

Description for Purchase (DFP)
for
Tire Repair Tools

1. SCOPE

1.1. Scope. This Description for Purchase describes the Tire Repair Tools required for tire repairs for Army vehicles. The items in this set will be ordered on an individual basis as needed.

2. APPLICABLE DOCUMENTS

2.1. General. The documents listed in this section are specified in sections 3 and 4 of this specification.

2.2. Government documents.

2.2.1. Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are the most current revisions as of the date of issue for this DFP as listed in the ASSIST military database and supplement thereto, cited in the solicitation.

Military Standards

MIL-STD-129	Military Marking for Shipment and Storage
MIL-STD-130	DoD Standard Practice Identification Marking of U.S. Military Property
MIL-STD-810	DoD Test Method Standard
MIL-STD-1916	DoD Preferred Methods for Acceptance of Product
MIL-STD-2073-1D	Standard Practice for Military Packaging

(Copies of these documents are available online from the ASSIST military database at <http://assist.daps.dla.mil/quicksearch/> or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

2.2.2. Other Government documents, drawings and publications. The following other government documents, drawings and publications form a part of this DFP to the extent specified herein. Unless otherwise specified, the issues of these documents are the most current revisions as of the date of issue for this DFP as listed in the ASSIST military database and supplement thereto, cited in the solicitation.

2.3. Non-Government publications. The following document(s) form a part of this DFP to the extent specified herein. Unless otherwise specified, the issues of these documents are the

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Distribution Statement A. Approved for public release: Distribution is unlimited

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to the preparing activity: HQ ARDEC, RDAR-EIL-TC, Rock Island Arsenal, Rock Island, IL 61299-7300.

most current revisions as of the date of issue for this DFP as listed in the ASSIST military database and supplement thereto, cited in the solicitation.

American Society of Mechanical Engineers (ASME)

B107.1	Socket Wrenches, Hand (Inch Series)
B107.10	Handles and Attachments for Hand Socket Wrenches
B107.100	Flat Wrenches
B107.300	Torque Instruments
B107.500	Pliers

(Copies of the above publications are available from The American Society of Mechanical Engineers, Three Park Avenue, New York, NY 10016-5990)

American Society for Testing and Materials (ASTM)

D4169	Standard Practice for Performance Testing of Shipping Containers and Systems
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(Copies of the above publications are available from ASTM International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA 19428-2959)

2.4. Order of Precedence. Unless otherwise noted herein or in the contract, in the event of a conflict between the text of this DFP and the references cited herein, the text of this DFP shall take precedence. Nothing in this DFP, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3.1. Reserved

3.2. Materials. All items shall be new and constructed of parts and materials that are without defects. Unless otherwise specified herein, all items shall be made of any suitable material that will meet the performance requirements set forth in this DFP.

3.3. Industrial quality tools. All items supplied shall be industrial quality. For the purposes of this procurement, the term "industrial quality" is defined as items commercially marketed and manufactured for constant, rigorous, industrial or professional environment use, and that have demonstrated market acceptance. Industrial quality items are used primarily by skilled professionals and technicians in such areas as machine shops, automotive maintenance and repair facilities, aircraft maintenance and repair facilities, industrial automotive assembly plants, fleet maintenance facilities, and airline service facilities. The items will be used for specialized applications in an environment of virtual constant use, (i.e. around-the-clock 8 hour shifts), with applications requiring high torque, low slippage, and strict tolerances. Industrial quality is demonstrated by evidence of substantial sales to industrial customers. Advertising or marketing

literature that indicates "professional grade" or "industrial quality", or merely stating that an item is "professional grade" or "industrial quality" is insufficient to establish industrial quality. A claim that an item is manufactured to an industry consensus standard is also insufficient to establish industrial quality. Industrial quality items shall have verifiable marketplace acceptance.

3.3.1. Market acceptance. The contracting officer may require offerors to provide evidence of market acceptance in the professional or industrial market. Evidence of acceptance by industrial/professional customers includes sales to fleet operators, distributors, contractors, industrial and professional users, and sales to distributors who retail exclusively to the professional or industrial market.

3.3.2. Brand name or Equal. The items identified in Table 1 shall be offered as either Brand Name or Equal. Each item listed contains manufacturer's part numbers for reference.

Brand Name or Equal products shall be provided. Offerors may offer an equivalent item provided that the offered item has the same or better form, fit, function, quality and warranty as the brand name item. If an equal product is provided the product shall comply with the Salient Characteristics of the tools which refers to: A. Compliance with applicable commercial item descriptions (Table 1 of section 3.5), B. Compliance with Industrial Quality definition as defined in 3.3, C. Compliance with Individual dimensions and characteristics outlined in Table 1 of section 3.5 in its entirety, and D. Compliance with the warranty requirements outlined in Table 1 of section 3.5.

3.4. Warranty. All items shall be supplied with the warranties as specified in Table 1 below or better. The offeror shall state the length and terms of the warranties in response to the solicitation. The warranties shall become part of the contract or delivery order.

3.5. Items. Items are listed and described in Table 1 below. The Tire Repair Tools will be ordered on an as-needed basis. Quantities will be determined per order. All offered items shall be industrial quality as defined above (see paragraph 3.2).

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
Air Tools						
3.5.1	5130	Wrench, Impact, Pneumatic, 1/2 inch drive	The impact wrench shall have a 1/2 inch square drive, a 3/8 inch air inlet with 1/4"-18 NPT thread and be capable of producing no less than 1000 blows per minute. The wrench shall be capable of providing no less than 800 ft-lb of working torque with a free speed of 9,500 rpm (revolutions per minute). The wrench shall have a pistol grip with a cushion grip and a sealed mechanism.	EA	M	Snap-On MG725

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.2	5130	Wrench, Impact, Pneumatic, 3/4 inch drive	The impact wrench shall have a 3/4 inch square drive, a 3/8 inch air inlet with 1/4"-18 NPT thread and be capable of producing no less than 1100 blows per minute. The wrench shall be capable of providing no less than 1200 ft-lb of working torque with a free speed of no less than 7,000 rpm. The wrench shall have a pistol grip with a cushion grip and a sealed mechanism.	EA	M	Snap-On MG1200
3.5.3	5130	Wrench, Impact, Pneumatic, 1 inch drive	The pneumatic impact wrench shall have a 1 inch square drive, be compatible with 1/2 inch hose, and be capable of producing no less than 600 blows per minute. The wrench shall be capable of providing no less than 1700 ft-lbs of maximum torque with a free speed of no less than 5,000 rpm. The wrench shall have a d-handle with an interior trigger and a side support handle. The wrench shall weigh no more than 22 lbs.	EA	M	Sioux Tool IW100HAI-8H
3.5.4	5130	Ratchet, Air, 3/8 inch drive	The air ratchet shall have a 3/8 inch square drive, a 3/8 inch air inlet with a 1/4"-18 NPT thread and be capable of producing no less than 5 to 65 ft-lbs of torque at 225 rpm. The air wrench shall run on no more than 2.7 CFM (cubic feet per minute) air.	EA	M	Snap-On FAR72C
3.5.5	5130	Grinder, Air, Angle, 4 inches	The pneumatic angle grinder shall have a capacity for a 4-1/2 inch wheel with a 7/8 inch arbor. The grinder shall have a 3/8 inch air inlet with a 1/4"-18 NPT thread and be capable of producing no less than 12,000 rpm free speed. The grinder shall have a side handle and be used for grinding welds, cleaning surfaces and removing material.	EA	M	Snap-On PT450
3.5.6	5130	Disc, Grinding, 4-1/2 inches, Coarse	The grinding disc shall be nominally 4-1/2 inches in diameter by 1/4 inch thick with a 7/8 inch arbor hole. The disc shall have coarse grit, be compatible with the air grinder described in 3.5.5 above and be rated for use at no less than 12,000 rpm. The discs shall be supplied in a package of 5.	SE	N	Snap-On ETA250

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.7	5130	Grinder, Air, 1/4 inch collet	The pneumatic grinder shall run on 4.17 cfm air and shall have a 3/8 inch hose attachment with 1/4"-18 NPT thread. The grinder shall be capable of a free speed of no less than 25,000 rpm and be rated at less than 85 dBA sound level. The grinder shall be no more than 8 inches long with a dual taper collet system used for heavy duty grinding with 1/4 inch mounted points and 1/4 inch grinding burrs.	EA	M	Snap-On PT400
3.5.8	5130	Burr, Grinding, Cone	The grinding burr shall be cone shaped with a 1/2 to 1 inch flute length and a 1/2 inch diameter head. The burr shall be rated for no less than 16,000 rpm on cast iron and 24,000 rpm on stainless steel. The burr shall be designed for use with ferrous metals and shall be compatible with the air grinder described in 3.5.7.	EA	N	Snap-On VWB8B Rota File G229
3.5.9	5130	Burr, Grinding, Cylinder	The grinding burr shall be cylindrical shaped with a 1/2 to 1 inch flute length and a 1/4 inch diameter head. The burr shall be rated for no less than 22,000 rpm on cast iron and 23,000 rpm on stainless steel. The burr shall be designed for use with ferrous metals and shall be compatible with the air grinder described in 3.5.7.	EA	N	Snap-On VWB1C Rota File G106
3.5.10	5130	Cutter, Drill Bit, 3/8 inch	The cutter drill bit shall have a 1/4 inch shank, a 3/8 inch diameter with pointed tip and a flute length of 1 inch. The bit shall be made of carbide steel and be rated for use on ferrous metals. The bit shall be compatible with the grinder described in 3.5.7 and be supplied in a case of 10 bits.	EA	N	REMA Tip Top CC-10
3.5.11	5130	Cutter, Drill Bit, 1/2 inch	The cutter drill bit shall have a 1/4 inch shank, a 1/2 inch diameter with pointed tip and a flute length of 1 inch. The bit shall be made of carbide steel and be rated for use on ferrous metals. The bit shall be compatible with the grinder described in 3.5.7 and be supplied in a case of 10 bits.	EA	N	REMA Tip Top CC12
3.5.12	5130	Drill, Air, 1/2 inch drive	The pneumatic drill shall have a 1/2 inch chuck and be reversible. The drill shall run on a nominal 3.8 cfm supplied by a 3/8 inch hose with a 1/4"-18 NPT thread. The drill shall be capable of delivering no less than 300 in-lbs of torque and have a free speed of no less than 450 rpm. The drill shall have a pistol grip and a side handle.	EA	M	Snap-On PDR5000A

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Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.13	5130	Drill, Air, 3/8 inch drive	The pneumatic drill shall have a 3/8 inch chuck. The drill shall run on a nominal 3.5 cfm supplied by a 3/8 inch hose with a 1/4"-18 NPT thread. The drill shall be capable of delivering no less than 50 in-lbs of torque and have a free speed of no less than 2500 rpm. The drill shall have a pistol grip.	EA	M	Snap-On PDR3000A
3.5.14	5130	Saw, Hole, 1-1/8 inch	The hole saw shall have a 1-1/8 inch diameter and shall be used to cut holes in metal, wood and plastic. The hole saw shall connect to the 3/8 inch arbor described in 3.5.17 and as an assembly be compatible with the air drills described in 3.5.12 and 3.5.13.	EA	N	Blu-Mol (Disston) C18
3.5.15	5120	Saw, Hole, 1-1/2 inch	The hole saw shall have a 1-1/2 inch diameter and shall be used to cut holes in metal, wood and plastic. The hole saw shall connect to the 3/8 inch arbor described in 3.5.16 and as an assembly be compatible with the air drills described in 3.5.12 and 3.5.13.	EA	N	Blu-Mol (Disston) C24
3.5.16	3460	Arbor, Hole Saw, 5/8"-18 NPT	The hole saw arbor shall fit hole saws 1-1/4 through 6 inches in diameter. The arbor shall feature a 5/8"-18 NPT thread and shall connect the hole saw to a 3/8 inch drill chuck. The arbor shall be compatible with the 1-1/2 inch hole saw described in 3.5.15 and the air drills described in 3.5.12 and 3.5.13.	EA	M	Snap-On LHS3D Blu-Mol (Disston) 5546
3.5.17	3460	Arbor, Hole Saw, 1/2"-20 NPT	The hole saw arbor shall fit hole saws 9/16 through 1-3/16 inches in diameter. The arbor shall feature a 1/2"-20 NPT thread and shall connect the hole saw to a 3/8 inch drill chuck. The arbor shall be compatible with the 1-1/8 inch hole saw described in 3.5.14 and the air drills described in 3.5.12 and 3.5.13.	EA	M	Snap-On LHS6C Blu-Mol (Disston) 5514
3.5.18	5130	Saw, Reciprocating, Air	The reciprocating air saw shall have an average air consumption of 35 CFM and be compatible with a 3/8 inch diameter hose with 1/4 inch NPT thread. The air saw shall produce no less than 1800 strokes per minute with a stroke length of no less than 3/8 inches. The saw shall have a blade guard and be capable of holding and being safely operated with blades that are 4 and 6 inches long. The saw shall be supplied with no less than two blades.	EA	M	Sioux Tool 1300

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.19	5130	Blades, Reciprocating Saw, 5-8 TPI	The reciprocating saw blades shall be 6 inches long with 5 to 8 variable TPI. The blades shall be bi-metal or carbon and be used for general purpose cutting of metal, plastic and wood with nails. The blades shall be supplied in a package of no less than 5. The blades shall be compatible with the air saw described in 3.5.18.	SE	N	Dewalt DW4847
3.5.20	5130	Blades, Reciprocating Saw, 24 TPI	The reciprocating saw blades shall be 6 inches long with 24 TPI. The blades shall be bi-metal or carbon and be used for metal cutting applications. The blades shall be supplied in a package of no less than 5. The blades shall be compatible with the air saw described in 3.5.18.	SE	N	Dewalt DW4813
3.5.21	4730	Hose, Air, 3/8 inch	The air hose shall be a heavy duty multi-purpose rubber or rayon air hose with a diameter of 3/8 inch. The hose shall be rated for no less than 250 PSI and for use in no less than -20 to 180 degree Fahrenheit temperatures. The hose shall be supplied with no less than 50 feet of hose in coupled assembly with the necessary fittings.	EA	M	Ingersoll-Rand BH6C
3.5.22	4730	Hose, Air, 1/2 inch	The air hose shall be a heavy duty multi-purpose rubber or rayon air hose with a diameter of 1/2 inch. The hose shall be rated for no less than 250 PSI and for use in no less than -20 to 180 degrees Fahrenheit temperatures. The hose shall be supplied with no less than 50 feet of hose in coupled assembly with the necessary fittings.	EA	M	Ingersoll-Rand BH8A
3.5.23	4730	Hose, Air, 3/4 inch	The air hose shall be a heavy duty multi-purpose rubber or rayon air hose with a diameter of 3/4 inches. The hose shall be rated for no less than 250 PSI and for use in no less than -20 to 180 degree Fahrenheit temperatures. The hose shall be supplied with no less than 50 feet of hose in coupled assembly with the necessary fittings.	EA	M	Ingersoll-Rand BH12A

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Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.24	4910	Inflation System, Tire, Automatic	The tire inflation system shall be used to inflate tires on 19.5 inch rims and larger or on multiple truck tires. The system shall be rated for indoor and outdoor use and capable of inflating no less than 4 tires simultaneously. The inflation system shall have a 1/2 inch air inlet, an operating range of 5 to 145 psi adjustable in 1 psi increments and shall be accurate to 0.3 psi. The system shall self-calibrate during power up or every 6 minutes and shall be powered by 110 volts with a 12 volt option. The system shall be supplied with an air flow control valve.	SE	M	Haltec 89-XDB
3.5.25	4730	Chuck, Air, Barbed, Clip On	The air chuck shall be a closed-type chuck with a male serrated shank for 1/4 inch inner diameter hose. The chuck shall be a European-style clip-on air chuck.	EA	M	Haltec CH-320
3.5.26	4730	Chuck, Air, Lock On, Std Bore	The air chuck shall lock onto the cap threads of a standard bore valve stem when the sliding sleeve is pushed to the forward position. The chuck shall release when the sleeve is pulled back and shall be compatible with the inflation system described in 3.5.24.	EA	M	Haltec H-5265
3.5.27	4730	Chuck, Air, Ball Foot, Clip	The ball foot air chuck with clip shall have a 3/4 inch hex with a 1/4 inch NPT female thread. The chuck shall have a heavy duty spring that holds the chuck onto the valve while inflating tires.	EA	M	Haltec CH-315
3.5.28	4730	Chuck, Air, European Style	The air chuck shall be a European-style clip-on air chuck with a brass 1/4 inch female fitting. The chuck shall be closed.	EA	M	Haltec CH-360
3.5.29	4730	Chuck, Air, Large Bore, Clip	The clip-on air chuck shall lock on the valve when the sleeve is pushed forward and shall release when the sleeve is pulled back. The chuck shall have 1/4 inch NPT female thread and shall attach to a 1/4 inch NPT hose fitting.	EA	M	Gampler H4660A
3.5.30	4730	Chuck, Dual Foot	The air chuck shall be a dual-foot, lock-on style air chuck with a 6 inch long stem. The air chuck shall be compatible with 3/8 inch housing and shall be supplied in no less than a box of 10.	EA	M	REMA Tip Top 763
3.5.31	4730	Oil, Air tool, #10	The air tool oil shall be class 1 #10 oil for use with percussive, assembly and impact wrenches. The oil shall be supplied in a 1 pint bottle.	EA	N	Ingersoll-Rand 10P

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.32	4730	Oil, Air Tool, #50	The air tool oil shall be class II #50 oil for use with grinders, impact wrenches, hoists and winches. The oil shall be supplied in a 1 pint bottle.	EA	N	Ingersoll-Rand 50P
3.5.33	4930	Gun, Grease, Air, manual	The grease gun shall be manually operated with a lever and shall have a capacity to hold no less than 16 ounces (oz) bulk grease or a 14.25 oz cartridge. The grease gun shall develop 6,000 psi. The gun shall have an 18 inch flexible hose and a 6 inch rigid extension.	EA	M	Snap-On YA728A
3.5.34	4720	Hose, Grease Gun, 18 inch	The flex whip hose shall be 18 inches long with a 1/8 inch NPT male fitting. The hose shall be compatible with the grease gun described in 3.5.34.	EA	M	Snap-On YA758
3.5.35	4730	Grease, 8lb	The grease shall be premium impact grease for use at temperatures exceeding 100 degrees Fahrenheit. The grease shall be used with impact mechanisms and shall be compatible with the grease gun described in 3.5.34. The grease shall be supplied in a container of no less than 8 lbs.	EA	N	Ingersoll-Rand 170-8LB
3.5.36	5180	Buffer, Air, 1/4 inch chuck	The air buffer shall be a low speed tire buffer capable of variable speeds of no more than 2,800 RPM. The air buffer shall have a 1/4 inch quick release chuck and a rear exhaust system.	EA	M	REMA Tip Top CP-873K
3.5.37	5180	Arbor	The arbor shall be a quick release arbor with 3/8"-24 NPT threaded drive. The arbor shall be compatible with the buffer described in 3.5.37 and the contour wheels described in 3.5.39 (16 grit), 3.5.40 (36 grit) and 3.5.41 (60 grit).	EA	M	REMA Tip Top 6066
3.5.38	5180	Texture wheel, contour, 16 grit	The contour wheel shall be 3 inches in diameter by 1-1/4 inches wide with 16 grit and a 3/8 inch bore. The contour wheel shall be flared and be used for texturing and removing rubber from tires. The wheel shall be made of metal and be compatible with the air buffer (3.5.37) and the arbor (3.5.38).	EA	M	REMA Tip Top RH116
3.5.39	5180	Texture wheel, contour, 36 grit	The contour wheel shall be 3 inches in diameter by 1-1/4 inches wide with 36 grit and a 3/8 inch bore. The contour wheel shall be flared and be used for texturing and removing rubber from tires. The wheel shall be made of metal and be compatible with the air buffer (3.5.37) and the arbor (3.5.38).	EA	M	REMA Tip Top RH-114

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Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.40	5180	Texture wheel, contour, 60 grit	The contour wheel shall be 2-1/2 inches in diameter by 1-1/16 inches wide with 60 grit and a 3/8 inch bore. The contour wheel shall be flared and be used for texturing and removing rubber from tires. The wheel shall be made of metal and be compatible with the air buffer (3.5.37) and the arbor (3.5.38).	EA	M	REMA Tip Top RH107
3.5.41	4730	Swivel Tool, Air, 3/8 inch	The 360-degree stacked air swivel tool shall be a 3/8 inch male to female fitting. The tool shall be rated for no less than 150 PSI and shall be steel with plastic housing.	EA	M	Grainger (Dyna-Con) 4TK98
3.5.42	4730	Swivel Tool, Air, 1/2 inch	The 360-degree stacked air swivel tool shall be a 1/2 inch male to female fitting. The tool shall be rated for no less than 150 PSI and shall be steel with plastic housing.	EA	M	Grainger (Dyna-Con) 4TK99
3.5.43	4730	Swivel Tool, Air, 3/4 inch	The air swivel tool shall be a straight swivel with 3/4 inch male to female fittings. The tool shall be rated for no less than 1000 PSI and shall be made of corrosion resistant steel overall.	EA	M	Ingersoll-Rand 635108 Parker PS1210102-12-12-S3
3.5.44	4730	Coupler, Plug, Male, 3/8 inch, 3/8 NPT	The male coupler plug shall have an industrial interchange nipple with a 3/8 inch body and male 3/8 inch NPT. The plug shall be capable of an average air flow of 72 CFM and shall be made of steel with corrosion resistant surface finish.	EA	M	Ingersoll-Rand PRPM33 Parker H2E
3.5.45	4730	Coupler, Plug, Female, 3/8 inch, 3/8 NPT	The female coupler plug shall have an industrial interchange nipple with a 3/8 inch body and female 3/8 inch NPT. The plug shall be capable of an average air flow of 72 CFM and shall be made of steel with corrosion resistant surface finish.	EA	M	Ingersoll-Rand MSPF33 Parker H3E
3.5.46	4730	Coupler, Plug, Male, 1/4 inch, 3/8 NPT	The male coupler plug shall have an industrial interchange nipple with a 1/4 inch body and male 3/8 inch NPT. The plug shall be capable of an average air flow of 38 CFM and shall be made of steel with corrosion resistant surface finish.	EA	M	Ingersoll-Rand MSPM23 Parker H2C-E
3.5.47	4730	Coupler, Plug, Female, 1/4 inch, 3/8 NPT	The female coupler plug shall have an industrial interchange nipple with a 1/4 inch body and female 3/8 inch NPT. The plug shall be capable of an average air flow of 38 CFM and shall be made of steel with corrosion resistant surface finish.	EA	M	Ingersoll-Rand MSPF23 Parker H3C-E

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3.5.48	4730	Coupler, Plug, Male, 1/2 inch, 3/8 NPT	The male coupler plug shall have an industrial interchange nipple with a 1/2 inch body and male 3/8 inch NPT. The plug shall be capable of an average air flow of 85 CFM and shall be made of steel with corrosion resistant surface finish.	EA	M	Ingersoll-Rand MSPM43 Parker H0F
3.5.49	4730	Coupler, Plug, Female, 1/2 inch, 3/8 NPT	The female coupler plug shall have an industrial interchange nipple with a 1/2 inch body and female 3/8 inch NPT. The plug shall be capable of an average air flow of 85 CFM and shall be made of steel with corrosion resistant surface finish.	EA	M	Ingersoll-Rand MSPF43 Parker H1F
3.5.50	4730	Coupler, Plug, Male, 1/2 inch, 1/2 NPT	The male coupler plug shall have an industrial interchange nipple with a 1/2 inch body and male 1/2 inch NPT. The plug shall be capable of an average air flow of 85 CFM and shall be made of steel with corrosion resistant surface finish.	EA	M	Ingersoll-Rand MSPM44 Parker H2F
3.5.51	4730	Coupler, Plug, Female, 1/2 inch, 1/2 NPT	The female coupler plug shall have an industrial interchange nipple with a 1/2 inch body and female 1/2 inch NPT. The plug shall be capable of an average air flow of 85 CFM and shall be made of steel with corrosion resistant surface finish.	EA	M	Ingersoll-Rand MSPF44 Parker H3F
3.5.52	4730	Coupler, Plug, Male, 3/8 inch, 1/2 NPT	The male coupler plug shall have an industrial interchange nipple with a 3/8 inch body and male 1/2 inch NPT. The plug shall be capable of an average air flow of 72 CFM and shall be made of steel with corrosion resistant surface finish.	EA	M	Ingersoll-Rand MSPM34 Parker H2E-F
3.5.53	4730	Coupler, Plug, Female, 3/8 inch, 1/2 NPT	The female coupler plug shall have and industrial interchange nipple with a 3/8 inch body and female 1/2 inch NPT. The plug shall be capable of an average air flow of 72 CFM and shall be made of steel with corrosion resistant surface finish.	EA	M	Ingersoll-Rand 45ATH Parker H3E-F
3.5.54	4730	Coupler, Plug, Male, 1/2 inch, 3/4 NPT	The male coupler plug shall have an industrial interchange nipple with a 1/2 inch body and male 3/4 inch NPT. The plug shall be capable of an average air flow of 85 CFM and shall be made of steel with corrosion resistant surface finish.	EA	M	Ingersoll-Rand MSPF46 Parker H2F-G

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Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.55	4730	Coupler, Quick, Female, 3/8 inch body, 3/8 inch standard barb	The female rigid mounting, sleeve type quick coupler shall have a 3/8 inch body with 3/8 inch standard barb hose connection. The coupler shall be rated for no less than 300 PSI and a temperature range of -40 to 250 degrees Fahrenheit. The coupler shall be made of brass or steel overall with corrosion resistant surface finish. The coupler shall be supplied with a hose clamp capable of accepting a diameter of no less than 0.677 inches.	EA	M	Parker HF-371-6HB and 97HC-6
3.5.56	4730	Coupler, Quick, Female, 1/4 inch body, 3/8 inch standard barb	The female rigid mounting, sleeve type quick coupler shall have a 1/4 inch body with 3/8 inch standard barb hose connection. The coupler shall be rated for no less than 300 PSI and a temperature range of -40 to 250 degrees Fahrenheit. The coupler shall be made of brass or steel overall with corrosion resistant surface finish. The coupler shall be supplied with a hose clamp capable of accepting a diameter of no less than 0.677 inches.	EA	M	Parker HF-251-6HB and 97HC-6
3.5.57	4730	Coupler, Quick, Female, 1/2 inch body, 1/2 inch standard barb	The female rigid mounting, sleeve type quick coupler shall have a 1/2 inch body with 1/2 inch standard barb hose connection. The coupler shall be rated for no less than 300 PSI and a temperature range of -40 to 250 degrees Fahrenheit. The coupler shall be made of brass or steel overall with corrosion resistant surface finish. The coupler shall be supplied with a hose clamp capable of accepting a diameter of no less than 0.875 inches.	EA	M	Parker B36-6B and 97HC-8
3.5.58	4730	Coupler, Quick, Female, 3/8 inch body, 1/2 inch standard barb	The female rigid mounting, sleeve type quick coupler shall have a 3/8 inch body with 1/2 inch standard barb hose connection. The coupler shall be rated for no less than 300 PSI and a temperature range of -40 to 250 degrees Fahrenheit. The coupler shall be made of brass or steel overall with corrosion resistant surface finish. The coupler shall be supplied with a hose clamp capable of accepting a diameter of no less than 0.875 inches.	EA	M	Parker HF-371-8HB and 97HC-8

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.59	4730	Coupler, Quick, Female, 1/2 inch body, 3/4 inch standard barb	The female rigid mounting, sleeve type quick coupler shall have a 1/2 inch body with 3/4 inch standard barb hose connection. The coupler shall be rated for no less than 300 PSI and a temperature range of -40 to 250 degrees Fahrenheit. The coupler shall be made of brass or steel overall with corrosion resistant surface finish. The coupler shall be supplied with a hose clamp capable of accepting a diameter of no less than 1.125 inches.	EA	M	Parker B36-7B and 97HC-12
3.5.60	4730	Coupler, Quick, Female, 3/4 inch body, 3/4 inch standard barb	The female rigid mounting, sleeve type quick coupler shall have a 3/4 inch body with 3/4 inch standard barb hose connection. The coupler shall be rated for no less than 300 PSI and a temperature range of -40 to 250 degrees Fahrenheit. The coupler shall be made of brass or steel overall with corrosion resistant surface finish. The coupler shall be supplied with a hose clamp capable of accepting a diameter of no less than 1.125 inches.	EA	M	Parker B28-7B and 97HC-12
3.5.61	4730	Coupler, Quick, Male, 3/8 inch body, 3/8 inch NPT	The male sleeve type industrial interchange quick coupler shall have a 3/8 inch body with male 3/8 inch NPT. The coupler shall be rated for no less than 300 PSI and a temperature range of -40 to 250 degrees Fahrenheit. The coupler shall be made of steel overall with corrosion resistant surface finish.	EA	M	Legacy A74620 Parker HF-371-6MP-S
3.5.62	4730	Coupler, Quick, Female, 3/8 inch body, 3/8 inch NPT	The female sleeve type industrial interchange quick coupler shall have a 3/8 inch body with female 3/8 inch NPT. The coupler shall be rated for no less than 300 PSI and a temperature range of -40 to 250 degrees Fahrenheit. The coupler shall be made of steel overall with corrosion resistant surface finish.	EA	M	Legacy A74610 Parker HF-371-6FP-S
3.5.63	4730	Coupler, Quick, Male, 1/4 inch body, 3/8 inch NPT	The male sleeve type industrial interchange quick coupler shall have a 1/4 inch body with male 3/8 inch NPT. The coupler shall be rated for no less than 300 PSI and a temperature range of -40 to 250 degrees Fahrenheit. The coupler shall be made of steel overall with corrosion resistant surface finish.	EA	M	Legacy A73620 Parker HF-251-6MP-S

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.64	4730	Coupler, Quick, Female, 1/4 inch body, 3/8 inch NPT	The female sleeve type industrial interchange quick coupler shall have a 1/4 inch body with female 3/8 inch NPT. The coupler shall be rated for no less than 300 PSI and a temperature range of -40 to 250 degrees Fahrenheit. The coupler shall be made of steel overall with corrosion resistant surface finish.	EA	M	Legacy A73610 Parker HF-251-6FP-S
3.5.65	4730	Coupler, Quick, Male, 1/2 inch body, 1/2 inch NPT	The male sleeve type industrial interchange quick coupler shall have a 1/2 inch body with male 1/2 inch NPT. The coupler shall be rated for no less than 300 PSI and a temperature range of -40 to 250 degrees Fahrenheit. The coupler shall be made of brass or steel with corrosion resistant surface finish.	EA	M	Legacy A75820-X Parker HF-501-8MP
3.5.66	4730	Coupler, Quick, Female, 1/2 inch body, 1/2 inch NPT	The female sleeve type industrial interchange quick coupler shall have a 1/2 inch body with female 1/2 inch NPT. The coupler shall be rated for no less than 300 PSI and a temperature range of -40 to 250 degrees Fahrenheit. The coupler shall be made of brass or steel with corrosion resistant surface finish.	EA	M	Legacy A75810-X Parker HF-501-8FP
3.5.67	4730	Coupler, Quick, Male, 3/8 inch body, 1/2 inch NPT	The male sleeve type industrial interchange quick coupler shall have a 3/8 inch body with male 1/2 inch NPT. The coupler shall be rated for no less than 300 PSI and a temperature range of -40 to 250 degrees Fahrenheit. The coupler shall be made of brass or steel with corrosion resistant surface finish.	EA	M	Ingersoll-Rand HFCM34 Parker HF-371-8MP
3.5.68	4730	Coupler, Quick, Female, 3/8 inch body, 1/2 inch NPT	The female sleeve type industrial interchange quick coupler shall have a 3/8 inch body with female 1/2 inch NPT. The coupler shall be rated for no less than 300 PSI and a temperature range of -40 to 250 degrees Fahrenheit. The coupler shall be made of brass or steel with corrosion resistant surface finish.	EA	M	Ingersoll-Rand HFCE34 Parker HF-371-8FP
3.5.69	4730	Coupler, Quick, Male, 1/2 inch body, 3/4 inch NPT	The male sleeve type industrial interchange quick coupler shall have a 1/2 inch body with male 3/4 inch NPT. The coupler shall be rated for no less than 300 PSI and a temperature range of -40 to 250 degrees Fahrenheit. The coupler shall be made of brass or steel with corrosion resistant surface finish.	EA	M	Legacy A751220 Parker B36G

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.70	4730	Coupler, Quick, Female, 1/2 inch body, 3/4 inch NPT	The female sleeve type industrial interchange quick coupler shall have a 1/2 inch body with female 3/4 inch NPT. The coupler shall be rated for no less than 300 PSI and a temperature range of -40 to 250 degrees Fahrenheit. The coupler shall be made of brass or steel with corrosion resistant surface finish.	EA	M	Legacy A751210 Parker B37G
3.5.71	4310	Compressor, Rotary Screw, 15HP, 65 CFM	The rotary screw air compressor shall be air-cooled and oil-injected. The compressor shall have a 15 HP, 3-phase engine powered by 230/460 volts (V) \pm 10%. The air compressor shall have an 80 gallon horizontally mounted tank with a capacity of no less than 60 acfm (Actual Cubic Feet per Minute) at 100 PSI, shall be skid mounted for stationary use and shall have a manual drain system. The compressor shall be compatible with the refrigerated air dryer described in 3.5.72.	EA	M	Ingersoll-Rand XF15
3.5.72	4310	Compressor, 2 stage reciprocating, lubricated	The reciprocating air compressor shall be air-cooled, shall have a low oil level switch and an electric drain. The machine shall have a 2-stage lubricated compressor with a 25 HP, 3-phase engine powered by 230/460 V \pm 10% and 60 hz. The air compressor shall have a 120 gallon horizontal tank with a capacity of no less than 82 CFM at 175 PSI. The air compressor shall have a centrifugal unloader, be skid mounted and be compatible with the refrigerated air dryer described in 3.5.72.	EA	M	Ingersoll-Rand 2000E25-FP
3.5.73	4310	Dryer, Refrigerated Air	The refrigerated air dryer shall include a pre-cooler and re-heater, heat exchanger, digital controls and air/water separation. The dryer shall be a 3 phase unit powered by 230 Volts and 60 Hz. The dryer shall have a nominal flow of 600 cfm and shall withstand temperatures of no less than 35 to 114 degrees Fahrenheit. The dryer shall be compatible with the rotary compressor described in 3.5.70 and the 2-stage compressor described in 3.5.71.	EA	M	Ingersoll-Rand D1020IN

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.74	4330	Oil and Water Separator	The oil and water separator system shall be capable of removing liquid moisture, solid particles and oil from compressed air. The separator shall be compatible with both reciprocating and rotary air compressors described in 3.5.70 and 3.5.71 and be rated for no less than 82 CFM. The separator shall be made of corrosion resistant materials and shall be capable of filtering out no less than the following components: polyglycol, mineral oil, synthetic oil, PAO, ester and diester.	EA	M	Ingersoll-Rand PSG-15
3.5.75	4910	Inflator, Heavy-duty, 2-lines	The heavy-duty hose inflator shall transfer one 1/2 inch line to two separate lines, each with a separate clip-on chuck. The hose inflator shall have one chuck for standard valves and one for large valves, each connected with a hose that is nominally 5 feet long. The inflator shall have 1/4 inch NPT male hose fittings and shall have a feature requiring that only one hose is open at any time.	EA	M	Haltec I-404
3.5.76	4910	Inflator, Tire	The extra heavy duty inflator shall have a 1/2 inch male NPT hose fitting and a 3/8 inch inflator. The inflator shall have a straight clip-on chuck and a nominal 5 foot long hose. The inflator shall have a provision for checking air pressure.	EA	M	Haltec I-401
3.5.77	4910	Inflator, Tire, locking, w/gauge	The inflating gauge shall be an inflation unit with an in-line gauge. The gauge shall have a range of 10 to 120 PSI with 2 pound increments. The gauge shall have 1/4 inch female NPT inlet with a lock-on air chuck. The gauge shall have a nominal 6 foot long hose and a maximum inlet pressure of 200 psi. The gauge shall be capable of being used on aluminum wheels.	EA	M	Haltec I-405LO
Lubrication / Tire Sealants						

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.78	4910	Cabinet, Tire Patch, REMA	<p>The tire patch cabinet shall be a wall mount cabinet that is nominally 20 inches by 20 inches. The cabinet shall be made of steel with a hinged door and a shelf inside. The cabinet shall be supplied stocked with no less than the following:</p> <ul style="list-style-type: none"> (1) box of 30 #2 tube repair vulcanizing patches (1) box of 30 #3 tube repair vulcanizing patches (1) box of 40 A-4.5 Minicombi tire repair inserts (1) box of 40 A-6 Minicombi tire repair inserts (1) box of 10 B-10 Minicombi (1) box of 20 B-10 Minicombi (1) box of 50 UP-6 Universal repair units (1) box of 50 UP-8 Universal repair units (1) box of 10 626 Pull wires (1) box of 20 RAD-120 radial repair units (1) box of 60 RS-6 Stems (1) box of 60 RS-8 Stems (1) box of 20 RS-10 Stems (1) 8 oz. can Vulcanizing fluid (1) 16 oz. can Repair sealant (1) 8 oz. can Special blue cement (1) 16 oz. can Tire talc (1) 16 oz. can Pre-buff cleaner (aerosol) (1) inner liner scraper (1) CC-4.5 Carbide cutter (1) CC-6 Carbide cutter (1) CC-8 Carbide cutter (1) CC-10 Carbide cutter (1) brass bristle brush (1) Nailhole Repair Training CD TRM-CD (1) R.M.A. Nailhole Repair Application Chart 	EA	M	REMA Tip Top 26-NT
Tire repair tools						
3.5.79	4920	Cage, Tire, 54 inches	<p>The tire cage shall be made of 2.25 inch diameter steel tubing permanently mounted to a base. The cage shall be steel overall with corrosion resistant surface finish. The cage shall be capable of accepting tires that are no less than 54 inches in diameter by 21.5 inches wide with a maximum inflation pressure of no less than 120 psi. The cage shall be a 5 bar structure and meet OSHA requirements.</p>	EA	M	Branick BR-2250

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.80	4920	Cage, Tire, 59 inches	The tire cage shall be made of 2.25 inch diameter steel tubing permanently mounted to a base. The cage shall be steel overall with corrosion resistant surface finish. The cage shall be capable of accepting tires that are no less than 59 inches in diameter by 29 inches wide with a maximum inflation pressure of no less than 120 psi. The cage shall be a 6 bar structure and meet OSHA requirements.	EA	M	Branick BR-2260
3.5.81	4920	Cage, Tire, 76 inches	The tire cage shall contain the tire on all four sides as well as the top and bottom and shall have a self locking door. The cage shall be made of 2 inch by 2 inch steel tubing with a wire mesh and be permanently mounted to a base. The cage shall be steel overall with corrosion resistant surface finish. The cage shall be capable of accepting tires that are no less than 76 inches in diameter by 35 inches wide with a maximum inflation pressure of no less than 195 psi. The cage shall meet OSHA requirements.	EA	M	Martins Industries MIC-AUHD78
3.5.82	4920	Cage, Tire, 115 inches	The tire cage shall contain the tire on all four sides as well as the top and bottom and shall have two self locking doors. The cage shall be made of 2 inch by 2 inch steel tubing with a wire mesh and be permanently mounted to a base. The cage shall be steel overall with corrosion resistant surface finish. The cage shall be capable of accepting tires that are no less than 115 inches in diameter by 48 inches wide with a maximum inflation pressure of no less than 195 psi. The cage shall have an automatic tire inflator that activates only when both doors are properly closed and be equipped with an adjustable tire cradle capable of accommodating varying sized tires. The cage shall meet OSHA requirements.	EA	M	Martins Industries MIC-AUHD-MINE
3.5.83	5120	Tool, Valve Core, Large Bore, 4-way	The large bore 4-way core tool shall be used for thread repair for core and cap threads and shall remove cores. The tool shall be made of metal overall.	EA	M	Hanco TL-690
3.5.84	5120	Tool, Valve Core, STD Bore, 4-way	The standard bore 4-way valve repair tool shall be capable of repairing internal and external threads as well as removing in-tact and broken valve cores. The tool shall be made of metal overall.	EA	M	American Automotive 43-355

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.85	5120	Tool, Valve Core, Large Bore	The large bore valve core tool shall be used to remove or replace valve cores on air-conditioning systems. The tool shall also be used to install valve stems in tubeless tire rim. The tool shall have a screwdriver-type plastic handle and a corrosion resistant metal shank that is no less than 4.375 inches long.	EA	M	Snap-On TR109
3.5.86	5120	Tool, Valve Core, Standard Bore	The standard bore valve core tool shall be used to remove or install standard valve cores. The tool shall also be used to install valve stems in tubeless tire rim. The tool shall have a screwdriver-type plastic handle and a corrosion resistant metal shank that is no less than 4.375 inches long.	EA	M	Snap-On TR107A
3.5.87	5210	Gauge, Depth, Tread, Tire	The large bore tread depth gauge shall be a two piece gauge consisting of a slide tube and an indicator. The gauge shall be calibrated 0 to 1 inches in 1/32 inch increments. The gauge shall be made of metal overall.	EA	M	Milton Industries 448
3.5.88	4910	Gauge, Air Pressure	The handheld industrial level tire pressure gauge shall be calibrated to measure no less than 10 to 130 PSI with a tolerance of +/- 1 percent. The pressure gauge shall have a 1/4 inch inlet.	EA	M	Snap-On PGPL150
3.5.89	4910	Gauge, Pressure, Dual Head	The handheld, industrial level, dual-head tire pressure gauge shall be calibrated to measure no less than 10 to 130 psi with a tolerance of +/- 1 psi. The pressure gauge shall have a 1/4 inch inlet.	EA	M	Northern Tool 15906
3.5.90	5120	Removal Tool, Wheel Weight	The wheel weight removal tool shall be designed for use on truck weights with a plier-type hook for removing weights and a hammer head for installation. The handles shall have cushion grip and the tool shall be made of corrosion resistant metal.	EA	M	COATS/Hennessy CTS8144064
3.5.91	4910	Bead Breaker, Tire	The tire bead breaker kit shall be used on 5-piece rims that are 25 to 51 inches in diameter and have bar/bead loosening pockets. The bead breaker shall have a 4.25 inch stroke, 13.8 ton ram and be capable of being used with any 10,000 psi pump. The bead breaker kit shall include the bead breaker, air pump and hose assembly.	EA	M	ESCO 10207
3.5.92	4910	Bead Keeper	The beadkeeper shall be used for holding the tire bead in place while mounting the tire to the rim. The beadkeeper shall be made of steel overall with or without rubber coating.	EA	M	Gaither GTC-12894

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.93	2640	Plug, Tire, 4 inch	The tire plugs shall be 4 inches long and supplied in a box of 60 plugs.	BX	N	Gemplers R60
3.5.94	4910	Tire Changer, Truck	The truck tire changer shall be capable of being used for tube or tubeless tires with rim diameters of no more than 15 inches up to no less than 38 inches, a maximum tire diameter of no less than 76 inches and a tire width of no less than 25 inches. The tire changer shall have a self-centering hydraulic 3-jaw clamping chuck, an adjustable pressure regulator and a roller-type tire spreader. The tire changer shall have an independent hook and roller as well as an independent removable mount-in-table tool head offset. The tire changer shall have a center carriage frame and a clamp arm lifting mechanism to lift wheels. The tire changer shall have a maximum chuck torque of no less than 2900 ft/lbs and shall be a 1-phase or 3-phase system powered by 220v, 60 hz.	EA	M	COATS/Hennessy 8090000 (HIT 5000)
3.5.95	4910	Balancer, Tire, Truck	The truck tire balancer shall be used for heavy truck tires no less than 46 inches in diameter by no less than 18 inches wide with no less than a 26 inch diameter rim and have a weight capacity of no less than 200 lbs. The tire balancer shall have a direct drive system, be self-calibrating and have an LED display to indicate weight locations and amounts. The tire balancer shall display down to .01 oz and have a tolerance of +/- .05 oz. The tire balancer shall have a cycle time of no more than 35 seconds and be 1-phase or 3-phase, 220 volts, 60 hz.	EA	M	COATS/Hennessy 8156401
3.5.96	4910	Spreader, Tire, Pneumatic	The pneumatic tire spreader shall be used for truck, bus and tractor tires with 12 inch to 28 inch bead diameters and 4 inch to 11 inch cross sections. The tire spreader shall be capable of rotating the tire 360 degrees and shall have floor mounted controls. The tire spreader shall have a 1/4 inch air inlet capable of connecting with a 1/4 inch diameter hose rated for no less than 100 psi. The tire spreader shall be supplied with the manufacturer's user manual.	EA	M	Branick EF/HD

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.97	4910	Tire Changer, Light Truck	The tire changer shall accommodate tire rim sizes 12 to 26 inches in diameter with maximum tire diameters of no less than 40 inches. The tire changer shall be 1-phase, 110 volts, and be capable of producing 3500 lbs of power, 737 ft/lbs torque. The tire changer shall have a built-in table inflator, a mount/demount head, a bead-breaker blade, and locking handles to lock the head away from the rim. The tire changer table shall be capable of rotating in either direction and be made of stainless steel. The tire changer shall be fully automatic.	EA	M	Corghi A2024
3.5.98	4910	Tire Changer, Heavy Duty	The tire changer shall accommodate tire rim sizes 14 to 56 inches in diameter with maximum tire diameters of no less than 95 inches. The tire changer shall be 3-phase, 208-230 VAC, 60 Hz, and be capable of producing no less than 10,800 lbs of clamping power, 7000 ft/lbs torque. The tire changer shall have a mount/demount head, a bead-breaker blade, and a rotating tool head/arm. The tire changer table shall be capable of rotating in either direction and shall be fully automatic.	EA	M	COATS/Hennessy CHD-9551
3.5.99	4510	Tank, Water, 500 gal	The water tank shall have a capacity of 500 gallons and shall be supplied with a stand allowing the tank to sit vertically. The tank shall have a conical bottom for complete drainage and both the tank and stand shall be made of high density polyethylene that is impact and chemical resistant. The tank shall have a nominal fill opening of 16 inches in diameter and a nominal drain opening of 2 inches in diameter.	EA	M	Norwesco 40289
3.5.100	4910	Tank, Tire	The tire tank shall be a manual tire dunk tank used to test for leaks on tubeless and tube tires. The tank shall be made of durable plastic and shall be no less than 35 inches long by 17 inches wide by 17 inches tall.	EA	M	American Automotive 67-451

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.101	4910	Dunker, Tire	The tire dunker shall consist of a large bin made of durable plastic, a steel frame on wheels, a large pressure spider to push the tire into the tank and a manual immersion mechanism. The immersion mechanism shall have a locking level to hold the tire in its immersion position. The pressure spider shall have a cushioning coating on the arms to prevent tire damage and shall be adjustable to accommodate varying tire sizes up to no less than 38 inches in diameter. The tank shall be capable of holding tires that are no less than 38 inches in diameter and shall be used to test for leaks on both tubeless and tube tires. The tire dunker shall be supplied with the commercial manufacturer's user manual.	EA	M	TSI-SSG TI-90
3.5.102	4320	Bead Seater	The bead seater shall have no less than a 5 gallon tank, a pressure gauge, a discharge valve, a threaded barrel with the appropriate end for seating beads and shall be ASME certified. The bead seater tank shall have an air capacity of no less than 90 PSI and a handle. The bead seater shall be supplied with the commercial manufacturer's user manual.	EA	M	TSI-SSG CH-5
3.5.103	7510	Crayon, Rubber Marking	The rubber marking crayon shall be made of wax and used for non-permanent marking on wet or dry tires and other rubber surfaces. The crayon shall be yellow in color and shall be supplied in a box containing 12 to 15 crayons.	BX	N	AA Value Line VL27-346
3.5.104	3920	Dolly, Dual Wheel	The dual wheel dolly shall be an air-powered hydraulic lift system with a capacity of no less than 1500 lbs. The wheel dolly shall have a lifting height of no less than 42 inches, a lateral adjustment of no less than 6 inches, and a tilt adjustment of -8 to +15 degrees. The wheel dolly shall have a steel frame and four swivel casters, two of which shall be capable of locking, and shall have arms long enough to accommodate no less than two tires side by side. The wheel dolly shall be supplied with a restraint chain. The wheel dolly shall not be shipped containing oil but shall be supplied with the required hydraulic oil in a separate container. The wheel dolly shall be supplied with the commercial manufacturer's user manual.	EA	L	OTC Tools 5105A

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.105	4910	Tire Changer, Rim Clamp	The rim clamp tire changer shall have a pedal actuated bead loosener and an electric drive motor. The tire changer shall be capable of loosening the tire bead as well as mounting and demounting the tire from the rim. The tire changer shall have a table that is 25 to 30 inches above the floor. The tire changer shall have four clamps capable of clamping a wheel rim up to no less than 21 inches in diameter. The tire changer shall accommodate tires no less than 50 inches in diameter overall and shall have a 1 hP electric motor powered by 110v, 60 hz. The tire changer shall be supplied with the commercial manufacturer's user manual.	EA	M	COATS/Hennessy 5040E
3.5.106	3920	Dolly, Hand, Tire	The tire hand dolly shall be capable of toting no less than 300 lbs and shall be made of steel overall. The dolly shall have a bent arm, on-board rollers and a kickstand for parking. The dolly shall be nominally 26 inches wide and capable of handling tires no less than 36 to 48 inches in diameter.	EA	M	OTC Tools 5096A
Sockets - 1 inch drive						
3.5.107	5120	Socket, Impact, Budd, 1 inch drive, 13/16 inch	The socket shall be an impact socket for use on a Budd wheel. The socket shall have a 1 inch square drive, a 13/16 inch square wrenching socket and shall be 2 to 2.5 inches long. The socket shall be steel overall with black oxide surface finish.	EA	L	Snap-On BW726A
3.5.108	5120	Socket, Impact, Deep, 6-pt, 1 inch drive, 33mm	The deep impact socket shall have a 1 inch square drive and a 6-point (pt), 33mm (millimeter) hex wrenching surface. The socket shall have an overall length of no less than 76mm, a drive end diameter of 51.4 to 58 mm, a nut end diameter of 51.3 to 54.2 mm and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIMM333
3.5.109	5120	Socket, Impact, Deep, 6-pt, 1 inch drive, 1-3/4 inches	The deep impact socket shall have a 1 inch square drive and a 6-pt, 1-3/4 inch hex wrenching surface. The socket shall have an overall length of no less than 3.437 inches, a drive end diameter of 1.99 to 2.774 inches, a nut end diameter of 2.471 to 2.774 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM563

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.110	5120	Socket, Impact, Deep, 6-pt, 1 inch drive, 1-5/8 inches	The deep impact socket shall have a 1 inch square drive and a 6-pt, 1-5/8 inch hex wrenching surface. The socket shall have an overall length of no less than 3.437 inches, a drive end diameter of 1.99 to 2.623 inches, a nut end diameter of 2.288 to 2.623 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM523B
3.5.111	5120	Socket, Impact, Deep, 6-pt, 1 inch drive, 1-9/16 inches	The deep impact socket shall have a 1 inch square drive and a 6-pt, 1-9/16 inch hex wrenching surface. The socket shall have an overall length of no less than 3.437 inches, a drive end diameter of 1.99 to 2.548 inches, a nut end diameter of 2.196 to 2.548 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM503A
3.5.112	5120	Socket, Impact, Deep, 6-pt, 1 inch drive, 1-1/2 inches	The deep impact socket shall have a 1 inch square drive and a 6-pt, 1-1/2 inch hex wrenching surface. The socket shall have an overall length of no less than 3.437 inches, a drive end diameter of 1.99 to 2.473 inches, a nut end diameter of 2.104 to 2.473 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM483B
3.5.113	5120	Socket, Impact, Deep, 6-pt, 1 inch drive, 1-7/16 inches	The deep impact socket shall have a 1 inch square drive and a 6-pt, 1-7/16 inch hex wrenching surface. The socket shall have an overall length of no less than 3.187 inches, a drive end diameter of 1.99 to 2.397 inches, a nut end diameter of 2.012 to 2.397 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM463A
3.5.114	5120	Socket, Impact, Deep, 6-pt, 1 inch drive, 1-3/8 inches	The deep impact socket shall have a 1 inch square drive and a 6-pt, 1-3/8 inch hex wrenching surface. The socket shall have an overall length of no less than 3.187 inches, a drive end diameter of 1.99 to 2.322 inches, a nut end diameter of 1.92 to 2.322 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM443

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.115	5120	Socket, Impact, Deep, 6-pt, 1 inch drive, 1-5/16 inches	The deep impact socket shall have a 1 inch square drive and a 6-pt, 1-5/16 inch hex wrenching surface. The socket shall have an overall length of no less than 3.187 inches, a drive end diameter of 1.99 to 2.197 inches, a nut end diameter of 1.828 to 2.26 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM423
3.5.116	5120	Socket, Impact, 6-pt, 1 inch drive, 1-1/4 inch	The deep impact socket shall have a 1 inch square drive and a 6-pt, 1-1/4 inch hex wrenching surface. The socket shall have an overall length of no less than 2.937 inches, a drive end diameter of 1.99 to 2.197 inches, a nut end diameter of 1.736 to 2.197 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM403
3.5.117	5120	Socket, Impact, 6-pt, 1 inch drive, 1-3/16 inch	The deep impact socket shall have a 1 inch square drive and a 6-pt, 1-3/16 inch hex wrenching surface. The socket shall have an overall length of no less than 2.937 inches, a drive end diameter of 1.99 to 2.197 inches, a nut end diameter of 1.68 to 1.98 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM383
3.5.118	5120	Socket, Impact, 6-pt, 1 inch drive, 1-1/8 inch	The deep impact socket shall have a 1 inch square drive and a 6-pt, 1-1/8 inch hex wrenching surface. The socket shall have an overall length of no less than 2.937 inches, a drive end diameter of 1.99 to 2.197 inches, a nut end diameter of 1.552 to 1.823 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM363
3.5.119	5120	Socket, Impact, 6-pt, 1 inch drive, 1-1/16 inch	The deep impact socket shall have a 1 inch square drive and a 6-pt, 1-1/16 inch hex wrenching surface. The socket shall have an overall length of no less than 2.937 inches, a drive end diameter of 1.99 to 2.197 inches, a nut end diameter of 1.521 to 1.763 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM343

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.120	5120	Socket, Impact, 6-pt, 1 inch drive, 1 inch	The deep impact socket shall have a 1 inch square drive and a 6-pt, 1 inch hex wrenching surface. The socket shall have an overall length of no less than 2.937 inches, a drive end diameter of 1.99 to 2.135 inches, a nut end diameter of 1.49 to 1.763 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM323
3.5.121	5120	Socket, Impact, 6-pt, 1 inch drive, 15/16 inch	The deep impact socket shall have a 1 inch square drive and a 6-pt, 15/16 inch hex wrenching surface. The socket shall have an overall length of no less than 2.937 inches, a drive end diameter of 1.99 to 2.135 inches, a nut end diameter of 1.48 to 1.607 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM303
3.5.122	5120	Socket, Impact, 6-pt, 1 inch drive, 7/8 inch	The deep impact socket shall have a 1 inch square drive and a 6-pt, 7/8 inch hex wrenching surface. The socket shall have an overall length of no less than 2.937 inches, a drive end diameter of 1.99 to 2.135 inches, a nut end diameter of 1.417 to 1.6 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM283
Sockets - 3/4 inch drive						
3.5.123	5130	Socket, Impact, Budd, 3/4 inch drive, 13/16 inch	The socket shall be an impact socket for use on a Budd wheel. The socket shall have a 3/4 inch square drive, a 13/16 inch square wrenching socket and shall be 3.75 to 4.25 inches long. The socket shall be steel overall with black oxide surface finish.	EA	L	Snap-On BW626A
3.5.124	5130	Socket, Impact, 3/4 inch drive, 19mm, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 19mm hex wrenching surface. The socket shall have an overall length of no less than 76mm, a drive end diameter of 37.9 to 48 mm, a nut end diameter of 30.1 to 33.6 mm and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIMM192
3.5.125	5130	Socket, Impact, 3/4 inch drive, 32mm, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 32mm hex wrenching surface. The socket shall have an overall length of no less than 76mm, a drive end diameter of 41.7 to 58 mm, a nut end diameter of 47.7 to 51.7 mm and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIMM322

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.126	5130	Socket, Impact, 3/4 inch drive, 33mm, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 33mm hex wrenching surface. The socket shall have an overall length of no less than 76mm, a drive end diameter of 42.5 to 58 mm, a nut end diameter of 49.8 to 51.7 mm and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIMM332
3.5.127	5130	Socket, Impact, 6-pt, 3/4 inch drive, 2-1/2 inch, Deep	The deep impact socket shall have a 3/4 inch drive and a 6-point, 2-1/2 inch hex wrenching surface. The socket shall have an overall length of no less than 4.062 inches, a drive end diameter of 1.73 to 2.165 inches, a nut end diameter of 3.28 to 3.571 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Grey Pneumatic 3080D
3.5.128	5130	Socket, Impact, 6-pt, 3/4 inch drive, 2-7/16 inch, Deep	The deep impact socket shall have a 3/4 inch drive and a 6-point, 2-7/16 inch hex wrenching surface. The socket shall have an overall length of no less than 4.062 inches, a drive end diameter of 1.73 to 2.165 inches, a nut end diameter of 3.2 to 3.415 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Grey Pneumatic 3078D
3.5.129	5130	Socket, Impact, 6-pt, 3/4 inch drive, 2-3/8 inch, Deep	The deep impact socket shall have a 3/4 inch drive and a 6-point, 2-3/8 inch hex wrenching surface. The socket shall have an overall length of no less than 4.062 inches, a drive end diameter of 1.73 to 2.165 inches, a nut end diameter of 3.12 to 3.337 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Grey Pneumatic 3076D
3.5.130	5130	Socket, Impact, 6-pt, 3/4 inch drive, 2-5/16 inch, Deep	The deep impact socket shall have a 3/4 inch drive and a 6-point, 2-5/16 inch hex wrenching surface. The socket shall have an overall length of no less than 3.937 inches, a drive end diameter of 1.73 to 2.165 inches, a nut end diameter of 3.06 to 3.259 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Grey Pneumatic 3074D
3.5.131	5130	Socket, Impact, 6-pt, 3/4 inch drive, 2-1/4 inch, Deep	The deep impact socket shall have a 3/4 inch drive and a 6-point, 2-1/4 inch hex wrenching surface. The socket shall have an overall length of no less than 3.937 inches, a drive end diameter of 1.73 to 2.165 inches, a nut end diameter of 3 to 3.181 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Grey Pneumatic 3072D

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.132	5130	Socket, Impact, 6-pt, 3/4 inch drive, 2-3/16 inch, Deep	The deep impact socket shall have a 3/4 inch drive and a 6-point, 2-3/16 inch hex wrenching surface. The socket shall have an overall length of no less than 3.937 inches, a drive end diameter of 1.73 to 2.165 inches, a nut end diameter of 2.92 to 3.103 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Grey Pneumatic 3070D
3.5.133	5130	Socket, Impact, 6-pt, 3/4 inch drive, 2-1/8 inch, Deep	The deep impact socket shall have a 3/4 inch drive and a 6-point, 2-1/8 inch hex wrenching surface. The socket shall have an overall length of no less than 3.687 inches, a drive end diameter of 1.73 to 2.165 inches, a nut end diameter of 2.86 to 3.03 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Grey Pneumatic 3068D
3.5.134	5130	Socket, Impact, 6-pt, 3/4 inch drive, 2-1/16 inch, Deep	The deep impact socket shall have a 3/4 inch drive and a 6-point, 2-1/16 inch hex wrenching surface. The socket shall have an overall length of no less than 3.687 inches, a drive end diameter of 1.73 to 2.165 inches, a nut end diameter of 2.8 to 2.945 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Grey Pneumatic 3066D
3.5.135	5130	Socket, Impact, 3/4 inch drive, 2 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 2 inch hex wrenching surface. The socket shall have an overall length of no less than 3.687 inches, a drive end diameter of 1.73 to 2.165 inches, a nut end diameter of 2.72 to 2.867 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM642
3.5.136	5130	Socket, Impact, 3/4 inch drive, 1-15/16 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 1-15/16 inch hex wrenching surface. The socket shall have an overall length of no less than 3.437 inches, a drive end diameter of 1.73 to 2.165 inches, a nut end diameter of 2.6 to 2.867 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	SK Hand Tool 87862

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.137	5130	Socket, Impact, 3/4 inch drive, 1-7/8 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 1-7/8 inch hex wrenching surface. The socket shall have an overall length of no less than 3.437 inches, a drive end diameter of 1.73 to 2.165 inches, a nut end diameter of 2.6 to 2.710 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM602
3.5.138	5130	Socket, Impact, 3/4 inch drive, 1-13/16 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 1-13/16 inch hex wrenching surface. The socket shall have an overall length of no less than 3.437 inches, a drive end diameter of 1.73 to 2.165 inches, a nut end diameter of 2.563 to 2.631 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM582
3.5.139	5130	Socket, Impact, 3/4 inch drive, 1-3/4 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 1-3/4 inch hex wrenching surface. The socket shall have an overall length of no less than 3.437 inches, a drive end diameter of 1.73 to 2.165 inches, a nut end diameter of 2.49 to 2.553 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM562
3.5.140	5130	Socket, Impact, 3/4 inch drive, 1-11/16 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 1-11/16 inch hex wrenching surface. The socket shall have an overall length of no less than 3.437 inches, a drive end diameter of 1.73 to 2.165 inches, a nut end diameter of 2.49 to 2.51 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM542
3.5.141	5130	Socket, Impact, 3/4 inch drive, 1-5/8 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 1-5/8 inch hex wrenching surface. The socket shall have an overall length of no less than 3.437 inches, a drive end diameter of 1.73 to 2.165 inches, a nut end diameter of 2.24 to 2.51 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM522

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.142	5130	Socket, Impact, 3/4 inch drive, 1-9/16 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 1-9/16 inch hex wrenching surface. The socket shall have an overall length of no less than 3.437 inches, a drive end diameter of 1.73 to 2.165 inches, a nut end diameter of 2.075 to 2.445 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM502
3.5.143	5130	Socket, Impact, 3/4 inch drive, 1-1/2 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 1-1/2 inch hex wrenching surface. The socket shall have an overall length of no less than 3.437 inches, a drive end diameter of 1.73 to 2.165 inches, a nut end diameter of 2.052 to 2.387 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM482
3.5.144	5130	Socket, Impact, 3/4 inch drive, 1-7/16 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 1-7/16 inch hex wrenching surface. The socket shall have an overall length of no less than 3.187 inches, a drive end diameter of 1.7 to 2.165 inches, a nut end diameter of 1.934 to 2.322 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM462
3.5.145	5130	Socket, Impact, 3/4 inch drive, 1-3/8 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 1-3/8 inch hex wrenching surface. The socket shall have an overall length of no less than 3.187 inches, a drive end diameter of 1.67 to 2.165 inches, a nut end diameter of 1.934 to 2.197 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM442
3.5.146	5130	Socket, Impact, 3/4 inch drive, 1-5/16 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 1-5/16 inch hex wrenching surface. The socket shall have an overall length of no less than 3.187 inches, a drive end diameter of 1.64 to 2.09 inches, a nut end diameter of 1.796 to 2.197 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM422

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.147	5130	Socket, Impact, 3/4 inch drive, 1-1/4 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 1-1/4 inch hex wrenching surface. The socket shall have an overall length of no less than 3.187 inches, a drive end diameter of 1.610 to 2.015 inches, a nut end diameter of 1.740 to 2.197 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM402
3.5.148	5130	Socket, Impact, 3/4 inch drive, 1-3/16 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 1-3/16 inch hex wrenching surface. The socket shall have an overall length of no less than 3.187 inches, a drive end diameter of 1.55 to 2.015 inches, a nut end diameter of 1.621 to 2.197 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM382
3.5.149	5130	Socket, Impact, 3/4 inch drive, 1-1/8 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 1-1/8 inch hex wrenching surface. The socket shall have an overall length of no less than 2.937 inches, a drive end diameter of 1.55 to 1.865 inches, a nut end diameter of 1.621 to 1.76 inches and shall be steel overall with corrosion resistance surface finish.	EA	L	Snap-On SIM362
3.5.150	5130	Socket, Impact, 3/4 inch drive, 1-1/16 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 1-1/16 inch hex wrenching surface. The socket shall have an overall length of no less than 2.937 inches, a drive end diameter of 1.52 to 1.79 inches, a nut end diameter of 1.501 to 1.701 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM342
3.5.151	5130	Socket, Impact, 3/4 inch drive, 1 inch, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 1 inch hex wrenching surface. The socket shall have an overall length of no less than 2.937 inches, a drive end diameter of 1.49 to 1.715 inches, a nut end diameter of 1.429 to 1.635 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM322

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.152	5130	Socket, Impact, 3/4 inch drive, 15/16 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 15/16 inch hex wrenching surface. The socket shall have an overall length of no less than 2.937 inches, a drive end diameter of 1.49 to 1.64 inches, a nut end diameter of 1.357 to 1.635 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM302
3.5.153	5130	Socket, Impact, 3/4 inch drive, 7/8 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 7/8 inch hex wrenching surface. The socket shall have an overall length of no less than 2.937 inches, a drive end diameter of 1.49 to 1.64 inches, a nut end diameter of 1.285 to 1.635 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM282
3.5.154	5130	Socket, Impact, 3/4 inch drive, 13/16 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 13/16 inch hex wrenching surface. The socket shall have an overall length of no less than 2.937 inches, a drive end diameter of 1.49 to 1.64 inches, a nut end diameter of 1.213 to 1.385 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM262
3.5.155	5130	Socket, Impact, 3/4 inch drive, 3/4 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 3/4 inch hex wrenching surface. The socket shall have an overall length of no less than 2.937 inches, a drive end diameter of 1.49 to 1.64 inches, a nut end diameter of 1.141 to 1.268 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM242
3.5.156	5130	Socket, Impact, 3/4 inch drive, 11/16 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 11/16 inch hex wrenching surface. The socket shall have an overall length of no less than 2.937 inches, a drive end diameter of 1.49 to 1.64 inches, a nut end diameter of 1.146 to 1.169 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM222

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.157	5130	Socket, Impact, 3/4 inch drive, 5/8 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 5/8 inch hex wrenching surface. The socket shall have an overall length of no less than 2.937 inches, a drive end diameter of 1.49 to 1.64 inches, a nut end diameter of 1.04 to 1.187 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM202
3.5.158	5130	Socket, Impact, 3/4 inch drive, 9/16 inches, Deep	The deep impact socket shall have a 3/4 inch square drive and a 6-pt, 9/16 inch hex wrenching surface. The socket shall have an overall length of no less than 2.937 inches, a drive end diameter of 1.49 to 1.64 inches, a nut end diameter of 0.99 to 1.01 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM182
Sockets - 1/2 inch drive						
3.5.159	5130	Socket, Impact, 1/2 inch drive, 12 mm, Deep	The deep impact socket shall have a 1/2 inch drive and a 6-pt, 12 mm hex wrenching surface. The socket shall have an overall length of no less than 76 mm, a drive end diameter of 21 to 28 mm, a nut end diameter of 17.7 to 20.8 mm and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIMM120A
3.5.160	5130	Socket, Impact, 1/2 inch drive, 1-1/8 inches, Deep	The deep impact socket shall have a 1/2 inch drive and a 6-pt, 1-1/8 inch hex wrenching surface. The socket shall have an overall length of 3.187 to 3.688 inches, a drive end diameter of 1.091 to 1.710 inches, a nut end diameter of 1.497 to 1.651 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM360
3.5.161	5130	Socket, Impact, 1/2 inch drive, 1-1/16 inches, Deep	The deep impact socket shall have a 1/2 inch drive and a 6-pt, 1-1/16 inch hex wrenching surface. The socket shall have an overall length of 3.187 to 3.688 inches, a drive end diameter of 1.077 to 1.635 inches, a nut end diameter of 1.425 to 1.586 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM340
3.5.162	5130	Socket, Impact, 1/2 inch drive, 1 inch, Deep	The deep impact socket shall have a 1/2 inch drive and a 6-pt, 1 inch hex wrenching surface. The socket shall have an overall length of 3.187 to 3.688 inches, a drive end diameter of 1.062 to 1.56 inches, a nut end diameter of 1.352 to 1.521 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM320

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.163	5130	Socket, Impact, 1/2 inch drive, 15/16 inches, Deep	The deep impact socket shall have a 1/2 inch drive and a 6-pt, 15/16 inch hex wrenching surface. The socket shall have an overall length of 3.187 to 3.688 inches, a drive end diameter of 1.048 to 1.485 inches, a nut end diameter of 1.28 to 1.455 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM300
3.5.164	5130	Socket, Impact, 1/2 inch drive, 7/8 inches, Deep	The deep impact socket shall have a 1/2 inch drive and a 6-pt, 7/8 inch hex wrenching surface. The socket shall have an overall length of 3.187 to 3.688 inches, a drive end diameter of 1.033 to 1.410 inches, a nut end diameter of 1.207 to 1.39 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM280
3.5.165	5130	Socket, Impact, 1/2 inch drive, 13/16 inches, Deep	The deep impact socket shall have a 1/2 inch drive and a 6-pt, 13/16 inch hex wrenching surface. The socket shall have an overall length of 3.187 to 3.688 inches, a drive end diameter of 1.019 to 1.335 inches, a nut end diameter of 1.135 to 1.325 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM260
3.5.166	5130	Socket, Impact, 1/2 inch drive, 3/4 inches, Deep	The deep impact socket shall have a 1/2 inch drive and a 6-pt, 3/4 inch hex wrenching surface. The socket shall have an overall length of 3.187 to 3.688 inches, a drive end diameter of 1.004 to 1.26 inches, a nut end diameter of 1.062 to 1.26 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM240
3.5.167	5130	Socket, Impact, 1/2 inch drive, 11/16 inches, Deep	The deep impact socket shall have a 1/2 inch drive and a 6-pt, 11/16 inch hex wrenching surface. The socket shall have an overall length of 3.187 to 3.688 inches, a drive end diameter of 0.99 to 1.197 inches, a nut end diameter of 0.99 to 1.169 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM220
3.5.168	5130	Socket, Impact, 1/2 inch drive, 5/8 inches, Deep	The deep impact socket shall have a 1/2 inch drive and a 6-pt, 5/8 inch hex wrenching surface. The socket shall have an overall length of 3.187 to 3.688 inches, a drive end diameter of 0.85 to 1.135 inches, a nut end diameter of 0.902 to 1.070 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM200

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.169	5130	Socket, Impact, 1/2 inch drive, 9/16 inches, Deep	The deep impact socket shall have a 1/2 inch drive and a 6-pt, 9/16 inch hex wrenching surface. The socket shall have an overall length of 3.187 to 3.688 inches, a drive end diameter of 0.85 to 1.135 inches, a nut end diameter of 0.814 to 0.987 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM180A
3.5.170	5130	Socket, Impact, 1/2 inch drive, 1/2 inches, Deep	The deep impact socket shall have a 1/2 inch drive and a 6-pt, 1/2 inch hex wrenching surface. The socket shall have an overall length of 3.187 to 3.688 inches, a drive end diameter of 0.85 to 1.135 inches, a nut end diameter of 0.726 to 0.897 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM160A
3.5.171	5130	Socket, Impact, 1/2 inch drive, 7/16 inches, Deep	The deep impact socket shall have a 1/2 inch drive and a 6-pt, 7/16 inch hex wrenching surface. The socket shall have an overall length of 3.187 to 3.688 inches, a drive end diameter of 0.85 to 1.135 inches, a nut end diameter of 0.638 to 0.806 inches and shall be steel overall with corrosion resistant surface finish.	EA	L	Snap-On SIM140A
Sockets - 3/8 inch drive						
3.5.172	5130	Socket, 3/8 inch drive, 1 inch, Deep	The deep socket shall have a 3/8 inch drive and a 6-pt, 1 inch hex wrenching surface. The socket shall have an overall length of no less than 2.48 inches, a drive end diameter of no more than 1.38 inches, a nut end diameter of no more than 1.38 inches and shall be steel overall with chromium surface finish. The socket shall be in accordance with ASME B107.1.	EA	L	Snap-On SFS321
3.5.173	5130	Socket, 3/8 inch drive, 15/16 inches, Deep	The deep socket shall have a 3/8 inch drive and a 6-pt, 15/16 inch hex wrenching surface. The socket shall have an overall length of no less than 2.48 inches, a drive end diameter of no more than 1.310 inches, a nut end diameter of no more than 1.310 inches and shall be steel overall with chromium surface finish. The socket shall be in accordance with ASME B107.1.	EA	L	Snap-On SFS301

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.174	5130	Socket, 3/8 inch drive, 7/8 inches, Deep	The deep socket shall have a 3/8 inch drive and a 6-pt, 7/8 inch hex wrenching surface. The socket shall have an overall length of no less than 2.48 inches, a drive end diameter of no more than 1.25 inches, a nut end diameter of no more than 1.25 inches and shall be steel overall with chromium surface finish. The socket shall be in accordance with ASME B107.1.	EA	L	Snap-On SFS281
3.5.175	5130	Socket, 3/8 inch drive, 13/16 inches, Deep	The deep socket shall have a 3/8 inch drive and a 6-pt, 13/16 inch hex wrenching surface. The socket shall have an overall length of no less than 2.48 inches, a drive end diameter of no more than 1.141 inches, a nut end diameter of no more than 1.141 inches and shall be steel overall with chromium surface finish. The socket shall be in accordance with ASME B107.1.	EA	L	Snap-On SFS261
3.5.176	5130	Socket, 3/8 inch drive, 3/4 inches, Deep	The deep socket shall have a 3/8 inch drive and a 6-pt, 3/4 inch hex wrenching surface. The socket shall have an overall length of no less than 2.125 inches, a drive end diameter of no more than 1.110 inches, a nut end diameter of no more than 1.110 inches and shall be steel overall with chromium surface finish. The socket shall be in accordance with ASME B107.1.	EA	L	Snap-On SFS241
3.5.177	5130	Socket, 3/8 inch drive, 11/16 inches, Deep	The deep socket shall have a 3/8 inch drive and a 6-pt, 11/16 inch hex wrenching surface. The socket shall have an overall length of no less than 2.125 inches, a drive end diameter of no more than 0.968 inches, a nut end diameter of no more than 0.968 inches and shall be steel overall with chromium surface finish. The socket shall be in accordance with ASME B107.1.	EA	L	Snap-On SFS221
3.5.178	5130	Socket, 3/8 inch drive, 5/8 inches, Deep	The deep socket shall have a 3/8 inch drive and a 6-pt, 5/8 inch hex wrenching surface. The socket shall have an overall length of no less than 2 inches, a drive end diameter of no more than 0.890 inches, a nut end diameter of no more than 0.890 inches and shall be steel overall with chromium surface finish. The socket shall be in accordance with ASME B107.1.	EA	L	Snap-On SFS201

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.179	5130	Socket, 3/8 inch drive, 9/16 inches, Deep	The deep socket shall have a 3/8 inch drive and a 6-pt, 9/16 inch hex wrenching surface. The socket shall have an overall length of no less than 1.875 inches, a drive end diameter of no more than 0.880 inches, a nut end diameter of no more than 0.814 inches and shall be steel overall with chromium surface finish. The socket shall be in accordance with ASME B107.1.	EA	L	Snap-On SFS181
3.5.180	5130	Socket, 3/8 inch drive, 1/2 inches, Deep	The deep socket shall have a 3/8 inch drive and a 6-pt, 1/2 inch hex wrenching surface. The socket shall have an overall length of no less than 1.75 inches, a drive end diameter of no more than 0.880 inches, a nut end diameter of no more than 0.751 inches and shall be steel overall with chromium surface finish. The socket shall be in accordance with ASME B107.1.	EA	L	Snap-On SFS161
3.5.181	5130	Socket, 3/8 inch drive, 7/16 inches, Deep	The deep socket shall have a 3/8 inch drive and a 6-pt, 7/16 inch hex wrenching surface. The socket shall have an overall length of no less than 1.75 inches, a drive end diameter of no more than 0.690 inches, a nut end diameter of no more than 0.683 inches and shall be steel overall with chromium surface finish. The socket shall be in accordance with ASME B107.1.	EA	L	Snap-On SFS141
3.5.182	5130	Socket, 3/8 inch drive, 3/8 inches, Deep	The deep socket shall have a 3/8 inch drive and a 6-pt, 3/8 inch hex wrenching surface. The socket shall have an overall length of no less than 1.75 inches, a drive end diameter of no more than 0.690 inches, a nut end diameter of no more than 0.613 inches and shall be steel overall with chromium surface finish. The socket shall be in accordance with ASME B107.1.	EA	L	Snap-On SFS121
3.5.183	5130	Socket, 3/8 inch drive, 5/16 inches, Deep	The deep socket shall have a 3/8 inch drive and a 6-pt, 5/16 inch hex wrenching surface. The socket shall have an overall length of no less than 1.75 inches, a drive end diameter of no more than 0.690 inches, a nut end diameter of no more than 0.521 inches and shall be steel overall with chromium surface finish. The socket shall be in accordance with ASME B107.1.	EA	L	Snap-On SFS101
Tire Irons / Tire Spoons						

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.184	5120	Iron, Tire, Drop-Center, 18 inches	The tire mount/demount spoon shall be a drop-center type spoon made from 11/16 inch diameter stock steel and shall be 18 ± 1 inches long overall. The spoon shall be used to mount or demount light truck tires.	EA	M	Ken-Tool T21R
3.5.185	5120	Iron, Tire, Curved, 18 inches	The tire mount/demount spoon shall be a curved type spoon made from 11/16 inch diameter stock steel and shall be 18 ± 1 inches long overall. The spoon shall be used to mount or demount light truck tires.	EA	M	Ken-Tool T2X
3.5.186	5120	Iron, Tire, Straight, 24 inches	The tire mount/demount spoon shall be a straight type spoon made from 11/16 inch diameter stock steel and shall be 24 ± 1 inches long overall. The spoon shall be used to mount or demount light truck tires.	EA	M	Ken-Tool T19
3.5.187	5120	Iron, Tire, Straight, 30 inches	The tire mount/demount spoon shall be a straight type spoon made from 11/16 inch diameter stock steel and shall be 30 ± 1 inches long overall. The spoon shall be used to mount or demount large truck, bus, off-road vehicle, tractor and aircraft tires.	EA	M	Ken-Tool T19A
3.5.188	5120	Iron, Tire, Heavy Duty, Straight, 52 inches	The tire iron shall be a straight mount/demount tool made from 1 inch diameter stock steel and shall be 52 ± 1 inches long overall. The tool shall have a blade and knob design.	EA	M	Ken-Tool T47A
3.5.189	5120	Pry Bar, Striking, 12 inches	The striking pry bar shall have a plastic handle with a metal cap for striking and a 3/8 inch square steel shank. The pry bar shall have a 5/8 inch tip angled at 40 ± 5 degrees and shall be 12 ± 1 inches long overall.	EA	L	Snap-On SPBS12
3.5.190	5120	Pry Bar, Striking, 18 inches	The striking pry bar shall have a plastic handle with a metal cap for striking and a 7/16 inch square steel shank. The pry bar shall have a 23/32 inch tip angled at 40 ± 5 degrees and shall be 18 ± 1 inches long overall.	EA	L	Snap-On SPBS18R
3.5.191	5120	Pry Bar, Striking, 24 inches	The striking pry bar shall have a plastic handle with a metal cap for striking and a 7/16 inch square steel shank. The pry bar shall have a 13/16 inch tip angled at 40 ± 5 degrees and shall be 24 ± 1 inches long overall.	EA	L	Snap-On SPBS24

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.192	5120	Iron, Tire, Tubeless, 37 inches	The tubeless tire iron shall be used to mount/demount truck tires. The tool shall have a blade and knob design made from 3/4 inch diameter stock steel and shall have an overall length of 37 ± 1 inches.	EA	M	Ken-Tool T45A
3.5.193	5120	Remover, Lock Ring, Heavy Duty	The heavy duty lock ring tool shall be used to remove continuous side rings on multi-piece wheels. The tool shall be made from 3/4 inch diameter stock steel and shall be 37 ± 1 inches long overall.	EA	M	Ken-Tool T48A
3.5.194	5120	Remover, Lock Ring, Truck	The lock ring tool shall be used to remove truck lock rings for multi-piece rims. The tool shall be made from 11/16 inch diameter stock steel and shall be 24 ± 1 inches long overall.	EA	M	Ken-Tool T23
3.5.195	5120	Drop Center Tool, Tire, 30"	The tire mount/demount spoon shall be a drop-center type spoon made from 7/8 inch diameter stock steel and shall be 30 ± 1 inches long overall. The spoon shall be used on large truck, bus, off-road vehicle, tractor, and aircraft tires	EA	M	Ken-Tool T-21-HD
3.5.196	4910	Bead Breaker, Impact, Heavy Duty	The heavy duty impact bead breaker shall be used to loosen beads without damaging the tire and shall have a slide hammer kickback mechanism. The bead breaker shall be 50 ± 2 inches long with an extended length of 78 to 82 inches.	EA	M	Ken-Tool T26B
3.5.197	5120	Bead Breaker, Slide Hammer	The bead breaker shall be used on bus, truck or tractor tires and shall have a sliding hammer mechanism with a 16 inch stroke length. The bead breaker shall have a closed length of 46 ± 2 inches and an extended length of 62 ± 2 inches. The sliding hammer shall weigh 13 lbs ± 8 oz.	EA	L	Snap-On TR200
3.5.198	5120	Hammer, Bead Breaking, 32 inches	The bead breaking hammer shall be a duck-billed bead breaking wedge with a fiberglass or polymer handle. The hammer shall be 32 ± 2 inches long with a weight of 11 lbs ± 4 oz.	EA	M	Ken-Tool TG11E
3.5.199	5120	Hammer, Bead Breaking, 18 inches	The bead breaking hammer shall be a duck-billed bead breaking wedge with a fiberglass or polymer handle. The hammer shall be 18 ± 2 inches long with a weight of 4.8 lbs ± 4 oz.	EA	M	Ken-Tool TG11D

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.200	5120	Hammer, Tire, Heavy Duty	The heavy duty tire hammer shall be used for mounting and demounting tires. The hammer shall have one bare metal end and one non-marring rubber end. The hammer shall have a fiberglass handle, an overall length of 16.5 to 18 inches and a head weight of 5 lbs \pm 4 oz.	EA	M	Ken-Tool TG35
Hammers						
3.5.201	5120	Hammer, Ball Peen, 16oz	The ball peen hammer shall have a bare metal head and a fiberglass handle. The handle shall be 13 \pm 1 inches long with a cushion grip and the hammer shall weigh 16 \pm 2 oz.	EA	L	Snap-On BPN16B
3.5.202	5120	Hammer, Ball Peen, 24oz	The ball peen hammer shall have a bare metal head and a fiberglass handle. The handle shall be 14 \pm 1 inches long with a cushion grip and the hammer shall weigh 24 \pm 2 oz.	EA	L	Snap-On BPN24B
3.5.203	5120	Hammer, Ball Peen, 32oz	The ball peen hammer shall have a bare metal head and a fiberglass handle. The handle shall be 16 \pm 1 inches long with a cushion grip and the hammer shall weigh 32 \pm 2 oz.	EA	L	Snap-On BPN32B
3.5.204	5120	Hammer, Sledge, 10 lbs	The sledge hammer shall have a metal head and a fiberglass handle. The hammer head shall have two faces, each with a diameter of 2 \pm 0.125 inches. The hammer handle shall be 29 \pm 1 inches long and shall be attached to the head in a manner capable of withstanding no less than 8,000 lbs of pull force. The hammer shall weigh 10 lbs \pm 4 oz.	EA	L	Snap-On BD10ESG
3.5.205	5120	Hammer, Dead Blow, 16oz	The dead blow hammer shall have a composite handle with heavy caps and an internal steel shot. The hammer shall have a face diameter of 1.5625 \pm 0.125 inches, an overall length of 12 to 13 inches and a weight of 16 \pm 2 oz. The hammer shall have a cushion grip on the handle and shall be coated with non-sparking urethane overall.	EA	L	Snap-On HBFE16
3.5.206	5120	Hammer, Dead Blow, 24oz	The dead blow hammer shall have a composite handle with heavy caps and an internal steel shot. The hammer shall have a face diameter of 1.75 \pm 0.125 inches, an overall length of 12 to 13 inches and a weight of 24 \pm 2 oz. The hammer shall have a cushion grip on the handle and shall be coated with non-sparking urethane overall.	EA	L	Snap-On HBFE24

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.207	5120	Hammer, Dead Blow, 32oz	The dead blow hammer shall have a composite handle with heavy caps and an internal steel shot. The hammer shall have a face diameter of 2 ± 0.125 inches, an overall length of 13 to 14 inches and a weight of 32 ± 2 oz. The hammer shall have a cushion grip on the handle and shall be coated with non-sparking urethane overall.	EA	L	Snap-On HBFE32
3.5.208	5120	Hammer, Dead Blow, 48oz	The dead blow hammer shall have a composite handle with heavy caps and an internal steel shot. The hammer shall have a face diameter of 2.25 ± 0.125 inches, an overall length of 14.5 to 15.5 inches and a weight of 48 ± 2 oz. The hammer shall have a cushion grip on the handle and shall be coated with non-sparking urethane overall.	EA	L	Snap-On HBFE48
3.5.209	5120	Hammer, Dead Blow, Sledge, 8lbs	The dead blow sledge hammer shall have a composite handle with a free-flowing steel head canister. The hammer shall have a face diameter 2.75 ± 0.125 inches, an overall length of 29 to 31 inches and a weight of $8 \text{ lbs} \pm 2 \text{ oz}$. The hammer shall have a cushion grip on the handle and shall be coated with non-sparking urethane overall.	EA	L	Snap-On BC110B
3.5.210	5120	Hammer, Carpenters, Curved Claw, 16oz	The carpenters hammer or nail hammer shall have a curved claw and a handle with cushion grip. The hammer shall be a one-piece construction with a carbon steel head and an anti-shock core. The hammer shall weight 16 ± 1 oz overall.	EA	M	Estwing E3-16C
3.5.211	5120	Hammer, engineer, 48oz	The engineer hammer shall have a steel head and a fiberglass handle with non-slip grip. The hammer shall have a face diameter of 1.5 ± 0.125 inches, an overall length of 13.5 to 14.5 inches and a weight of $4 \text{ lbs} \pm 2 \text{ oz}$.	EA	L	Snap-On BD4SG
Ratchets						

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.212	5120	Ratchet, 3/4 inch drive, 17 inches long	The reversible ratchet wrench shall have a 3/4 inch square drive. The wrench shall be a one-piece or two-piece design with an overall length of no less than 17 inches and no more than that accommodated by a standard drawer size of 19.5 inches long by 10.25 inches wide. If a two-piece design is used, the wrench broken into two pieces shall be capable of fitting within that same standard drawer size. The wrench shall have a sealed head with no less than 24 teeth and shall be steel overall with chromium surface finish, with the exception of the drive which shall be oxide finish. The ratchet shall be in accordance with ASME B107.10.	EA	L	Snap-On L872 and L872RJ
3.5.213	5120	Ratchet, Quick-Release, 3/8 inch drive, 7.4 inches long	The reversible ratchet wrench shall have a 3/8 inch square drive and an overall length of 5.75 to 7.5 inches. The wrench shall have a sealed teardrop- or pear-shaped head with no less than 80 teeth, a quick release drive and shall be steel overall with chromium surface finish, with the exception of the drive which shall be oxide finish. The ratchet shall be in accordance with ASME B107.10.	EA	L	Snap-On FR80
3.5.214	5120	Ratchet, Teardrop, Quick-release, 1/2 inch drive	The reversible ratchet wrench shall have a 1/2 inch square drive and an overall length of 9.5 to 10.375 inches. The wrench shall have a sealed teardrop- or pear-shaped head with no less than 80 teeth, a quick release drive and shall be steel overall with chromium surface finish, with the exception of the drive which shall be oxide finish. The ratchet shall be in accordance with ASME B107.10.	EA	L	Snap-On SR80A
Wrenches / Pliers						
3.5.215	5120	Wrench, Adjustable, 12 inches long, 1.5 inch capacity	The adjustable wrench shall be 11.5 to 12.5 inches long overall with a jaw opening of no less than 1.312 inches. The wrench shall feature a rack and worm adjustment and be a Type 1 adjustable wrench in accordance with ASME B107.100 (B107.8). The wrench shall be steel overall with corrosion resistant surface finish.	EA	L	Armstrong Tool 28-412

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.216	5120	Wrench, Adjustable, 15 inches long, 1.6875 inch capacity	The adjustable wrench shall be 14.5 to 15.5 inches long overall with a jaw opening of no less than 1.688 inches. The wrench shall feature a rack and worm adjustment and be a Type I adjustable wrench in accordance with ASME B107.100 (B107.8). The wrench shall be steel overall with corrosion resistant surface finish.	EA	L	Armstrong Tool 28-415 Stanley Proto J715
3.5.217	5120	Wrench, Adjustable, 18 inches, 2 inch capacity	The adjustable wrench shall be 17.5 to 19 inches long overall with a jaw opening of no less than 2.062 inches. The wrench shall feature a rack and worm adjustment and be a Type 1 adjustable wrench in accordance with ASME B107.100 (B107.8). The wrench shall be steel overall with corrosion resistant surface finish.	EA	L	Armstrong Tool 28-418 Stanley Proto J718
3.5.218	5120	Pliers, Tongue and Groove, 12 inches	The tongue and groove pliers shall have an overall length of 11 to 13 inches, a work capacity with jaws parallel of no less than 2.1 inches and shall have no less than 5 adjustment positions. The pliers shall have straight serrated jaws and shall be Type 1, Class 1, Style A pliers in accordance with ASME B107.500 (B107.23).	EA	L	Snap-On AWP120
3.5.219	5120	Pliers, Tongue and Groove, 6.5 inches	The tongue and groove pliers shall have an overall length of 6 to 7.2 inches, a work capacity with jaws parallel of no less than 0.7 inches and shall have no less than 4 adjustment positions. The pliers shall have straight serrated jaws and shall be Type 1, Class 1, Style A pliers in accordance with ASME B107.500 (B107.23).	EA	L	Snap-On AWP65
3.5.220	5120	Pliers, Needle Nose, 8 inches	The needle nose pliers shall be 7.5 to 8.5 inches long overall with a jaw length of 2.06 to 2.69 inches. The pliers shall have rounded jaw edges with serrated jaws. The pliers shall be made of steel with corrosion resistant surface finish and shall have vinyl grips on the handles.	EA	L	Snap-On 96CF
3.5.221	5120	Pliers, Needle Nose, Long handle, 14 inches, Slim	The needle nose pliers shall be 12 to 15 inches long overall with a jaw length of 3.25 to 3.75 inches and extra long handles. The pliers shall have long, slim jaws, shall be steel overall with corrosion resistant surface finish and shall have vinyl grips on the handles.	EA	L	Snap-On 915CP

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.222	5110	Pliers, Diagonal Cutting, 6 inches	The diagonal cutting pliers shall have an overall length of 5.5 to 6.5 inches and a jaw opening of no less than 0.44 inches. The diagonal cutting pliers shall be steel overall with corrosion resistant surface finish and shall have vinyl grips on the handles. The pliers shall be Type I diagonal cutting pliers in accordance with ASME B107.500 (B107.11).	EA	L	Snap-On 86CF
3.5.223	5120	Pliers, slip joint, 8 inches	The slip joint pliers shall have an overall length of 7 to 9 inches and a jaw length of 1.5 to 2.2 inches. The pliers shall have an adjustable joint capable of adjusting to three positions, have serrated jaws, be made of steel overall with corrosion resistant surface finish and have vinyl grips on the handles. The pliers shall be Type II, Class 1, Style A pliers in accordance with ASME B107.500 (B107.23).	EA	L	Snap-On 137CF
3.5.224	5120	Wrench, Torque, 20-100 ft-lbs, 3/8 inch drive	The torque wrench shall be a click-style torque wrench with feel impulse and a fixed ratcheting head. The wrench shall be 14 to 16 inches long overall and be made of steel overall with corrosion resistant surface finish. The torque wrench shall be capable of reading a range of no less than 20 to 100 foot-pounds (ft-lbs) with graduations of no more than 0.5 ft-lbs. The torque wrench shall have a 3/8 inch square drive and have an accuracy of +/- 6% or better. The tool shall be a Type II, Class A, Style 2, Design A torque wrench in accordance with ASME B107.300 (B107.14) and shall be supplied with a protective storage case.	EA	L	Snap-On QD2R100
3.5.225	5120	Wrench, Torque, 50-250 ft-lbs, 1/2 inch drive, 22 inches long	The torque wrench shall be a click-style torque wrench with feel impulse and a fixed ratcheting head. The wrench shall be 21 to 24.25 inches long overall and be made of steel overall with corrosion resistant surface finish. The torque wrench shall be capable of reading a range of no less than 50 to 250 ft-lbs with graduations of no more than 1 ft-lbs. The torque wrench shall have a 1/2 inch square drive and have an accuracy of +/- 6% or better. The tool shall be a Type II, Class A, Style 1, Design A torque wrench in accordance with ASME B107.300 (B107.14) and shall be supplied with a protective storage case.	EA	L	Snap-On QD3R250

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.226	5120	Wrench, Torque, 120-600 ft-lbs, 3/4 inch drive	The torque wrench shall be a click-style torque wrench with feel impulse and a fixed ratcheting head. The wrench shall be 38 to 44 inches long overall and be made of steel overall with corrosion resistant surface finish. The torque wrench shall be capable of reading a range of no less than 120 to 600 ft-lbs with graduations of no more than 5 ft-lbs. The torque wrench shall have a 3/4 inch square drive and have an accuracy of +/- 6% or better. The tool shall be a Type II, Class A, Style 1, Design A torque wrench in accordance with ASME B107.300 (B107.14) and shall be supplied with a protective storage case.	EA	L	Snap-On QD4R600
3.5.227	5120	Wrench, Torque, 200-1000 ft-lbs, 1 inch drive	The torque wrench shall be a click-style torque wrench with feel impulse and a fixed ratcheting head. The wrench shall be 60 to 80 inches long overall and be capable of breaking down into smaller length sections for storage. The wrench shall be steel overall with corrosion resistant surface finish and be capable of reading a range of no less than 200 to 1000 ft-lbs with graduations of no more than 5 ft-lbs. The torque wrench shall have a 1 inch square drive and an accuracy of +/- 6% or better. The tool shall be a Type II, Class A, Style 2, Design A torque wrench in accordance with ASME B107.300 (B107.14) and shall be supplied with a protective case.	EA	L	Snap-On QD5R1000
3.5.228	5120	Wrench, Combo, 12 point, 2 inches	The combination wrench shall have an overall length of 25 to 26 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 2 inches. The wrench shall be a steel combination wrench with an industrial finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX64A
3.5.229	5120	Wrench, Combo, 12 point, 1-7/8 inches	The combination wrench shall have an overall length of 23.5 to 24.5 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 1-7/8 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX60A

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.230	5120	Wrench, Combo, 12 point, 1-13/16 inches	The combination wrench shall have an overall length of 23 to 24 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 1-13/16 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX58A
3.5.231	5120	Wrench, Combo, 12 point, 1-3/4 inches	The combination wrench shall have an overall length of 22.5 to 23.5 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 1-3/4 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX56A
3.5.232	5120	Wrench, Combo, 12 point, 1-11/16 inches	The combination wrench shall have an overall length of 22.5 to 23.5 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 1-11/16 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Stanley Proto J1254
3.5.233	5120	Wrench, Combo, 12 point, 1-5/8 inches	The combination wrench shall have an overall length of 21 to 22 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 1-5/8 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX52B
3.5.234	5120	Wrench, Combo, 12 point, 1-9/16 inches	The combination wrench shall have an overall length of 20.25 to 21.25 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 1-9/16 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX50B

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.235	5120	Wrench, Combo, 12 point, 1-1/2 inches	The combination wrench shall have an overall length of 19.5 to 20.5 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 1-1/2 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX48B
3.5.236	5120	Wrench, Combo, 12 point, 1-7/16 inches	The combination wrench shall have an overall length of 18.5 to 19.5 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 1-7/16 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX46B
3.5.237	5120	Wrench, Combo, 12 point, 1-3/8 inches	The combination wrench shall have an overall length of 18 to 19 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 1-3/8 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX44B
3.5.238	5120	Wrench, Combo, 12 point, 1-5/16 inches	The combination wrench shall have an overall length of 17.5 to 18.5 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 1-5/16 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX42B
3.5.239	5120	Wrench, Combo, 12 point, 1-1/4 inches	The combination wrench shall have an overall length of 16.5 to 17.5 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 1-1/4 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX40B

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.240	5120	Wrench, Combo, 12 point, 1-3/16 inches	The combination wrench shall have an overall length of 16 to 17 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 1-3/16 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX38B
3.5.241	5120	Wrench, Combo, 12 point, 1-1/8 inches	The combination wrench shall have an overall length of 15 to 16 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 1-1/8 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX36B
3.5.242	5120	Wrench, Combo, 12 point, 1-1/16 inches	The combination wrench shall have an overall length of 14.25 to 15.25 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 1-1/16 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX34B
3.5.243	5120	Wrench, Combo, 12 point, 1 inch	The combination wrench shall have an overall length of 13.5 to 14.5 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 1 inch. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX32B
3.5.244	5120	Wrench, Combo, 12 point, 15/16 inches	The combination wrench shall have an overall length of 13 to 14 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 15/16 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX30B

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.245	5120	Wrench, Combo, 12 point, 7/8 inches	The combination wrench shall have an overall length of 12 to 13 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 7/8 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX28B
3.5.246	5120	Wrench, Combo, 12 point, 13/16 inches	The combination wrench shall have an overall length of 11.25 to 12.25 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 13/16 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX26B
3.5.247	5120	Wrench, Combo, 12 point, 3/4 inches	The combination wrench shall have an overall length of 10.5 to 11.5 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 3/4 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX24B
3.5.248	5120	Wrench, Combo, 12 point, 11/16 inches	The combination wrench shall have an overall length of 9.75 to 10.75 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 11/16 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX22B
3.5.249	5120	Wrench, Combo, 12 point, 5/8 inches	The combination wrench shall have an overall length of 9 to 10 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 5/8 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX20B

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.250	5120	Wrench, Combo, 12 point, 9/16 inches	The combination wrench shall have an overall length of 8.25 to 9.25 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 9/16 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX18B
3.5.251	5120	Wrench, Combo, 12 point, 1/2 inches	The combination wrench shall have an overall length of 7.5 to 8.5 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 1/2 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX16B
3.5.252	5120	Wrench, Combo, 12 point, 7/16 inches	The combination wrench shall have an overall length of 6.75 to 7.75 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 7/16 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX14B
3.5.253	5120	Wrench, Combo, 12 point, 3/8 inches	The combination wrench shall have an overall length of 6 to 7 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 3/8 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX12B
3.5.254	5120	Wrench, Combo, 12 point, 5/16 inches	The combination wrench shall have an overall length of 5.25 to 6.25 inches. The wrench shall feature one 12-point, 15-degree offset box-end and one open-end both with a wrenching size of 5/16 inches. The wrench shall be a steel combination wrench with an industrial surface finish and be in accordance with ASME B107.100 (B107.6).	EA	L	Snap-On GOEX10B
3.5.255	5120	Wrench, Cap Nut, Combination	The combination cap nut wrench shall have one 41 mm metric and one 1-1/2 inch SAE wrenching end. The wrenching ends shall be offset so one end fits over the outer cap nut and the other end through the center hole to reduce slipping during nut removal. The wrench shall be steel overall.	EA	M	Ken-Tool TX50

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
Tool Chest						
3.5.256	5120	Chest, Tool, GMTK, w/ Drawers	The GMTK (General Mechanics Tool Kit) tool chest shall be a heavy duty plastic case that is nominally 24 inches long by 15 inches wide by 18 inches deep. The case shall have seven (7) drawers that open to the front, a 3 inch nominal depth top storage location, a way to secure the drawers to keep them from opening while being moved around, the ability to accept an organizing method that will display and retain each tool in its dedicated location during transport and rough handling, attached wheels that are replaceable, a telescoping handle for moving the case around on the wheels and the ability to reconfigure the drawers in the field. The case shall weigh no more than 42 pounds with all drawers installed. The case shall have a locking feature for the entire tool chest using one or two padlocks. The case shall have two handles, one on each end of the tool box, that cannot be readily removed. The tool chest shall be water resistant and dust resistant in accordance with the water immersion and blowing dust tests specified in MIL-STD-810F. The tool chest shall be capable of withstanding without permanent deformation the force of being dropped from a height of no less than 5 feet at ambient temperature no less than one time on each of the four bottom edges. The tool chest shall be stackable with other identical tool chests and shall have an automatic pressure relief valve.	EA	M	Pelican 0450WD
3.5.257	5120	Chest, Tool, Wheel replacement	The wheels shall be field replaceable wheels for the GMTK Tool Chest described in 3.5.256. The wheels shall use simple fasteners for easy cleaning and replacement in the field.	EA	M	
Other						

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.258	5120	Set, Drill Bit, Mechanics length	The drill bit set shall consist of no less than 29 drill bits with straight 3-flat shanks, 135-degree points and mechanic's lengths. The drill bits shall be made of industrial grade cobalt steel with a gold ferrous oxide finish. The drill bits shall each have a 3/8 inch diameter shank and be used for drilling in stainless steel, abrasive metal and other alloys. The set shall contain no less than one each of drill bits sized 1/16 to 1/2 by 64ths. The bits shall be supplied with an index box capable of holding each drill bit in a separate position.	EA	M	Snap-Ono DBTR129
3.5.259	5120	Awl, Pointed Shaft	The tire awl shall have a steel pointed blade that is 3.75 +/- 0.25 inches long and a plastic screwdriver type handle. The awl shall be used to probe a hole in a tire to help determine the repair required.	EA	M	REMA Tip Top 190
3.5.260	5120	Awl, Scratch	The scratch awl shall have a steel blade with corrosion resistant surface finish and a plastic handle with or without cushion grip. The awl shall have an overall length of 7.5 to 8.5 inches and a blade length of 3.5 to 4 inches. The awl shall be used for o-ring removal and for piercing holes in leather or fabric.	EA	L	Snap-On SG4ASABR
3.5.261	5120	Knife, skiving, taper point	The knife shall have a tapered point, a blade length of 4 +/- 0.25 inches and a wood handle. The knife blade shall be made of steel overall. The knife shall be used for tire repair preparation and finishing.	EA	M	REMA Tip Top 930
3.5.262	5120	Hex Key Set, 13 piece	The hex key set shall consist of no less than 13 L-shaped hex keys including one each of the following sizes: 0.05, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 3/8, 5/16 and 3/8 inches. The hex keys shall be steel overall with a rust preventative coating or finish. The hex keys shall be supplied in a plastic caddy or storage index capable of housing each key in a separate position.	EA	L	Snap-On AWS13
3.5.263	5120	Hex Key Set, 9 piece, Metric	The hex key set shall consist of no less than 9 L-shaped hex keys including one each of the following sizes: 1.5, 2, 2.5, 3, 4, 5, 6, 8, and 10 mm. The hex keys shall be steel overall with a rust preventative coating or finish. The hex keys shall be supplied in a plastic caddy or storage index capable of housing each key in a separate position.	EA	L	Snap-On AWMG9

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.264	4210	Extinguisher, Fire, 5 lbs	The fire extinguisher shall contain 5 lbs of multipurpose dry chemical fire extinguishing agent. The fire extinguisher shall be capable of discharging in no more than 18 seconds, shall be UL rated 3-A:40-B:C, and be supplied with a hose and mounting bracket.	EA	M	Kidde 468001
3.5.265	3460	Vise, Heavy Duty, 6 inches	The heavy duty bench vise shall feature a jaw width of 6 +/- 0.25 inches, a pipe capacity of no less than 0.25 to 3.5 inches, and an opening range of no less than 0 to 5.75 inches. The vise shall have a swivel base capable of rotating 360 degrees with mounting holes for bolting to a table or bench. The vise shall be made of cast iron or steel with corrosion resistant surface finish.	EA	M	Snap-On WV1560VIS
3.5.266	6115	Generator, 100 Kw, Diesel	The generator shall be rated at 100 kW, 3-phase, brushless, 120/208/240/416 volts at 50/60 Hz and no less than 1800 RPM, diesel powered engine, fully-enclosed, self-contained and mounted on a skid with forklift pockets for transportability. The diesel engine shall be capable of operating continuously on Military grade JP-8 fuel and shall contain a designated area for the 24 VDC battery with hold down provisions. The generator shall operate as a stand-alone unit or in parallel with another compatible unit. The generator shall have a fuel capacity of no less than 60 gallons and a fuel consumption rate of no more than 8 gallons per hour at full load. The generator shall be capable of starting and operating in temperatures of -25 degrees Fahrenheit to no less than +120 degrees Fahrenheit. The generator shall be capable of being used with any piece of equipment requiring a large source of external AC power and shall have an audio rating of no more than 80 dBA (decibels) at a distance of no more than 7 meters.	EA	M	DRS Technologies MEP-807A or NSN 6115-01-296-1463

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.267	6115	Generator, 30 Kw, Diesel	The generator shall be rated at 30 kW, 3-phase, brushless, 240 volts at 60 Hz and no less than 1500 RPM, diesel powered engine, fully-enclosed, self-contained and mounted on a skid with forklift pockets for transportability. The diesel engine shall be capable of operating continuously on Military grade JP-8 fuel and shall contain a designated area for the 12 VDC battery with hold down provisions. The generator shall operate as a stand-alone unit. The generator shall have a fuel capacity of no less than 132 gallons and a fuel consumption rate of no more than 2.75 gallons per hour at full load. The generator shall be capable of starting and operating in temperatures of -25 degrees Fahrenheit to no less than +120 degrees Fahrenheit. The generator shall be capable of being used with any piece of equipment requiring a large source of external AC power and shall have an audio rating of no more than 80 dBA (decibels) at a distance of no more than 7 meters.	EA	M	GENERAC base model SD030 (with enclosure and 132 gallon tank)
3.5.268	6115	Switch, Automatic Transfer	The automatic transfer switch shall monitor incoming voltage and signal the generator to start when a power interruption is detected. When a power interruption is detected, the transfer switch shall shut off the incoming voltage source and open the generator power line once the generator is running at the required speed. The automatic transfer switch shall continue monitoring the incoming voltage source and shall transfer the electrical load back to the incoming voltage source once the main supply line has returned to the required voltage and at a steady state. The transfer switch shall monitor for utility loss continuously after the power outage has subsided. The transfer switch shall be compatible with the 3-phase, 100kw generator described above in 3.5.266.	EA	M	

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.269	4910	Pressure Washer, Hot Water, Diesel	<p>The hot water pressure washer shall be skid mounted with a square tube steel frame. The pressure washer shall have a diesel 15.5 HP engine, a fuel tank capacity of no less than 10 gallons, a pump drive belt and shall have solid ceramic pistons. The pressure washer shall have an electric start, a pressure relief valve, a diesel fired burner, and a heavy-duty dual cogged belt drive system. The pressure washer shall have a fuel filter with water separator and no less than a 2600-2900 watt generator.</p> <p>The pressure washer shall be capable of raising the water temperature to no less than 200 degrees Fahrenheit, producing no less than 4000 PSI and no less than 4.5 GPM (gallons per minute). The pressure washer shall be supplied with no less than four quick connect nozzles including one each of the following: 0, 15, 25 and 40 degree nozzles. The pressure washer shall be supplied with a 3/8 inch diameter hose that is no less than 50 feet long and an insulated trigger gun that has a safety lock-off. The pressure washer shall be nominally 46 inches tall by 34 inches wide by 56.5 inches long.</p>	EA	M	Mi-T-M HS-4005-0MDK
3.5.270	5310	Kit, Remover, Budd Nut	<p>The budd nut remover kit shall consist of a drive-on tool, a 1-1/8 inch rib nut, a 5/8 inch rib nut and a 3/4 inch rib nut. The kit shall be used to remove spoke wheel studs by driving the rib nut over the broken cap nut or wheel stud and removing with an impact wrench.</p>	EA	N	Grey Pneumatic 2413
3.5.271	5310	Nut, Rib, 5/8 inches	<p>The tool shall be a multi-piece tool used to remove 5/8 inch broken or stripped inner cap nuts and spoke wheel studs. The rib nut shall be compatible with the budd nut remover kit described in 3.5.261.</p>	EA	N	Grey Pneumatic 2416
3.5.272	5310	Nut, Rib, 3/4 inches	<p>The tool shall be a multi-piece tool used to remove 3/4 inch broken or stripped inner cap nuts and spoke wheel studs. The rib nut shall be compatible with the budd nut remover kit described in 3.5.261.</p>	EA	N	Grey Pneumatic 2417
3.5.273	5310	Nut, Rib, 1-1/8 inches	<p>The tool shall be a multi-piece tool used to remove 1-1/8 inch broken or stripped inner cap nuts and spoke wheel studs. The rib nut shall be compatible with the budd nut remover kit described in 3.5.261.</p>	EA	N	Grey Pneumatic 2415

Table 1: Items						
Item #	FSC	Nomenclature	Salient Characteristics	UI	WTY	Suggested Source
3.5.274	4910	Lift Jack, Hydraulic 22 Tons	The air-operated hydraulic lift jack shall be capable of lifting no less than 22 tons a height of no less than 20 inches. The jack shall be powered by 150 psi, shall have a 48 to 50 inch long handle and a screw extension with a length of 4 to 5 inches. The jack shall have two wheels at one end for easy movement and no wheels on the other end for positioning. The jack shall weigh no more than 85 lbs.	EA	M	Snap-On YA1731A
3.5.275	5120	Clamp, C, Regular, 6 inches	The c-clamp shall have a throat depth of no less than 2.25 inches and a jaw capacity of no more than 2 inches to no less than 6 inches. The clamp shall be rated for no less than 11,000 lbs.	EA	M	Armstrong Tool 78-106
3.5.276	5120	Clamp, C, Regular, 10 inches	The c-clamp shall have a throat depth of no less than 5.5 inches and a jaw capacity of no more than 2 inches to no less than 10 inches. The clamp shall be rated for no less than 6,000 lbs.	EA	M	Armstrong Tool 78-411

*Acronyms:

FSC - Federal Supply Class

¹UI (unit) definitions:

EA - each SE - set BX - box

²WTY (warranty) definitions:

L - Lifetime warranty

M - Manufacturer's

N - No Warranty

3.6. Unique Item Identification (UII/UID). In addition to the requirements of DFARS clause 252.211-7003, when the cost of a complete order exceeds \$5000, each packaged order shall be marked with a UII/UID that has machine-readable data elements that will distinguish it from all other like and unlike items. Each unique item identifier shall be globally unique and unambiguous. The UII/UID data elements shall be contained in a 2D (2-dimensional) Data Matrix symbol with Error Correction Code (ECC) 200 symbol in accordance with ISO/IEC 16022. Any individual item for which the cost to the Government exceeds \$5000 shall also be marked with a UII/UID. Markings shall conform to MIL-STD-130. The identifier shall remain intact and readily human and machine readable for the expected life of the set. The unique item identifier shall not be repeated during the life of the contract. If construct number 2 is used (serialization within the original part number of the enterprise), the contractor shall maintain the original part number on the item for the life of the item (see "Department of Defense Guide to Uniquely Identifying Items: Assuring Valuation, Accountability and Control of Government Property", Version 1.4). Further guidance on unique item identification may be found at

http://www.acq.osd.mil/dpap/Docs/uid/guide_1_4.pdf and
<http://www.acq.osd.mil/dpap/pdi/uid/index.html>.

4. QUALITY ASSURANCE PROVISIONS

4.1. General Provisions. The product verifications and conformance inspections stated herein shall be performed to determine whether the item conforms to Section 3 of this Description for Purchase. Unless otherwise specified in the contract, all verifications and inspections shall be performed in accordance with the conditions specified herein. The contractor is responsible for the performance of all product verifications and conformance inspections specified herein. The contractor may use his own or any other facilities suitable for the performance of the verifications and inspections, unless disapproved by the Government. The Government reserves the right to perform any of the verifications and inspections set forth in this DFP, at a later date and in its own facilities, where such verifications and inspections are deemed necessary to ensure supplies and services conform to prescribed requirements.

4.1.1. Classification of inspections. The inspection requirements specified herein are classified as follows:

- a. Reserved
- b. Conformance inspection (see 4.3)

4.1.1.1. Unique Item Identification. If the cost of any item exceeds \$5,000, verify the proper UII/UID is supplied and attached. (see 3.6)

4.2. Conformance inspection. Conformance inspection shall be applied to the production units being offered for acceptance under the contract. These inspections shall include all verifications listed under paragraph 4.3.

4.2.1. Inspection lot formation. Inspection lots shall be formed in accordance with Section 4 of MIL-STD-1916.

4.2.1.1. Sampling Plan Determination. Sampling inspections shall be conducted in accordance with MIL-STD-1916 using Verification Level I.

4.2.1.2. Rejection: Failure of any item to pass any verification shall be cause for rejection of the lot.

4.2.2. Product examination. Visually, dimensionally, and manually examine each item to determine conformance with the requirements. Visual examination shall include verification of completeness of manufacture and assembly, proper cleaning, and freedom from the identified defects. Dimensional examination includes measuring dimensions as specified and weighing the unit. Manual examinations shall include the operation of movable parts by hand to assure proper functioning. (see 3.5.1 through 3.5.267)

4.2.3. Packaging. Verify that unit packaging, unit package markings, shipping containers, shipping container markings, packing lists, quality certification heat treatment markings and unitization requirements are in accordance with Section 5 of this DFP. Failure to comply with the requirements may be cause for rejection. Inspection of packaging shall consist of one of each item packaged for individual shipment.

4.3. Changes to materials, processes, or configuration. The contracting officer shall be informed of any changes to the materials, processes, or configuration of any characteristic of any of the items. The contracting officer shall determine if the reported changes to materials, processes, or configuration shall require additional verifications. In addition, the Contracting Officer shall be provided the date of production and the UII/UID number corresponding to when the indentified change is to be incorporated.

4.4. Conformance of subsequent production quantity. All items offered for acceptance throughout the life of the contract shall conform to all of the requirements of the contract. The Government reserves the right to re-verify conformance with requirements at any time during the life of the contract whenever there is a lapse in production for a period in excess of one year; or whenever a change occurs in place of performance, manufacturing process, material used, specification, or source of supply and return to the contractor such product that does not conform to the specified requirements in accordance with FAR Clause 52.212-4(a) of the contract. When any of the conditions above occur, the Contractor shall notify the Contracting Officer so that a determination can be made concerning the need for additional product performance verification and conformance inspections. Costs of any additional testing and inspection shall be borne by the Contractor, unless the change was directed by the Government. Further, any production delays caused by additional testing and inspection will not be the basis for an excusable delay as defined in FAR 52.212-4 of this contract. Such delays shall not form the basis for adjustment in contract price or delivery schedule.

5. PRESERVATION, PACKING AND PACKAGING

5.1 Packaging. Preservation, packaging, packing, unitization and marking furnished by the supplier shall provide protection for a minimum of one year, provide for multiple handling, redistribution and shipment by any mode and meet or exceed the following requirements.

5.1.1 Cleanliness. Items shall be free of dirt and other contaminants which would contribute to the deterioration of the item or which would require cleaning by the customer prior to use. Coatings and preservatives applied to the item for protection are not considered contaminants. Cleaning may be any suitable process that is not injurious to the item or the protective finish.

5.1.2 Preservation. Items susceptible to corrosion or deterioration shall be provided protection by means of preservative coatings, volatile corrosion inhibitors, desiccants, waterproof and or watervaporproof barriers.

5.1.3 Cushioning. Items requiring protection from physical and mechanical damage (e.g. fragile, sensitive, material critical) or which could cause physical damage to other items shall be protected by wrapping, cushioning, pack compartmentalization, or other means to mitigate shock and vibration to prevent damage during handling and shipment. Items of a delicate nature shall not be subjected to damage from rugged items contained within the kit. Non-critical items of odd shapes or having sharp protrusions will not damage other items or protective barriers.

5.2 Unit Package. A unit package shall be so designed and constructed that it will contain the contents with no damage to the item(s), and with minimal damage to the unit pack during shipment and storage in the shipping container, and will allow subsequent handling. The outermost component of a unit package shall be a container such as a sealed bag, carton or box. Unit packs shall be designed to have minimum size and weight while retaining the protection required and enhancing standardization.

5.3 Unit Package Quantity. Unless otherwise specified, the unit package quantity shall be one each part, set, assembly, kit, etc.

5.4 Intermediate Package – (as applicable) Intermediate packaging is required whenever one or more of the following conditions exist:

- a. the quantity is over one (1) gross of the same national stock number,
- b. use enhances handling and inventorying,
- c. the exterior surfaces of the unit pack is a bag of any type, regardless of size,
- d. the unit pack is less than 64 cubic inches,
- e. the weight of the unit pack is less than five (5) pounds and no dimension is over twelve (12) inches.

Intermediate containers shall be limited to a maximum of 100 unit packs, a net load of 40 pounds, or a maximum volume of 1.5 cubic feet, whichever occurs first.

5.5 Shipping Containers. Unit packages and intermediate packages not meeting the requirements for a shipping container shall be packed in shipping containers. All shipping containers shall be the most cost effective and shall be of minimum cube to contain and protect the items. The shipping container (including any necessary blocking, bracing, cushioning, or waterproofing) shall comply with the regulations of the carrier used and shall provide safe delivery to the destination at the lowest tariff cost. The shipping container shall be capable of multiple handling, stacking at least ten feet high, and storage under favorable conditions (such as enclosed facilities) for a minimum of one year.

5.6 Unitization. Shipments of identical items going to the same destination shall be palletized if they have a total cubic displacement of 50 cubic feet or more unless skids or other forklift handling features are included on the containers. Pallet loads shall be stable, and to the greatest extent possible, provide a level top for ease of stacking. A palletized load shall be of a size to allow for placement of two pallet loads high and wide in a conveyance. The weight capacity of the pallet shall be adequate for the load. The preferred commercial expendable pallet is a 40 x 48 inch, 4-way entry pallet although variations may be permitted as dictated by the characteristics of the items being unitized. All variations must be approved by the contracting

office prior to implementation. The load shall be contained in a manner that will permit safe handling during shipment and storage.

5.7 Marking. All unit packages, intermediate packs, exterior shipping containers, and, as applicable, unitized loads shall be marked in accordance with MIL-STD-129, Revision P Change Notice 4, dated 19 Sep 2007 including bar coding and a MSL label. The contractor is responsible for application of special markings as discussed in the Military Standard regardless of whether specified in the contract or not. Special markings include, but are not limited to, Shelf-life markings, structural markings, and transportation special handling markings. The marking of pilferable and sensitive materiel will not identify the nature of the materiel. Passive RFID tagging is required in all contracts that contain DFARS clause 252.211-7006. Contractors shall check the solicitation and/or contract for this clause. For details and most recent information, see <http://www.acq.osd.mil/log/rfid/index.htm> for the current DoD Suppliers' Passive RFID Information Guide and Supplier Implementation Plan. If the item has Unique Item Identifier (UII) markings then the UII needs to be 2D bar coded and applied on the unit package, intermediate and exterior containers, and the unit load.

5.8 Hazardous Materials (as applicable): Hazardous Materials is defined as a substance, or waste which has been determined by the Secretary of Transportation to be capable of posing an unreasonable risk to health, safety, and property when transported in commerce and which has been so designated. (This includes all items listed as hazardous in Titles 29, 40 and 49 CFR and other applicable modal regulations effective at the time of shipment.)

When applicable, the packaging and marking for hazardous material shall comply with the requirements for the mode of transport and the applicable performance packaging contained in the following documents:

- International Air Transport Association (IATA) □ • Dangerous Goods Regulations
- International Maritime Dangerous Goods Code (IMDG) □ •
- Code of Federal Regulations (CFR) Title 29, Title 40 □ • and Title 49
- Joint Service Regulation □ • AFJMAN24-204/TM38-250/NAVSUPPUB 505/MCO P4030.19/DLAM 4145.3 (for military air shipments).

If the shipment originates from outside the continental United States, the shipment shall be prepared in accordance with the United Nations Recommendations on the Transport of Dangerous Goods in a manner acceptable to the Competent Authority of the nation of origin and in accordance with regulations of all applicable carriers.

Product Material Safety Data Sheet (MSDS) is required to be included with every unit pack and intermediate container and shall be included with the packing list inside the sealed pouch attached to the outside of the package.

5.9 Heat Treatment and Marking of Wood Packaging Materials. All non-manufactured wood used in packaging shall be heat treated to a core temperature of 56 degrees Celsius for a minimum of 30 minutes. The box/pallet manufacturer and the manufacturer of wood used as inner packaging shall be affiliated with an inspection agency accredited by the board of review of the American Lumber Standard Committee. The box/pallet manufacturer and the manufacturer of wood used as inner packaging shall ensure tractability to the original source of heat treatment. Each box/pallet shall be marked to show the conformance to the International Plant Protection Convention Standard. Boxes/pallets and any wood used as inner packaging

made of non-manufactured wood shall be heat-treated. The quality mark shall be placed on both ends of the outer packaging, between the end cleats or end battens; on two sides of the pallet. . Foreign manufacturers shall have the heat treatment of non-manufactured wood products verified in accordance with their National Plant Protection Organization's compliance program.

In addition, wood used as dunnage for blocking and bracing, to include ISO containers, shall be ordered with ALSC certified marking for dunnage or the markings may be applied locally at two foot intervals.

5.10 Quality Assurance. The contractor is responsible for establishing a quality system. Full consideration to examinations, inspections, and tests will be given to ensure the acceptability of the commercial package. All items, packing configurations, and markings supplied under this contract shall be identical to the first article

5.11 Supplemental Instructions. Overall, packaging shall successfully pass test levels of ASTM D 4169, Distribution Cycle 18, Assurance Level (I for level A pack, or II for level B pack), Acceptance Criterion 3. Testing shall be witnessed by the Government Quality Assurance Representative. Packaged gross weight and size shall be included on the test report as well as a detailed description of the packaging. The Contractor is exempted from testing if previous data for same or similar items can be provided (see Para. 5.6 of MIL-STD-2073-1D) and is acceptable to the Government.