0014	WASHER	1		
25	85.97005-0001	HAND WHEEL	1		
26	64.97601-0014	COMPRESSION SPRING	1		
27	64.46433-0002	CLAMPING SCREW	1		
28	64.46440-5002	STEERING COLUMN TUBE RHD	1		64.46440-5009 ALTERNATE
29	06.09082-4814	CHEESE HEAD BOLT	1		
30	64.90710-0034	WASHER 8.4 X 16 X 1.6	1		
31	06.01289-0227	HEX. BOLT M6 X 12	1		
32	64.46113-0004	CAP BLACK PLASTIC	1		
33	64.46122-6001	STEERING COLUMN	1		
Page No. 02		REVISION NO. 01/09/16			VERSION: 01

DRAG LINK 4X2, 6X2 & 6X4

Diagram No. 02



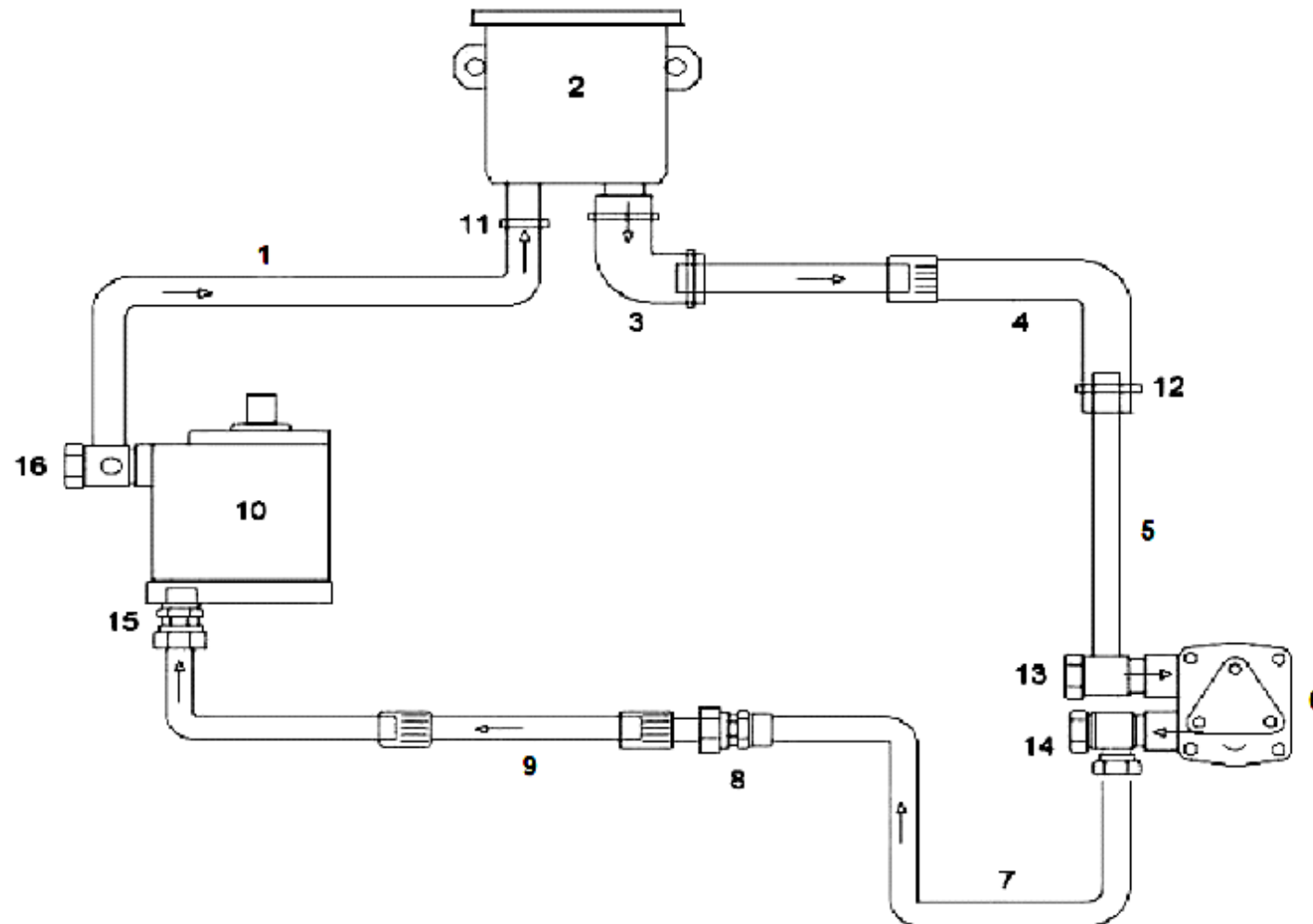
DRAG LINK 4X2, 6X2 & 6X4

Diagram No. 02

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.46601-0001	DROP ARM RH	1		
2	64.46610-6001	DRAG LINK ASSY	1		
3	64.95301-6002	DRAG LINK END	1		
4	81.90685-0385	CASTLE NUT M24X1.5	1		
5	81.90685-0386	LOCK NUT M20X1.5	1		
Page No. 03		REVISION NO. 00			VERSION: 01

HYDRAULIC CONNECTIONS STEERING 4X2, 6X2 & 6X4

Diagram No. 03



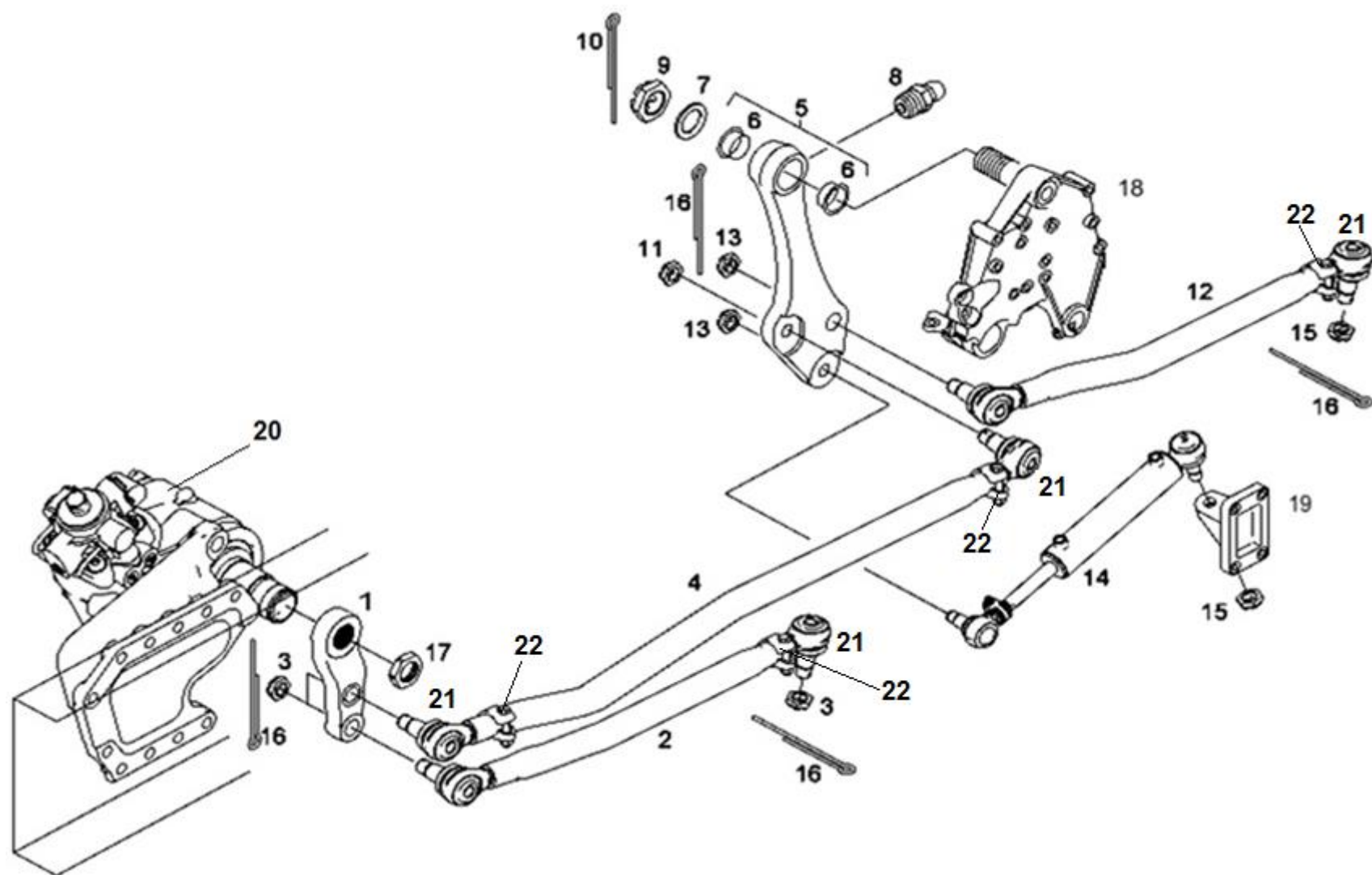
HYDRAULIC CONNECTIONS STEERING 4X2, 6X2 & 6X4**Diagram No. 03**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.96401-0006	RETURN HOSE ASSY	1	COMMON FOR ALL 4X2 , 6X2 & 6X4 MODELS ONLY	
2	64.41740-5004	RESERVOIR ASSY (PLASTIC) WITH BKT	1	COMMON FOR ALL 4X2 , 6X2 & 6X4 MODELS ONLY	SUPERCEDED BY 64.47301-6005
2	64.41740-7002	STEERING FILTER ELEMENT	1	COMMON FOR ALL 4X2 , 6X2 & 6X4 MODELS ONLY	DIAGRAM NOT SHOWN
2	64.41740-7001	STRAINER	1	COMMON FOR ALL 4X2 , 6X2 & 6X4 MODELS ONLY	DIAGRAM NOT SHOWN
3	64.96401-0007	SUCTION HOSE ELBOW (ON OIL RESERVOIR)	1	COMMON FOR ALL 4X2 , 6X2 & 6X4 MODELS ONLY	
4	64.96401-0004	SUCTION HOSE ASSY (INTERMEDIATE)	1	COMMON FOR ALL 4X2 , 6X2 & 6X4 MODELS ONLY	
5	64.94299-5001	SUCTION PIPE ASSY ON ENGINE	1	COMMON FOR ALL 4X2 , 6X2 & 6X4 MODELS ONLY	
6	64.47101-6001	POWER STEERING PUMP	1	COMMON FOR ALL 4X2 , 6X2 & 6X4 MODELS ONLY	
7	64.94299-5021	PRESSURE PIPE ASSY (ON ENGINE)	1	COMMON FOR ALL 4X2 , 6X2 & 6X4 MODELS ONLY	
8	64.98110-0008	ADAPOTR M22-M22	1	COMMON FOR ALL MODELS	
9	64.96401-0005	PRESSURE HOSE	1	COMMON FOR ALL 4X2 , 6X2 & 6X4 MODELS ONLY	
10	64.46200-6001	STEERING GEAR ASSY WITH DROP ARM	1	COMMON FOR ALL 4X2 , 6X2 & 6X4 MODELS ONLY	
11	64.97445-0022	HOSE CLIP (22-30)	1	COMMON FOR ALL MODELS	SUPERCEDED BY 64.97201-0006
12	64.97640-0005	WORM TYPE HOSE CLIP 35A (DIA. 25 - 35)	3	COMMON FOR ALL MODELS	
13	64.98150-0006	BANJO BOLT	1	COMMON FOR ALL MODELS	
13	64.91710-0033	SEALING RING A26 X 31 DIN 7603 CU	2	COMMON FOR ALL 4X2 , 6X2 & 6X4 MODELS ONLY	
14	64.98103-0004	BANJO BODY ON RESERVOIR	1	COMMON FOR ALL 4X2 , 6X2 & 6X4 MODELS ONLY	
14	64.98150-0010	BANJO BOLT ON PUMP & RESERVOIR	1	COMMON FOR ALL 4X2 , 6X2 & 6X4 MODELS ONLY	
15	64.94087-0002	UNION L15 M DIN 3901	1	COMMON FOR ALL MODELS	

15	64.91710-0024	SEALING RING A 18 X 22	2	COMMON FOR ALL MODELS	
15	64.98110-0008	ADAPTOR	1	COMMON FOR ALL MODELS	
16	64.98150-0009	BANJO BOLT A 15	1	COMMON FOR ALL 4X2 , 6X2 & 6X4 MODELS ONLY	
16	64.91710-0024	SEALING RING A 18 X 22	2	COMMON FOR ALL MODELS	
Page No. 04		REVISION NO. 00			VERSION: 01

STEERING LINKAGES 8X4 & 8X2

Diagram No. 04



STEERING LINKAGES 8X4 & 8X2

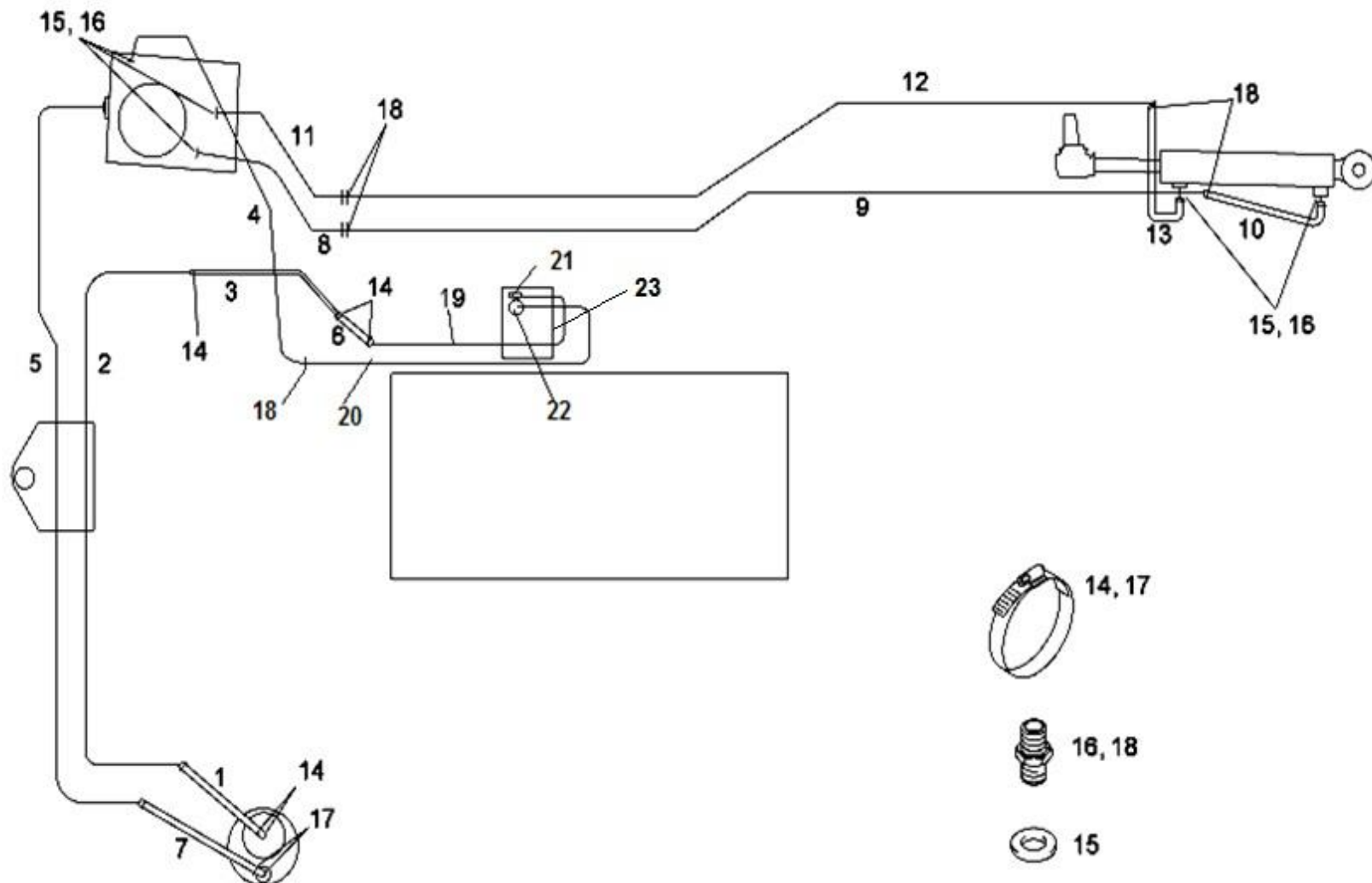
Diagram No. 04

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.46601-0005	DROP ARM RH MACHINED FOR 31.280-8X4	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
2	64.46610-6011	DRAG LINK ASSY FRONT AXLE	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
3	81.90685-0385	CASTLE NUT M24X1.5	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
4	64.46610-6012	DRAG LINK ASSY (DROP ARM TO INT DROP ARM)	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
5	64.46720-6002	ASSLY INTERMEDIATE DROP ARM 2(8X4)	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
6	64.93001-0004	BUSH	2	COMMON FOR 8X4 & 8X2 MODELS ONLY	
7	64.90713-0541	WASHER NICKEL PLATED	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
8	64.98131-0003	GREASE NIPPLE STRAIGHT	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
9	64.90610-0001	CASTLE NUT M30X1.5	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
10	64.91029-0007	SPLIT PIN (DIA 6.3X56 L)	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
11	81.90685-0385	CASTLE NUT M24X1.5	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
12	64.46610-6010	DRAG LINK ASSY INTERMEDIATE FRONT	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
13	81.90685-0385	LOCK NUT M24X1.5	2	COMMON FOR 8X4 & 8X2 MODELS ONLY	
14	64.47501-6002	PUSHER (POWER CYLINDER) DIA. 60	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
15	81.90685-0385	LOCK NUT M24X1.5	2	COMMON FOR 8X4 & 8X2 MODELS ONLY	
16	64.91029-0009	SPLIT PIN DIA. 4X60 DIN 94 A2C	6	COMMON FOR 8X4 & 8X2 MODELS ONLY	
17	NSSP	LOCK NUT	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	NOT SERVICED.SUPPLIED WITH STEERING GEAR BOX.
18	64.46731-0002	INTERMEDIATE DROP ARM BKT 2 (8X4)	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	

19	64.41710-0252	PUSHER MOUNTING BRACKET	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
20	64.46200-6023	STRG GEAR BOX W/O DROP ARM (8046)	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
21	64.95301-6012	THREADED BALLJOINT	4	COMMON FOR 8X4 & 8X2 MODELS ONLY	
22	64.95312-7002	CLAMP ASSEMBLY	4	COMMON FOR 8X4 & 8X2 MODELS ONLY	
Page No. 05		REVISION NO. 00			VERSION: 01

HYDRAULIC CONNECTIONS STEERING 8X4 & 8X2

Diagram No. 05



HYDRAULIC CONNECTIONS STEERING 8X4 & 8X2

Diagram No. 05

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.96401-0007	SUCTION HOSE ELBOW (ON OIL RESERVOIR)	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
2	64.94299-5032	SUCTION PIPE ASSLY (31.280 8X4)	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
3	64.96401-0019	SUCTION HOSE ASSY (31.280 8X4)	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
4	64.96401-0022	PRESSURE HOSE (31.280 8X4)	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
5	64.94299-5041	RETURN PIPE ASSY (8046)	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
6	64.96401-0007	SUCTION HOSE ELBOW (ON OIL RESERVOIR)	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
7	64.96401-0037	RETURN HOSE ASSY	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
8	64.94299-5035	POWER CYL. PIPE ASSY 3 (8046 GEAR BOX)	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
9	64.94299-5033	SUCTION PIPE ASSY POWER CYL (31.280 8X4)	1	COMMON FOR 8X4 MODELS ONLY	
9	64.94299-5063	SUCTION PIPE ASSY (POWER CYLINDER)-8x2	1	COMMON FOR 8X2 MODELS ONLY	
10	64.96401-0025	FLEXIBLE HOSE RETURN FOR PUSHER(31.280)	1	COMMON FOR 8X4 MODELS ONLY	
10	64.96401-0036	FLEXIBLE HOSE RETURN FOR PUSHER(31T)	1	COMMON FOR 8X2 MODELS ONLY	
11	64.94299-5036	POWER CYL. PIPE ASSY 4 (8046 GEAR BOX)	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
12	64.94299-5034	RETURN PIPE ASSY POWER CYL. (31.280 8X4)	1	COMMON FOR 8X4 MODELS ONLY	
12	64.94299-5064	RETURN PIPE ASSY (POWER CYLINDER)-8X2	1	COMMON FOR 8X2 MODELS ONLY	
13	64.96401-0024	FLEXIBLE HOSE SUCTION FOR PUSHER(31.280)	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
14	64.97445-0071	SS WORM DRIVE HOSE CLIP 1A (22-30)	4	COMMON FOR 8X4 MODELS ONLY	
15	64.91710-0024	SEALING RING A 18 X 22 DIN 7603 CU	5	COMMON FOR ALL MODELS	
Page No. 06		REVISION NO. 00			VERSION: 01

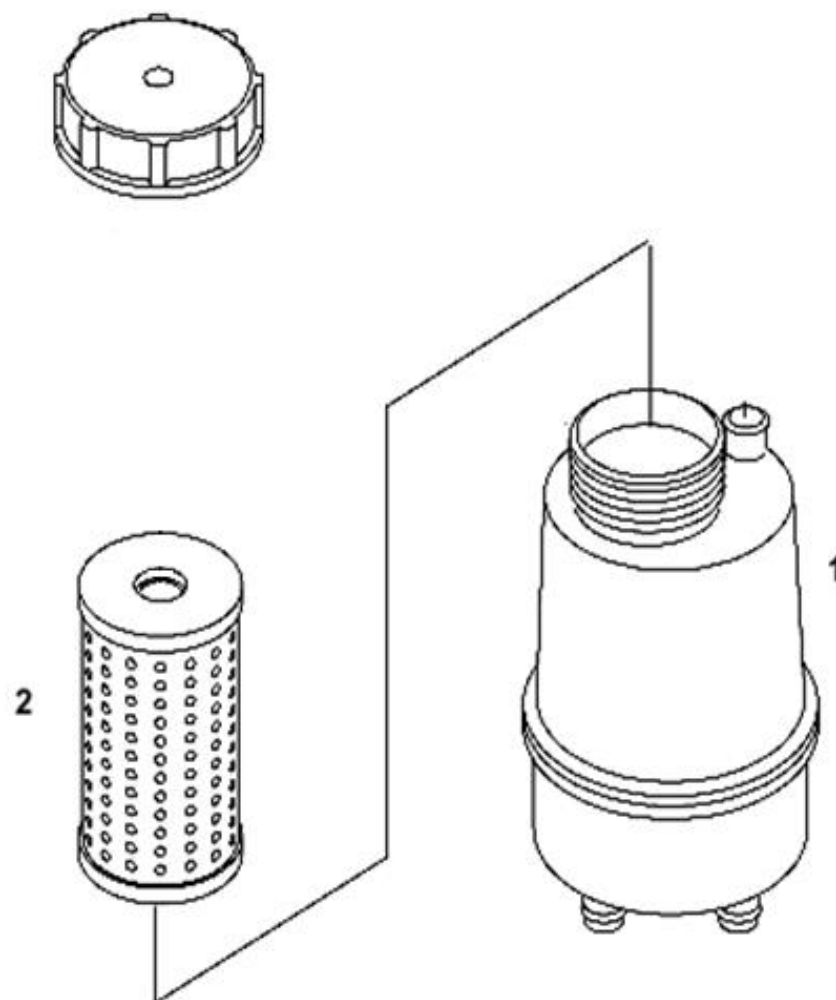
HYDRAULIC CONNECTIONS STEERING 8X4 & 8X2

Diagram No. 05

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
16	64.94087-0002	UNION L 15 M DIN 3901(ZN.PLTD.Y.P.)	5	COMMON FOR ALL MODELS	
17	64.97445-0022	HOSE CLIP (22-30)	2	COMMON FOR 8X2 MODELS ONLY	SUPERCEDED BY 64.97201-0006
17	64.97201-0006	CLIP KLIPCO /(18-25)	1	COMMON FOR 8X2 MODELS ONLY	
18	64.98110-0008	ADDAPTOR M22	4	COMMON FOR ALL MODELS	
19	64.94299-5022	SUCTION PIPE ASSY (ON ENGINE) (EXPORT)	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
20	64.94299-5023	PRESSURE PIPE ASSY (ON ENGINE) (EXPORT)	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
21	64.98150-0006	BANJO BOLT	1	COMMON FOR ALL MODELS	
21	06.56631-0112	SEALING WASHER BS26.7X34.9-ST /FPM 1-80	2	COMMON FOR 8X4 & 8X2 MODELS ONLY	
22	64.98103-0006	BANJO BOLT	1	COMMON FOR ALL MODELS	
22	64.98103-0008	BANJO BODY (POWER STEERING) ON PUMP	1	COMMON FOR ALL MODELS	
22	64.91710-0024	SEALING RING A 18 X 22 DIN 7603 CU	2	COMMON FOR ALL MODELS	
23	81.47101-6137	POWER STEERING PUMP	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	
Page No. 07		REVISION NO. 00			VERSION: 01

HYDRAULIC OIL RESERVOIR 8X4 & 8X2

Diagram No. 06



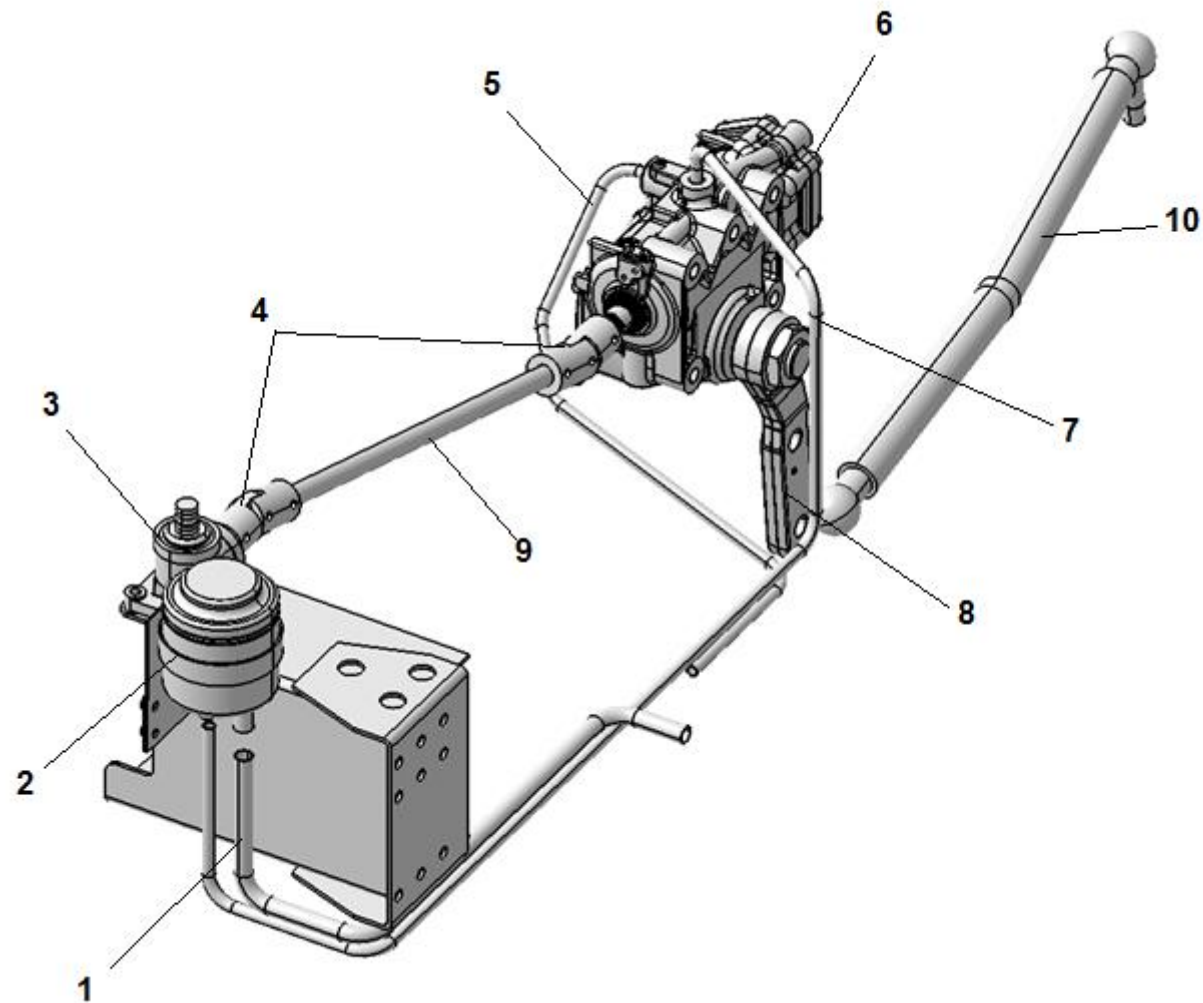
HYDRAULIC OIL RESERVOIR 8X4 & 8X2

Diagram No. 06

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	82.47301-6038	OIL RESERVOIR 2 LTR	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	FOR VEHICLES BEFORE VIN : 15357
1	64.47301-6001	OIL RESERVOIR 2 LITRE	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	FOR VEHICLES FROM VIN : 15357
2	81.47301-6005	EXPEND FILTER	1	COMMON FOR 8X4 & 8X2 MODELS ONLY	FOR 82.47301-6038 ONLY
Page No. 08		REVISION NO. 01/08/16			VERSION: 01

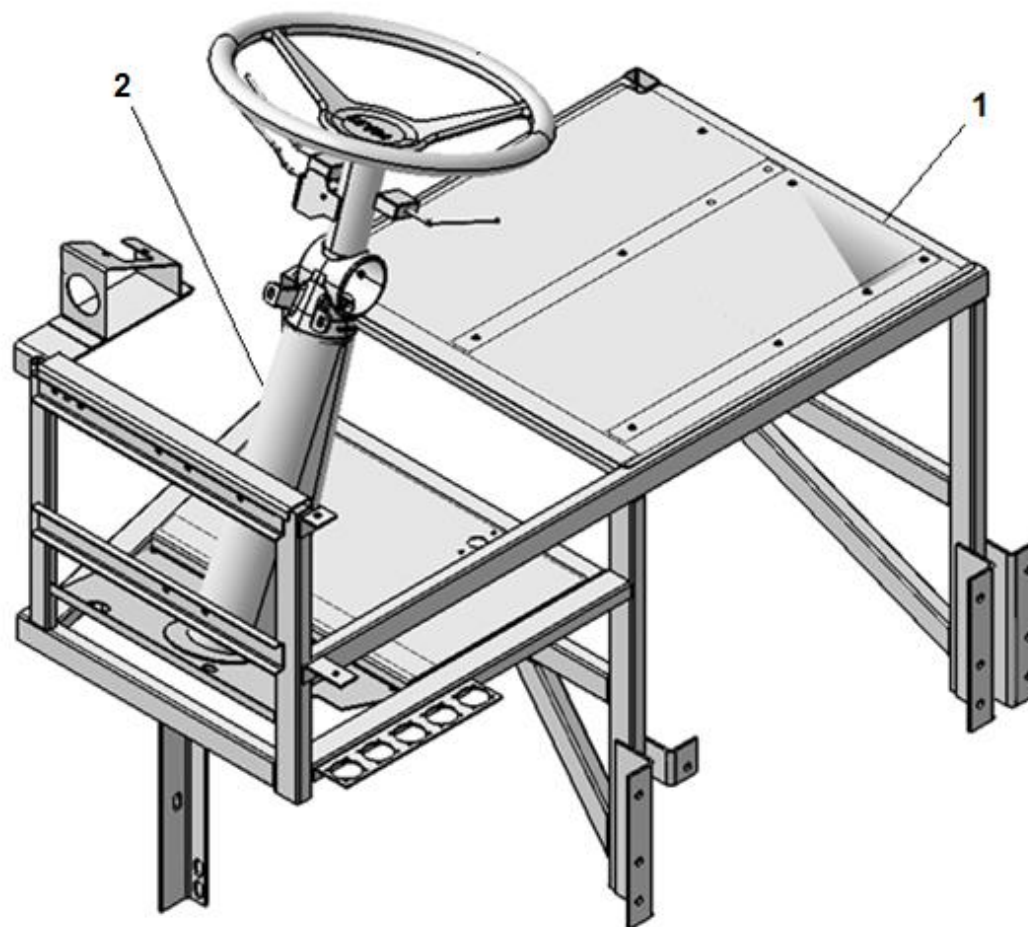
POWER STEERING HYD CIRCUI- BUS

Diagram No. 07



POWER STEERING HYD CIRCUIT- BUS**Diagram No. 07**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.94299-5039	SUCTION PIPE.(MATALLIC)	1		
2	64.41740-5004	RESERVOIR ASSY (PLASTIC) WITH BKT	1		
3	64.46200-6024	BEVEL GEAR BOX	1		
4	64.46490-7003	UNIVERSAL JOINT	1		
5	64.94299-5058	PRESSURE PIPE ASSY (METALLIC)	1		
6	64.46200-6026	STRG GEAR BOX W/O DROP ARM	1		
7	64.94299-5059	RETURN PIPE FROM STRG G.BOX	1		
8	64.46601-0014	DROP ARM RH MACHINED	1		
9	64.46440-0001	INTERMEDIATE SHAFT	1		
10	64.46610-6011	DRAG LINK ASSY FRONT AXLE	1		
Page No. 09		REVISION NO. 00			VERSION: 01



FES INSTALLATION - BUS

Diagram No. 08

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.71101-5001	FRONT END STRUCTURE SUB ASSLY	1		
2	64.46440-5002	STEERING COLUMN TUBE (RHD)	1		
Page No. 10		REVISION NO. 00			VERSION: 01