

METRO FIRE 03
 625 S WISTERIA ST
 SUITE 121
 MANSFIELD, TX 76063
 817-467-0911



Estimate **SO-03-11320**
 Date: **12/6/2022**

Bill To
 KELLER FIRE DEPARTMENT
 PO BOX 770
 KELLER, TX 76244
 P: 817-743-4400 F: 817-743-4409

Ship To
 KELLER FIRE DEPARTMENT
 300 WEST WALKER
 LEAGUE CITY, TX 77573

Remit Payment To
 METRO FIRE APPARATUS
 SPECIALISTS, INC. -
 CORPORATE
 17350 STATE HWY 249
 SUITE 250
 HOUSTON, TX 77064

Service Order	Purchase Order	Service Writer	Authorizer
SO-03-11320		HAZARD, KALEB	Not provided

Item	Description	Quantity	Rate	Amount
Receive unit				
Labor	Receive unit	0.00000		\$0.00
			Subtotal	\$0.00

Complaint: ROUGH RIDE - CONVERT DRIVE AXLE SUSPENSION TO AIR RIDE

Cause: CUSTOMER REQUEST **Type:** CUSTOMER PAY

Labor	Recommended Correction:	182.00000	\$152.00	\$27,664.00
CHASSIS; SUSPENSION REAR / SPRING; RUBBER / REMOVE WALKING BEAM SUSPENSION AND HARDWARE, AXLES, CROSSMEMBER, DRIVELINE, AND AXLE STOPS. LAYOUT FRAME DRILLING, WELD SHUT OVERLAPPING HOLES, DRILL FRAME AND PAINT. INSTALL CROSSMEMBER AND NEW AXLE STOPS. ASSEMBLE SUSPENSION TO AXLE. TRANSFER BRAKE CHAMBERS FROM OLD AXLE TO NEW AXLE AND SET UP SLACK ADJUSTERS. REPLACE ABS SENSOR DAMAGED ON AXLE IN TRANSIT. INSTALL SUSPENSION TO FRAME. INSTALL DRIVELINE (NEW U-JOINTS USED) AND GREASE. GREASE SUSPENSION AND SLACK ADJUSTERS. INSTALL HEIGHT CONTROL VALVES, AIR PLUMBING AND PRESSURE PROTECTION VALVES. SET RIDE HEIGHT TO 11", FRONT PINION ANGLE TO 3 DEGREES AND REAR TO 10 DEGREES, TORQUE ALL FASTENERS PER INSTALLATION DRAWING. ALIGN SUSPENSION. ROAD TEST, BURNISH BRAKES AND VERIFY SLACK ADJUSTER OPERATION.				

https://bit.ly/DRIVE_AXLE_SWAP_INSTALL_INFO

Parts	DRIVE AXLE, FRONT REAR, 3521-DD4-003 - MER-RP29185NFPF377-538 - A	1	\$25,714.5954	\$25,714.60
Parts	DRIVE AXLE, REAR REAR, 3521-DD4-004 - MER-RR29185NFPF377-538 - A	1	\$16,796.4132	\$16,796.41
Parts	Non-Inventory (Freight) - FREIGHT - A	1	\$700.00	\$700.00
Parts	GEAR OIL 85/140 5 GAL - VAL-829 - A	2	\$210.4866	\$420.97
Parts	TRACK ROD (ADJUSTABLE 590MM) - SMC-2632-DD4-001 - A	2	\$371.969	\$743.94
Parts	TORQUE ROD (ADJUSTABLE 590 MM) - SMC-2633-DD4-001 - A	1	\$464.269	\$464.27
Parts	TORQUE ROD (ADJUSTABLE 692MM) - SMC-2634-DD4-001 - A	1	\$316.589	\$316.59
Parts	NUT, THIN NYLON LOCK NUT, 1 1/4-12 - SMC-0344-BB1-202 - A	2	\$10.31925	\$20.64
Parts	WASHER, 1.250 FLAT HARDENED NRW YEL - SMC-20FWAHNY - A	2	\$2.95154	\$5.90

Item	Description	Quantity	Rate	Amount
Parts	FILTER, DIFFERENTIAL - MER-A3380-W-1687 - A	1	\$23.5862	\$23.59
Parts	GASKET, AXLE HUB - LARGE REAR 7" CC DIAMETER, STEMCO - NAP-TWD-3303106 - A	2	\$5.46	\$10.92
Parts	ULTRA GREY PERMATEX - ORE-PER-82194 - A	2	\$13.6888	\$27.38
Parts	VALVE, PRESSURE PROTECTION 90 PSI CLOSING - MER-R90555398 - A	2	\$69.509	\$139.02
Parts	RUBBER FABRIC 6 X 12 X 1/8 - SMC-0432-FF3-007 - A	1	\$5.90	\$5.90
Parts	FREIGHT CHARGES - FREIGHT - A	1	\$144.67	\$144.67
Parts	BRACKET, TORQUE ROD - SMC-2489-DD4-801009 - A	4	\$15.549	\$62.20
Parts	AXLE STOP, FWD LHS RAYDAN 11" - SMC-2735-DD4-001 - A	1	\$604.849	\$604.85
Parts	AXLE STOP, RR RHS RAYDAN 11" - SMC-2735-DD4-005 - A	1	\$596.329	\$596.33
Parts	AXLE STOP-FWD RHS RAYDAN - SMC-2734-DD4-001 - A	1	\$617.629	\$617.63
Parts	AXLE STOP-RR LHS RAYDAN - SMC-2734-DD4-002 - A	1	\$611.949	\$611.95
Parts	REAR RAYDAN SUSPENSION, 3624-DD4-001 - RAY-960-80-258 - A	1	\$14,455.8556	\$14,455.86
Parts	CROSS MEMBER - SMC-3291-CC2-001 - A	2	\$298.129	\$596.26
Parts	GUSSETT, LH - SMC-3570-CC2-001 - A	1	\$653.129	\$653.13
Parts	GUSSETT, RH - SMC-3570-CC2-002 - A	1	\$653.129	\$653.13
Parts	FLANGED NUT, 1/2-13, 707482 - SMC-0813FLN8Y - A	24	\$3.90	\$93.60
Parts	BOLT, 1/2"-13X 1 1/2" FLANGED HEAD GR 8 - SMC-08130150FH8Y - A	24	\$3.90	\$93.60
Parts	Non-Inventory (Freight) - FREIGHT - A	1	\$900.00	\$900.00
Parts	LEVELING VALVE BRACKET - SMC-2164-DD4-001 - A	2	\$22.649	\$45.30
Parts	LEVELING VALVE - HDX-90554945 - A	2	\$159.8352	\$319.67
Parts	LINKAGE, HALDEX 16", 2181-DD4-001 - SMC-2181-DD4-001 - A	2	\$36.849	\$73.70
Parts	BRASS COMPRESSION FITTING - WEA-68X6 - A	2	\$4.22	\$8.44
Parts	BRASS COMPRESSION FITTING - WEA-68X8X4 - A	2	\$9.60	\$19.20
Parts	BRASS COMPRESSION FITTING - WEA-69X6 - A	4	\$7.22	\$28.88
Parts	BRASS COMPRESSION FITTING - WEA-69X8X4 - A	2	\$16.2874	\$32.57
Parts	BRASS PIPE TEE - WEA-3750X4 - A	2	\$8.06	\$16.12
Parts	BRASS PIPE TEE - WEA-3600X4 - A	1	\$7.10	\$7.10
Parts	C/S SOCKET HEAD PLUG - WEA-BR390HEX025 - A	2	\$5.48	\$10.96
Parts	BRASS 45 DEGREE ELBOW - WEA-79X6X4 - A	2	\$8.2786	\$16.56
Parts	TORQUE BRACKET - SMC-3150-K-1363 - A	2	\$316.589	\$633.18
Parts	Non-Inventory (Freight) - FREIGHT - A	1	\$43.00	\$43.00
Parts	BOLT, 5/8-11 X 8 - MCM-91257A822 - A	2	\$10.8914	\$21.78
Parts	BOLT, 5/8-11 X 5 - MCM-90602A266 - A	4	\$9.9542	\$39.82
Parts	FLANGED LOCK NUT 3/4-10 PACK - MCM-90949A223 - A	4	\$21.0444	\$84.18
Parts	WASHER, FLAT 5/8 YELLOW - MCM-98025A035 - A	1	\$18.744	\$18.74
Parts	Non-Inventory (Freight) - FREIGHT - A	1	\$19.50	\$19.50
Parts	FLANGED HEAD NOTL YELLOW GR 8 3/4-10 X 2.75 - SMC-1210FLN8Y - A	16	\$3.90	\$62.40
Parts	Non-Inventory (Freight) - FREIGHT - A	1	\$23.5578	\$23.56
Parts	TORQUE ROD (ADJUSTABLE 590 MM) - SMC-2633-DD4-001 - A	1	\$464.269	\$464.27
Parts	ORANGE TAMPER PROOF MARKER - WWG-4TKH1 - A	1	\$10.508	\$10.51
Parts	4.5 CUTOFF WHEEL, THIN CUT - GAS-CGW-45002 - A	5	\$2.692	\$13.46

Item	Description	Quantity	Rate	Amount
Parts	AUTO SLACK ADJUSTER, 28 SPLINE W/ CLEVIS, GUNITE - OGB-KHY-AS1142 - A	4	\$138.521	\$554.08
Parts	HARD-KUT - KIM-80766 - A	1	\$15.85785	\$15.86
Parts	4.5 CUTOFF WHEEL, THIN CUT - GAS-CGW-45002 - A	5	\$2.692	\$13.46
Parts	SA80 3/4 HSS REAMERS 1/2 SHANK - FOR-CCT-SA80-3/4 - A	1	\$91.9592	\$91.96
Parts	SA80 11/16 HSS REAMER 1/2 SHANK - FOR-CCT-SA80-11/16 - A	1	\$107.1532	\$107.15
Parts	KRYON BLACK PAINT - KRY-51601 - A	1	\$14.1716	\$14.17
Parts	GREY PRIMER COLORMASTER - KRY-51318 - A	1	\$11.1541	\$11.15
Parts	UJOINT, 1710 SERIES FULL ROUND - MER-M280X - A	2	\$53.889	\$107.78
Parts	U JOINT, FULL ROUND SD290 ,F6.5-43 SPICER .1810 SERIES - SPI-5-281X - A	1	\$156.2284	\$156.23
Parts	LEVELNG VALVE WITH 9.5" REACH - HAL-42180081 - A	2	\$338.2156	\$676.43
Parts	LUBE FITTING, 1/4" TUBE X 1/8" NPT, MALE SWIVEL - LIN-243699 - A	4	\$17.4234	\$69.69
Parts	WATEROUS C20 SOCKET DRAIN PLUG - WAT-V3723 - A	1	\$5.72	\$5.72
Parts	BRAKE CLEAN - ORE-72408 - A	3	\$5.58	\$16.74
Parts	PARFLEX BRAKE TUBING, 3/8 OD BLUE, TYPE B - PAR-1120-6B-BLU - A	40	\$3.18	\$127.20
Parts	PARFLEX BRAKE TUBING, 1/2 OD BLUE, TYPE B - PAR-1120-8B-BLU - A	20	\$4.00	\$80.00
Parts	Non-Inventory (Freight) - FREIGHT - A	1	\$30.00	\$30.00
			Subtotal	\$97,227.86

Complaint: ALIGNMENT - BEAM FRONT, TANDEM REAR AXLE

Cause: Customer request

Labor	Recommended Correction: Chassis / CHASSIS / MEASURE AND ADJUST AS NEEDED DRIVE AXLE THRUST AND FRONT AXLE - CASTER, AND TOE SETTINGS TO MEET MFG SPEC. STRAIGHTEN STEERING WHEEL IF NEEDED. TORQUE ALL FASTENERS AND APPLY TORQUE SEAL. TEST DRIVE TO VERIFY PROPER STEERING AND VEHICLE TRACKING.	1.00000	\$1,101.00	\$1,101.00
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****NOTE****

THIS SERVICE ASSUMES ALL SUSPENSION COMPONENTS ARE IN PROPER WORKING ORDER, AND ALIGNMENT SPECIFICATIONS CAN BE ACHIEVED. IF COMPONENT REPLACEMENT IS REQUIRED, ADDITIONAL CHARGES WILL APPLY.

Subtotal \$1,101.00

Complaint: THROTTLE BOUNCE - CONDITION OBSERVED DURING TEST DRIVE FOR ROUGH RIDE COMPLAINT

Cause: CUSTOMER REQUEST **Type:** CUSTOMER PAY (Inspection)

Labor	Recommended Correction: Chassis / CHASSIS / INSTALL THROTTLE SIGNAL FILTER SYSTEM BETWEEN THROTTLE PEDAL AND ENGINE ECM	8.00000	\$152.00	\$1,216.00
Parts	MODULE - THROTTLE FILTER - SMC-4786-NN2-001 - A	2	\$3,281.549	\$6,563.10
Parts	HARNASS, THROTTLE FILTER OVER - SMC-4024-GG5-002 - A	1	\$610.529	\$610.53
Parts	PLATE, THROTTLE MNT BRACKET - SMC-8903-RR1-001 - A	1	\$286.769	\$286.77
Parts	FLAT C-SUNK MALE 1/4-20 X 1.5 722739 - SMC-04200150FCMSS - A	4	\$3.90	\$15.60
Parts	SCREW, 10-32 X 3/4 PAN HEAD - SMC-1032075PMSS - A	6	\$3.90	\$23.40
Parts	WASHER, 1/4 FLAT SAE ZINC - SMC-04FWSAEZ - A	4	\$3.90	\$15.60
Parts	WASKER, LOCK 1/4 - SMC-04LWZ - A	4	\$3.90	\$15.60
Parts	WASHER, FLAT 3/16 SAE ZINC 722572 - SMC-S10FWSAEZ - A	6	\$3.90	\$23.40

Item	Description	Quantity	Rate	Amount
Parts	NUT, NYLON INSERT 722370 - SMC-1032NLNZ - A	6	\$3.90	\$23.40
Parts	NUT, 1/4-20 STANDARD ZINC 722459 - SMC-0420SNZ - A	4	\$3.90	\$15.60
Parts	Non-Inventory (Freight) - Non-Inventory (Freight) - A	1	\$100.00	\$100.00
			Subtotal	\$8,909.00

Release unit

Labor	Release unit	0.00000		\$0.00
			Subtotal	\$0.00

	HOUGEN 17 MM ROTALOCK PLUS 1" DEPT CUTTER 17910	1.00	\$27.35	\$27.35
	HOUGEN 17/32" ROTALOC PLUS 1" DEPTH CUTTER (17817)	1.00	\$27.53	\$27.53
	Shop Supplies			\$300.00

Unit: CC075680 (L-1 / 5311- SMEAL 4110) **VIN:** 4S7AX2E98CC075680
 2012 SPARTAN SIRIUS
Chassis: 69,467 Miles
ELECTRICAL: 0 Hours

Labor	\$29,981.00
Parts	\$77,256.86
HOUGEN 17 MM ROTALOCK PLUS 1" DEPT CUTTER 17910	\$27.35
HOUGEN 17/32" ROTALOC PLUS 1" DEPTH CUTTER (17817)	\$27.53
Subtotal	\$107,592.74
EXEMPT (0.0000% of \$0.00)	\$0.00
Total	\$107,592.74

*: Core charges not included in total. You will be charged for any core that is not in returnable condition. This charge may be applied on a separate invoice. This estimate is good for 45 days. This estimate is limited to the stated scope of work, and any work beyond the stated scope will be quoted seperately.