

SS 282 FCCC Retrofit to CSI Scroll Type Air Compressor for EB2-Jouley Electric School Bus (575177)

*****DANGER***:**

*****HIGH VOLTAGE PRECAUTIONS: DECOMMISSION THE VEHICLE BEFORE SERVICE.*****

Applicable Vehicles

EB2-Jouley Electric School Bus.

Symptoms

Air Compressor Failures.

Issue

Air Compressor Failures.

Solution

*****DANGER***:**

*****HIGH VOLTAGE PRECAUTIONS: DECOMMISSION THE VEHICLE BEFORE SERVICE.*****

This vehicle contains high voltage batteries and other components, marked in orange or labeled "high voltage." Improper exposure—including servicing without proper decommissioning or trying to extinguish a fire without proper training and protective equipment—can cause serious

injury or death.

Retrofit existing air compressor **A01-35590-000** with CSI Scroll Type Air Compressor due to long-term quality and availability concerns. **Retrofit instructions attached and below.** A very general SRT estimate for this retrofit using the parts lists as seen on pages 1-3 of the attachment should be around **11 hours** labor.

****IMPORTANT: Existing VFD must be sent to FCCC address below for updated programming.**

****Please include RETURN shipping label as well.**

FCCC

110 Midway Rd.

Gaffney, SC 29341

ATTN: Chad Frazier

CSI SCROLL TYPE AIR COMPRESSOR SERVICE - RETROFIT GENERAL INSTRUCTIONS.
FOR EB2-JOULEY ELECTRIC SCHOOL BUS:

1. *IMPORTANT*: VERIFY CHARGE (SOC) IN THE BATTERIES IS BETWEEN 50% - 80%. IF NOT, CHARGE THE BUS BEFORE PROCEEDING FURTHER.

2. *IMPORTANT*: MOVE THE BUS TO A WORK-BAY WITH LIFTS. ENSURE THE BUS IS IN "PARK", TURN HV "OFF", DRAIN THE AIR TANKS, AND SAFELY DECOMMISSION THE BUS.

*****DO NOT START ANY WORK BEFORE THIS STEP.*****

3. USE THE KIT ASSEMBLY TABLE BELOW TO CHOOSE THE CORRECT KIT P/N FOR EACH VEHICLE.

4. SEE PAGES 2 AND 3 FOR FULL PARTS LIST, VERIFY ALL PARTS NECESSARY FOR RETROFIT ARE AVAILABLE. VERIFY ALL TOOLS NECESSARY ARE AVAILABLE BEFORE STARTING THE WORK.

5. FOLLOW THE STEP-BY-STEP PROCESS OUTLINED IN THIS DOCUMENT IN THE SAME ORDER AS PRESCRIBED.

6. REFER TO THE TORQUE NOTE APPENDIX IN PAGE-22 FOR ALL THE FASTENER TORQUES SPECIFIED WITH DELTA-NOTES

****Normal warranty applies.****

****Upon completion of this Service Solution, it is imperative that the performing Dealer adds a Global Annotation into Excelerator Parts Pro that states "**Service Solution 282 has been performed**", so that future dealers will know where to obtain future replacement parts information.**

Labels :

Busses

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Attachments



0 Kudos

Comment

REF	PART NUMBER	DESCRIPTION	A01-35741-000	-001	-002	-003	-004
			QTY	QTY	QTY	QTY	QTY
1	A01-35560-000	AIR CPRSR-ASSY,220V,CSI,SCROLL	1	1	1	1	1
2	A66-30484-388	HV ASM-AIR COMP-VFD,279WB,KIT	1	-	-	-	-
	A66-30484-391	HV ASM-AIR COMP-VFD,279WB,KIT	-	1	-	-	-
	A66-30484-369	HV ASM-AIR COMP-VFD,259WB,KIT	-	-	1	-	-
	A66-30484-372	HV ASM-AIR COMP-VFD,259WB,KIT	-	-	-	1	-
	A66-30484-393	HV ASM-AIR COMP-VFD,279WB,KIT	-	-	-	-	1
3	TYCHDM250HIR	BASE,TIE STRAP MTG,.250"	1	1	1	1	1
4	23-13140-113	AXIAL MT-SADDLE ,TIE STRIP,8MM	-	-	-	1	1
5	A12-32839-000	BRKT ASSY-SUPT,AIR CPRSR,XMBR	2	2	2	2	2
6	12-25415-001	BRKT-RTG & CLPG,UNDER C/M L	1	1	1	1	1
7	23-09130-050	BRKT-STANDOFF,1.12X2.12,ANGLE	1	1	1	1	1
8	A12-32853-000	BRKT-SUPT,CSI AIR CPRSR,EB2,LH	1	1	1	1	1
9	A12-32838-000	BRKT-SUPT,CSI AIR CPRSR,EB2,RH	1	1	1	1	1
10	12-32886-000	BRKT-SUPT,CSI SEC AIR FLTR	1	1	1	1	1
11	12-33012-000	BRKT-SUPT,DISCH LN,AIR,CSI,EB2	1	1	1	1	1
12	23-14137-001	CABLE TIE-FIR TREE MOUNT,TYC	5	5	6	6	7
13	23-09132-012	CLAMP-HOSE .69-1.25	2	2	2	2	2
14	23-09132-020	CLAMP-HOSE .81-1.75	2	2	2	2	2
15	23-14576-034	CLAMP-RCHT,SZ B,180D,LONG,M10	3	3	3	3	3
16	23-14576-214	CLAMP-RCHT,SZ B,30D,SHORT,M10	1	1	1	1	1
17	23-14576-634	CLAMP-RCHT,SZ B,90D,LONG,M10	1	1	1	1	1
18	23-13140-018	AXIAL MT-SADDLE ,TIE STRIP,8MM	1	1	1	1	1
19	23-14580-016	CLIP-FIR TREE,MOC16,OVAL	15	13	14	12	13
20	23-13324-112	CONN-STR,ORNG,1.062 TO M22X1.5	1	1	1	1	1
21	23-11321-000	CONN-BARB,3/4" HOSE ID,1/2NPT	2	2	2	2	2
22	03-45232-000	HOSE-CSI COMP,AIR INLET,EB2	1	1	1	1	1
23	BCD22525 12	ISOLATOR-NEOPRENE,DURO 45	2	2	2	2	2
24	BCD22525 13	ISOLATOR-NEOPRENE,DURO 55	2	2	2	2	2
25	BCD9810145 01804	ISOLATOR-SNUB PLATE,STEEL	8	8	8	8	8
26	A12-15912-054	ASSY-HOSE,#12,TEFLON,54"	1	1	1	1	1
27	23-13839-106	NUT-HEX,3/8-16,GR8,ZN AL	4	4	4	4	4
28	23-13861-104	NUT-HEX,FLG,1/4-20,LOCK,ZN/AL	4	4	4	4	4

CONTINUED
IN NEXT
PAGE

REF	PART NUMBER	DESCRIPTION	A01-35741-000	-001	-002	-003	-004
			QTY	QTY	QTY	QTY	QTY
29	23-13861-106	NUT-HEX,FLG,3/8-16,ZN AL	9	9	9	9	9
30	23-13861-105	NUT-HEX,FLG,5/16-18,LK,ZN AL	2	2	2	2	2
31	23-13833-108	NUT-HEX,LKG,XL SIL,1/2-13	8	8	8	8	8
32	23-13833-110	NUT-HEX,LKG,XL SIL,5/8-11	8	8	8	8	8
33	23-10744-100	SCREW-CAP,HEX5/16-18X1.00GR5Z	2	2	2	2	2
34	23-11751-150	SCREW,CAP,HEX,1/2-13,GR8,ZNDI	8	8	8	8	8
35	23-11747-100	SCREW-CAP,HEX,GR8,3/8-16X1.00	1	1	1	1	1
36	23-11747-125	SCREW-CAP,HEX,GR8,3/8-16X1.25	4	4	4	4	4
37	23-11747-375	SCREW-CAP,HEX,GR8,3/8-16X3.75	4	4	4	4	4
38	23-11755-175	SCREW-CAP,HEX,5/8-11 UNC	8	8	8	8	8
39	23-10742-100	SCREW-CAP,HEX1/4-20X1 GR5ZNW	4	4	4	4	4
40	23-10746-100	SCREW-CAP,HEX3/8-16X1 GR5ZNW	4	4	4	4	4
41	23-09330-100	SPCR-TB,AL,.40"IDX1.5"OD	4	4	4	4	4
42	23-12229-000	STUD-WELD,3/8-16X1.0	1	1	1	1	1
43	12-32887-000	SUPT-BRKT, AIR DISCHG LN	1	1	1	1	1
44	TYCDCT110HIR	TIE-CABLE,DUAL,.375 TO 2.25	-	3	-	3	1
45	23-13476-000	TIE-CLAMP,.5W,15L,4.13BUNDLE	4	8	4	11	14
46	23-13482-002	TIE-FIR TREE MTD,6.5-7.0MM,FT7	4	4	4	4	4
47	48-25126-001	TRIM-EDGING,DOUBLE LIP	27 IN	27 IN	27 IN	27 IN	27 IN
48	23-10900-025	WASHER-FLAT,SST,1/4"	4	4	4	4	4
49	23-09114-006	WASHER-HRDN,0.34X0.69X.080,ZN	2	2	2	2	2
50	23-09114-002	WASHER-HRDN,0.41X0.81X.080,ZN	13	13	13	13	13
51	23-09114-003	WASHER-HRDN,0.53X1.06X.177,ZN	16	16	16	16	16
52	23-09114-000	WASHER-HRDN,0.69X1.31X.177,ZN	16	16	16	16	16
53	23-12157-008	CAP-PIPE,1/2 FNPTF,BRASS	2	2	2	2	2
54	12-33647-000	BRKT-HVIL LOCK,CSI AIR CMPRSR	2	2	2	2	2
55	000000 001147	SCR-MACH,PNH,HDI,M6X20	2	2	2	2	2
56	000125 006420	WASHER-FLAT,ZINC PLTD,M6	4	4	4	4	4
57	23-12828-006	NUT-HEX,SST,M6,PATCH LOCK	2	2	2	2	2
58	12-15465-064	CABLE-NYLON COATED,3/32,CM	1	1	1	1	1
59	LooSL1 3R	SLEEVE-1/8"CABLE,ALUM OVAL	2	2	2	2	2