

NSN: 5180-01-502-9504  
 COMPONENTS LIST (TRI001CL) (CAGE: 19207)  
 FOR  
 KIT, BATTLE DAMAGE ASSESSMENT & REPAIR (BDAR),  
 CREW (19 March 2004)

NOMENCLATURE	UI	QTY	CHARACTERISTICS	KNOWN SOURCES
1. BAG, TOOL	EA	1	MATERIAL: .1000 DENIER NYLON CORDURA. WITH NO LESS THAN 18 OZ VINYL COATED NYLON BOTTOM REINFORCEMENT BAG SHALL OPEN AT TOP WITH ANYLON ZIPPER WITH NICKEL PLATED ZIPPER PULL. BAG SHALL CONTAIN THREE INTERIOR POCKETS, ONE UNDER TOP OF LID, AND ONE EACH ON EACH LONG SIDE OF BAG. 2 CARRYING HANDLES SHALL BE PROVIDED OF NO LESS THAN 1.5 INCH POLYPROPYLENE WEBBING, BLACK AND EXTENDED 16 INCHES ABOVE THE BAG. HANDLES SHALL BE SEWN ON TO ALLOW IT TO CARRY ENTIRE KIT WITHOUT TEARING OFF. DIMENSIONS WHILE BAG IS EMPTY NOT TO EXCEED: 9 INCHES HIGH, 19 INCHES LONG, 11 INCHES WIDE COLOR: OLIVE DRAB	
2. WIRE, NON-ELECTRICAL		SPOOL<1&1/2 lb	MATERIAL: STAINLESS STEEL IAW ASTM A580 COMPOSITION 302 AND A CONDITION DIAMETER: .020 - .040 INCHES LENGTH: 350 – 1000 feet A.K.A: STAINLESS STEEL SAFETY LOCK WIRE NOT TO EXCEED 1.5 LBS	
3. PUTTY, REPAIR	EA	1	1- BOTTLE, PUTTY, NO LESS THAN 8 OZ, DESIGNED FOR FIBERGLASS, ALUMINUM AND STEEL REPAIR LIGHT SENSITIVE RESIN SHALL BE FURNISHED WITH USAGE INSTRUCTIONS SHALL BE FURNISHED WITH MATERIAL SAFETY DATA SHEET (MSDS)	PN: 7020 (PUTTY ONLY) CAGE: 0BP49 SUNREZ CORP. 392 COOGAN WAY SUITE C EL CAJON, CA 92020 619-442-3353



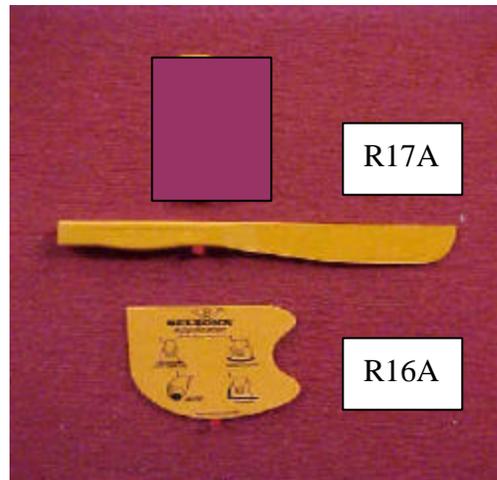
8. CLAMP, HOSE 4 INCH	EA	2	<p>MATERIAL: CORROSION RESISTANT STEEL  FASTENING DEVICE TYPE: SLOTTED HEXAGON  HEAD SCREW  WIDTH: ½ INCH MINIMUM AND 9/16 INCH MAXIMUM  MIN 4 1/2 INCH DIAMETER  APPROXIMATE 44-95 MM LAWSON SIZE 52  MINIMUM CLAMPING DIAMETER: MIN 3 INCHES DIAMETER  DESIGNED FOR: CLAMPING 4 INCH OUTSIDE DIAMETER  HOSES, WORM DRIVE  A.K.A: 4 INCH HOSE CLAMP, BAND TYPE CLIP</p>
9. CLAMP, HOSE 3 INCH	EA	2	<p>MATERIAL: CORROSION RESISTANT STEEL  FASTENING DEVICE TYPE: SLOTTED HEXAGON  HEAD SCREW  WIDTH: ½ INCH MINIMUM AND 9/16 INCH MAXIMUM  APPROXIMATE 29-76MM IDEAL BRAND SIZE 40  MAXIMUM OPENING DIAMETER: 2 1/2 INCH DIAMETER  DESIGNED FOR: CLAMPING 3 INCH OUTSIDE DIAMETER  HOSES, WORM DRIVE  A.K.A. 3 INCH HOSE CLAMP, BAND TYPE CLIP</p>
10. CLAMP, HOSE 2 INCH	EA	2	<p>MATERIAL: CORROSION RESISTANT STEEL  FASTENING DEVICE TYPE: SLOTTED HEXAGON  HEAD SCREW  WIDTH: ½ INCH MINIMUM AND 9/16 INCH MAXIMUM  APPROXIMATE  MAXIMUM OPENING DIAMETER: 2 ½ INCH DIAMETER  DESIGNED FOR: CLAMPING 2 INCH OUTSIDE DIAMETER  HOSES, WORM DRIVE  A.K.A. 2 INCH HOSE CLAMP, BAND TYPE CLIP</p>
11. CLAMP, HOSE ¾ INCH	EA	2	<p>MATERIAL: CORROSION RESISTANT STEEL  FASTENING DEVICE TYPE: SLOTTED HEXAGON  HEAD SCREW  MINIMUM ½ INCH  BAND TYPE CLIP WORM DRIVE</p>

12. WIRE CONNECTOR, ORANGE	EA	10	<p>FLAME RETARDANT THERMOPLASTIC SHELL  FOR MAKING BRANCH CIRCUIT WIRE OR FIXTURE WIRE CONNECTIONS  AWG RANGE: 22-14  WIRE COMBINATIONS: (2) #18 MIN AND (3) #14 MAX  A.K.A: ORANGE WIRE NUT</p>
13. WIRE CONNECTOR, BLUE	EA	10	<p>FLAME RETARDANT THERMOPLASTIC SHELL  FOR MAKING BRANCH CIRCUIT WIRE OR FIXTURE WIRE CONNECTIONS  AWG RANGE: 22-14  WIRE COMBINATIONS: (3) #20 MIN AND (3) #16 MAX  A.K.A: BLUE WIRE NUT</p>
14. LEAK PREVENTATIVE COMPOUND, RADIATOR	EA	3	<p>MATERIAL: LIQUID OR SOLID  FOR SOLID: 20 GRAMS MINIMUM  FOR LIQUID: 6 OZ MINIMUM AND 14 OZ MAXIMUM  SHALL BE FURNISHED WITH USAGE INSTRUCTIONS  A.K.A: RADIATOR STOP LEAK OR ALUMASEAL RADIATOR SEALER  SHALL BE FURNISHED WITH MATERIAL SAFETY  DATA SHEET (MSDS)</p>
15. WIRE, ELECTRICAL, 16 AWG	SPOOL	1	<p>MATERIAL: COPPER CONDUCTOR WIRE WITHIN  AN INSULATING PLASTIC COMPOSITE SLEEVING  WIRE SIZE: 16 AWG  APPROXIMATE WIRE LENGTH: 100 FEET  APPROXIMATELY 19 CONDUCTORS OF 29 AWG WIRE WITHIN  SLEEVING TO GET A 16 AWG FLEXIBLE SHIELDED WIRE  VOLTAGE RATING: 600 VOLTS ROOT MEAN SQUARE  A.K.A: 16 AWG PRIMARY ELECTRICAL WIRE</p>
16. REPAIR KIT, PUNCTURE, PNEUMATIC TIRE	KT	1	<p>KIT CONSISTING OF THE FOLLOWING: 1 PISTOL TYPE  METAL TIRE PLUG INSERTER THAT WILL  BE CAPABLE OF INSERTING BOTH 7/16 INCH AND  3/8 INCH MUSHROOM SHAPED RUBBER PLUGS.  THERE SHALL BE TWO ADAPTERS THAT WILL  SCREW ONTO THE END OF THE INSERTER GUN  TO ENABLE TWO DIFFERENT SIZES OF REPAIRS.  KIT SHALL CONTAIN 25 3/8 INCH PLUGS AND  15 7/16 INCH PLUGS. PLUGS SHALL COME WITH  PLASTIC INSERTION TIPS TO AID IN THE INSERTION</p>

PROCESS OF THE RUBBER PLUG. COLOR OF  
 INSERTER GUN AND ADAPTERS SHALL BE BLACK.  
 INSERTER GUN SHALL BE PUT IN PLASTIC WATERPROOF  
 ZIPLOCK BAG TO PREVENT RUSTING  
 KIT SHALL INCLUDE 8 OZ MINIMUM OF  
 VULCANIZING CEMENT THAT HAS A RESEALABLE LID AND  
 SHALL BE FURNISHED WITH MATERIAL SAFETY  
 DATA SHEET (MSDS) KIT SHALL CONTAIN A PISTOL GRIP 2-STAGE  
 PROBE OF HARDENED BLACK PLASTIC, PISTOL-GRIP  
 HANDLE, BLACK OXIDE, HEAT-TREATED PROBE  
 APPROXIMATELY 3.25" IN LENGTH, 1<sup>ST</sup> STAGE 0.175"  
 DIA, 2<sup>ND</sup> STAGE 0.228" DIA, SUITABLE FOR APPLICATIONS  
 UP TO AND INCLUDING 8-PLY RATING.

17. BELTING, V, ADJUSTABLE LINK	EA	1	ADJUSTABLE AUTOMOTIVE TYPE V BELT CONTAINS LINKABLE PIECES TO MAKE ANY SIZE BELT WITHOUT ANY ADDITIONAL TOOLS SHALL INCLUDE INSTRUCTIONS FOR USE SHALL BE USEABLE ON US ARMY COMBAT MANEUVER EQUIPMENT & TACTICAL TRUCKS 8 FEET + OR – 3 INCHES	PN: 408030 CAGE: 76157 FENNER AMERICA INC 311 STIEGEL ST MANHEIM, PA 17545 717-665-2421
18. BELZONA SUPER E METAL PK (MANDATORY SOURCE)		4	2 PART BONDING/REBUILDING PUTTY CONTAINS: 1-83GRAM SUPER E METAL BASE PKG 1221 1-42 GRAM SUPER E METAL SOLIDIFIER PKG 1221 INSTRUCTIONS PROVIDED WITH/ON PACKAGES MUST INCLUDE MATERIEL DATA SAFETY SHEET (MSDS)	MANDATORY SOURCE BELZONA INC. SUPER E METAL CAGE: 67020 BELZONA INC. 2000 NW 88 <sup>TH</sup> CT MIAMI, FL 33172 305-594-4994
19. BELZONA ELASTOMER (MANDATORY SOURCE)	PK	4	2 PART BONDING/REBUILDING PUTTY CONTAINS: 1-37 GRAM ELASTOMER BASE PKG 2311 1-38 GRAM ELASTOMER SOLIDIFIER PKG 2311 INSTRUCTIONS PROVIDED WITH/ON PACKAGES MUST INCLUDE MSDS	MANDATORY SOURCE BELZONA INC. ELASTOMER CAGE: 67020 BELZONA INC. 2000 NW 88 <sup>TH</sup> CT MIAMI, FL 33172 305-594-4994

20. BELZONA CLEANER/DEGREASER CAN 1 (MANDATORY SOURCE)	1 PINT CAN OF BELZONA 9111 CLEANER INSTRUCTIONS WITH/ON CAN MUST INCLUDE MSDS	MANDATORY SOURCE BELZONA INC. CLEANER/DEGREASER CAGE: 67020 BELZONA INC. 2000 NW 88 <sup>TH</sup> CT MIAMI, FL 33172 305-594-4994
21. BELZONA CONDITIONER CAN 1 (MANDATORY SOURCE)	1 CAN, NT WEIGHT 125 GRAMS OF BELZONA 2911 ELASTOMER Q.D. CONDITIONER INSTRUCTIONS WITH/ON CAN MUST INCLUDE MSDS	MANDATORY SOURCE BELZONA INC. ELASTOMER Q.D. CONDITIONER CAGE: 67020 BELZONA INC. 2000 NW 88 <sup>TH</sup> CT MIAMI, FL 33172 305-594-4494
22. SPATULAS EA 3	2 TYPES QTY OF 3 TOTAL OF SPATULAS AS PROVIDED WITH BELZONA PRODUCTS POLYMERS (2 LARGE - P/N R17A, 1 SPREADER – P/N R16A)	



23. BATTERY CONNECTOR	EA	2	BATTERY CONNECTOR, HEAVY DUTY TERMINAL, FITS 1 TO 4/0 GAUGE CABLES, FITS POSITIVE OR NEGATIVE POST, BOLT LOCKS FIRMLY FROM LEFT TO RIGHT, SIDE STEEL INSERTS, AVOID STRIPPING UNIVERSAL-HOLDS CABLE OR STRAP, REMOVABLE PLATE FOR EASY ASSEMBLY, THREADED CLAMP AVOIDS PULL OUT – MATERIAL: LEAD ALLOY MAX LENGTH: 1.99, MAX WIDTH: 2.31, MAX HEIGHT: .85
24. GLOVES, LATEX, DISPOSABLE	PAIR	5	COMMON LATEX DISPOSABLE GLOVES, UNIVERSAL A.K.A: DISPOSABLE LATEX GLOVES
25. RESPIRATOR, AIR FILTERING	EA	5	WHITE DISPOSABLE FACE MASK FILTER MASK MATERIEL: FIBER MASK TYPE: HALF FACEPIECE SECURING MECHANISM: ELASTIC BAND SUITABLE FOR DUSTY ENVIRONMENTS A.K.A: DUST MASK
26. COMPONENTS LIST LABEL	EA	1	ONE LAMINATED COMPONENTS LIST LAMINATED TO BE WEATHER RESISTANT. COMPONENTS LIST SHALL CONTAIN ALL THE COMPONENTS OF THE BDAR KIT.
27. CABLE TIES, NYLON	EA	20	MATERIAL: UV NYLON COLOR: BLACK WIDTH: ¼ INCH MINIMUM AND ½ INCH MAXIMUM LENGTH: 14 INCHES NOMINAL SELF LOCKING AND WEATHER RESISTANT MINIMUM LOOP TENSILE: 120 LBS
28. WIRE CONNECTOR, YELLOW	EA	10	FLAME RETARDANT THERMOPLASTIC SHELL FOR MAKING BRANCH CIRCUIT WIRE OR FIXTURE WIRE CONNECTIONS AWG RANGE: 18-10 WIRE COMBINATIONS: (1) #14 W/(2) #18 MIN AND (1) #10 W/(2) #14MAX A.K.A: YELLOW WIRE NUT

29. CONTAINER, SMALL PARTS	EA	1	MATERIAL: PLASTIC/NYLON DESIGNED FOR: COMPARTMENTALIZED CONTAINER TO HOLD SMALL ITEMS LENGTH: 4-6 INCHES WIDTH: 2-6 INCHES HEIGHT: 1-3 INCHES COLOR: ANY ACCEPTABLE LOCKING DEVICE: ANY ACCEPTABLE	
30a. BELZONA METAL PLUG STICK	EA	2	2 TUBES OF 114 GRAMS OF BELZONA 1291 STICK 1 LENGTH 8 INCHES WIDTH: 1 INCH INSTRUCTIONS PROVIDE WITH/ON PACKAGE MUST INCLUDE MSDS (IF APPLICABLE)	BELZONA INC. CAGE: 67020 BELZONA INC. 2000 NW 88 <sup>TH</sup> CT MIAMI, FL 33172 305-594-4994
30b. PARTSMaster MEGA STICK	EA	2	2 STICKS OF 114 GRAMS OF PARTSMaster MEGA STICK PART NUMBER: 570-2-0000 LENGTH: 8 INCHES WIDTH: 1 INCH INSTRUCTIONS PROVIDE WITH/ON PACKAGE MUST INCLUDE MSDS (IF APPLICABLE)	PARTSMaster P.O. BOX 655326 DALLAS, TX 75065 CAGE: 3BUS5 800-527-9916

**NOTE: THE CREW KIT SHOULD ONLY CONTAIN EITHER 30a OR 30b, NOT BOTH.**

31. BELZONA RELEASING AGENT (MANDATORY SOURCE)	EA	1	1 CAN CONTAINING 100 GRAMS BELZONA 9411 RELEASE AGENT HEIGHT: APPROX 3 INCHES WIDTH: APPROX 2 ½ INCHES INSTRUCTIONS PROVIDE WITH/ON PACKAGE MUST INCLUDE MSDS	MANDATORY SOURCE BELZONA INC. CAGE: 67020 BELZONA INC. 2000 NW 88 <sup>TH</sup> CT MIAMI, FL 33172 305-594-4994
32. BELZONA REINFORCE TAPE (MANDATORY SOURCE)	EA	1	1 METER LONG OF MESH BELZONA 9341 REINFORCEMENT TAPE INSTRUCTIONS SHALL BE PROVIDED INSTRUCTIONS PROVIDE WITH/ON PACKAGE MUST INCLUDE MSDS (IF APPLICABLE)	MANDATORY SOURCE BELZONA INC. CAGE: 67020 BELZONA INC. 2000 NW 88 <sup>TH</sup> CT MIAMI, FL 33172 305-594-4994

33. TAPE, ALUMINUM	ROLL 1	MATERIAL: ALUMINUM OVERALL COLOR: SILVER OVERALL WATER RESISTANT MINIMUM TENSILE STRENGTH: 30 LBS/SQ IN. LENGTH: 60 YARDS MINIMUM TAPE WIDTH: 2 INCHES TAPE THICKNESS: .0050 INCHES NOMINAL TEMP RATING: -65 DEG G MINIMUM AND 300 DEG F MAX ADHESIVE LOCATION: ONE SIDE ADHESIVE TYPE: PRESSURE SENSITIVE CERTIFICATE OF CONFORMANCE	GSA: 7510-00-684-8803
34. CLOTH TAPE	ROLL 1	MATERIAL: POLYETHYLENE COATED CLOTH TAPE RUBBER BASED ADHESIVE USED FOR HIGH-STRENGTH AND MOISTURE RESISTANCE APPLICATIONS WIDTH: 2 INCHES NOMINAL LENGTH: 15 –20 YARDS COLOR: OLIVE DRAB (O.D. GREEN), SILVER-GRAY, BLACK ADHESIONS TO STEEL 40 OZ/IN. WIDTH TENSILE: <b>25</b> LBS/IN WIDTH MINIMUM TAPE THICKNESS: 8ml-15ml	
35. WIRE CONNECTOR, GRAY	EA 10	FLAME RETARDANT THERMOPLASTIC SHELL FOR MAKING BRANCH CIRCUIT WIRE OR FIXTURE WIRE CONNECTIONS AWG RANGE: 22-16 WIRE COMBINATIONS: (1) #20 W/(1) #22 MIN AND (2) #16 A.K.A: GRAY WIRE NUT	
36. BDAR TAGS	EA 5	DEPARTMENT OF DEFFENSE FORM (DD FORM 1577) UNSERVICEABLE (CONDEMNED) TAG – MATERIEL WITH STRING	
37. ANTISIEZE TAPE FLUORICARBON	ROLL 1	UNFUSED PLASTIC FILM MADE OF PTFE RESIN CHEMICALLY INERT AND CONFORMABLE. SEALS GAS UP TO 10,000 PSI. SEALS LIQUID UP TO 2,000 PSI. REF MIL SPEC T-27730 OR INDUSTRIAL NON-FLAMMABLE. WIDTH: ½ INCH NOMINAL. LENGTH: NO LESS THAN 20 FEET A.K.A. TEFLON TAPE.	

38. MINI UTILITY KNIFE	EA	1	<p>LENGTH: 2-3/4 TO 3 ½ INCHES LONG          FURNISHED WITH 2 BLADES MINIMUM          BLADE STORAGE IN HANDLE          BLADE RETRACTABLE INTO HANDLE          PUSH BUTTON/SLIDE ACTION TO CAUSE BLADE TO MOVE INTO          AND OUT OF (PLASTIC HANDLE IS ACCEPTABLE)          (SEE ILLUSTRATION BELOW)</p>
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39. MINI HACKSAW	EA	1	<p>LENGTH 10 TO 10 ½ INCHES LONG (WITH BLADE INSTALLED)          ACCOMODATES 10-INCH HACKSAW BLADES          PLASTIC HANDLE IS ACCEPTABLE          (SEE ILLUSTRATION BELOW FOR AN EXAMPLE)</p>
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40. HACKSAW BLADES	PK	10	<p>LENGTH 10 INCHES LONG          24 TEETH PER INCH          BI-METAL</p>
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41. STATIC DISCHARGE WRIST GND	EA	1	<p>STATIC DISCHARGE WRIST GROUND          ADJUSTABLE WRIST BAND          CORD LENGTH NOT LESS THAN 5 FEET          CLAMPING END STYLE: ALLIGATOR CLIP &amp; SNAP          DESIGNED TO GROUND MAINTENANCE PERSONNEL          TO WORK TO PREVENT UNWANTED STATIC DISCHARGE          USED FOR ELECTRICAL APPLICATIONS SUCH AS COMPUTERS          AND CIRCUIT BOARDS          MUST BE REUSEABLE          A.K.A: STATIC WRIST STRAP</p>
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42. ABRASIVE CLOTH	SHT	2	40 GRIT WITH DRILL CLOTH BACKING ALUMINUM OXIDE CLOTH, WITH HARD, SHARP ARTIFICIAL ABRASIVE FOR WOOD AND METAL WORKING DIMENSIONS: 9 INCHES BY 11 INCHES
43. ENVIRO PLUGS 2-INCH	EA	2	TAPER SURFACE PLUGS: DESIGNED TO STOP/PLUG A DRUM, FUEL CELL OR HYDRAULIC TANK LEAK UNTIL IT CAN BE PATCHED PERMANENTLY. ACCOMODATES 2 INCH HOLE SIZE RUBBER BASED MATERIAL WITH WING NUT TIGHTENING DEVICE TO SECURE PLUG INTO HOLE OR ON HOLE SURFACE AND ALLOW TIGHTENING TO FORM SEAL RUBBER BASED MATERIAL SHOULD BE RESISTANT TO PETROLEUM, HYDRAULIC, AND DIESEL FLUIDS. PLUG SHOULD HOLD FOR A MINIMUM OF 3 HOURS - SCREW LENGTH = 4-INCH NOMINAL AND SPAN OF TOGGLE NUT = APPROXIMATELY 2 1/8 INCH FULLY OPEN (SEE ILLUSTRATION BELOW)



TAPER SURFACE PLUGS: DESIGNED TO STOP/PLUG A DRUM, FUEL CELL OR HYDRAULIC TANK LEAK UNTIL IT CAN BE PATCHED PERMANENTLY. ACCOMODATES 4 INCH HOLE SIZE RUBBER BASED MATERIAL WITH WING NUT TIGHTENING DEVICE TO EXPAND TO APPROXIMATELY 3 INCHES TO SECURE PLUG INTO HOLE OR ON HOLE SURFACE AND ALLOW TIGHTENING TO FORM SEAL, RUBBER BASED MATERIAL SHOULD BE RESISTANT TO PETROLIUM, HYDRAULIC, AND DIESEL FLUIDS. PLUG SHOULD HOLD FOR A MINIMUM OF 3 HOURS SCREW LENGTH = 4-INCH NOMINAL AND SPAN OF TOGGLE NUT = APPROXIMATELY 3 3/4 INCH FULLY OPEN (SEE ILLUSTRATION BELOW)



NOTES:

1. THIS COMPONENTS LIST (TRI001CL) IS TO BE UTILIZED WITH DESCRIPTION FOR PURCHASE TRI001 (DFP-TRI001) FOR A KIT, BATTLE DAMAGE ASSESSMENT & REPAIR (BDAR), CREW.
2. BOTH THIS COMPONENTS LIST DOCUMENT AND DFP-TRI001 WERE DEVELOPED BY CAGE 19207. ADDRESS IS:

U.S. TANK-AUTOMOTIVE AND ARMAMENTS COMMAND  
ROCK ISLAND ARSENAL SITE  
ATTN: AMSTA-LC-CTT  
ROCK ISLAND, IL 61299-7630  
(309) 782-6066  
(309) 782-5107  
(309) 782-4765

