

U.S. Army Tank-automotive and Armaments Command

Warren, Michigan 48397-5000

TECHNICAL DATA PACKAGE	12277040	19207
DOCUMENT NUMBER		
TDP DATE	1/21/2004	
SPECIFICATION		
NATIONAL STOCK NUMBER	- -	
NOMENCLATURE	CABLE ASSEMBLY, FRONT HARNESS	

1. MANUFACTURE AND ACCEPTANCE INSPECTION OF THE ABOVE MATERIAL SHALL BE IN ACCORDANCE WITH ALL DRAWINGS, SPECIFICATIONS AND OTHER TECHNICAL DATA LISTED IN THIS TDP.

2. THIS TDP IS COMPRISED OF THE FOLLOWING SECTIONS WHICH SHOW PRODUCT STRUCTURE AND LIST THE DRAWINGS AND ASSOCIATED DOCUMENTS (WITH THEIR REVISION AND AMENDMENT LEVELS) REQUIRED TO PRODUCE, PACKAGE AND INSPECT THE MATERIAL BEING PRODUCED.

- PRODUCT STRUCTURE
- PRODUCT DRAWINGS
- QUALITY ASSURANCE DOCUMENTS
- PACKAGING DOCUMENTS
- APPLICABLE SPECIFICATIONS AND STANDARDS
- REPLACED SPECIFICATIONS AND STANDARDS
- APPROVED ENGINEERING CHANGES OUTSTANDING

3. THE SPECIFICATIONS AND STANDARDS SECTION OF THE TDP IS A COMPILATION OF ALL SPECIFICATIONS AND STANDARDS WHICH ARE ESSENTIAL FOR BIDDING AND MANUFACTURING PURPOSES. THE ABSENCE OF ANY SPECIFICATION OR STANDARD FROM THE LISTING WHICH IS OTHERWISE REFERRED TO IN ANY SPECIFICATION OR STANDARD LISTED THEREIN OR IS CALLED OUT ON A PRODUCT, PACKAGING OR INSPECTION DRAWING IS NOT TO BE CONSTRUED AS CONSTITUTING RELIEF FROM REQUIREMENTS OF THE SPECIFICATIONS. THE AMENDMENT OR REVISION LEVEL FOR SUCH UNLISTED SPECIFICATIONS AND STANDARDS SHALL BE AS SPECIFIED IN THE LATEST ISSUE OF DOD INDEX OF SPECIFICATIONS AND STANDARDS IN EFFECT AS OF THE DATE OF THIS TDP. SUPERSEDED SPECIFICATIONS AND STANDARDS WHICH MAY BE REFERENCED ON DRAWINGS ARE LISTED TOGETHER WITH THE APPROPRIATE SUPERSEDING SPECIFICATION OR STANDARD. WHEN INTERIM CHANGES TO SPECIFICATIONS AND STANDARDS ARE ISSUED (AMENDMENTS, NOTICES OR CHANGE NOTICES), ONLY THE LATEST ISSUE IS LISTED IN THE TDP. WHERE THESE INTERIM CHANGES ARE NOT CUMULATIVE, ALL PREVIOUS ISSUES ALSO APPLY, UNLESS THE DOCUMENT ITSELF STATES OTHERWISE

PRODUCT STRUCTURE

LEVEL	PART NUMBER	CAGE	NOMENCLATURE
0-----	12277040	19207	CABLE ASSEMBLY, FRONT HARNESS
1-----	M13486/1-5	81349	CABLE, SPECIAL PURPOSE, ELECTRICAL, LOW T
1-----	M43436/1-1	81349	BAND MARKER, BLANK, SINGLE CRIMP STYLE B
	SUB: M43436/3-1	81349	SUBSTITUTE PART FOR: M43436/1-1
1-----	8338561	19207	SHELL, MALE SINGLE
1-----	8338562	19207	SLEEVE
1-----	8338564	19207	TERMINAL ASSY, CRIMPED FEMALE
	ALT: 7982997	19207	ALTERNATE PART FOR: 8338564
2-----	7060816	19207	SLEEVE, CRIMP

2-----7060818	19207	TERMINAL, CRIMPED FEMALE
2-----7762687	19207	SPRING, CONNECTOR, SOCKET
1-----8338566	19207	SHELL, SINGLE FEMALE
1-----8722729-1B	19207	PARA 1B
1-----8722729-2	19207	PARA 2
1-----8722729-4	19207	SECTION 4
1-----8338567	19207	WASHER, TERMINAL RETAINING
1-----7722322	19207	GROMMET, ELECTRICAL CONN
2-----8724206	19207	MATERIAL SPEC FOR RUBBER COMPONENTS OF EL
1-----7722353	19207	RECEPTACLE ASSEMBLY
2-----7716521	19207	CONTACT, PIN SIZE 12
2-----8701329	19207	SHELL, WALL TYPE (SIZE 22)
2-----7723474	19207	INSERT, PIN SIZE 22
3-----8724206	19207	MATERIAL SPEC FOR RUBBER COMPONENTS OF EL
1-----7723308	19207	NUT, GROMMET RETAINING, (SIZE 22)
1-----8722729-3A	19207	SECTION 3A
1-----MS27148-2	96906	CONTACT, PIN, ELECTRICAL CONNECTOR

PRODUCT DRAWINGS

DOC	TYPE	PART NUMBER	CAGE	SHT	REV	NOTE	CONTENT FILES
DI	10911317	19207	1	H	REF		01.C4
DP	12277040	19207	1	D			02.V02 03.C4 04.C4 05.IGS
DP	7060816	19207	1	H			06.C4 07.U1
DP	7060818	19207	1	F			08.C4
DP	7716521	19207	1	U			09.C4
DP	7716780	19207	1	G			10.C4 11.DWG 12.DXF
DP	7722322	19207	1	K			13.C4 14.IGS 15.U1
DP	7723308	19207	1	K			16.C4 17.DWG 18.DXF
DP	7723474	19207	1	C			19.C4
DP	7762687	19207	1	N			20.C4
DI	7982736	19207	1	P	REF		21.U1 22.IGS 23.C4
DI	7982736	19207	2	P	REF		24.C4
DP	7982997	19207	1	H			25.C4
DP	8338561	19207	1	L			26.C4
DP	8338562	19207	1	K			27.C4
DP	8338564	19207	1	G			28.C4 29.IGS
DP	8338566	19207	1	L			30.C4 31.DXF 32.DWG
DP	8338567	19207	1	N			33.C4
DP	8701329	19207	1	D			34.C4 35.DWG 36.DXF
DI	8722729	19207	1	V			37.C4 38.IGS 39.U1
DP	8724206	19207	1	R			40.DXF 41.DWG 42.C4
DP	8724762	19207	1	E	REF		43.C4

REF - REFERENCE DRAWING.

QUALITY ASSURANCE DOCUMENTS

DOC	TYPE	PART NUMBER	CAGE	SHT	REV	CONTENT FILES
QS	12277040	19207	1	A		44.C4
QS	12277040	19207	2	A		45.C4
QS	12277040	19207	3	A		46.C4
QS	7716780	19207	1	D		47.C4

QS 7716780	19207	2	D	48.C4
QS 7722353	19207	1	D	49.C4
QS 7722353	19207	2	D	50.C4

NO PACKAGING DOCUMENTS

APPLICABLE SPECIFICATIONS AND STANDARDS

QPL	DOCUMENT NUMBER	REV	AMD	CHG	SUPPL	DOCUMENT SYM NO.	NO.	NO.	DATE	DOCUMENT TITLE
	A-A-52536								11/20/95	CONTACT, ELECTRICAL NO. 12, 14,
	AMS-4290	J							03/01/96	ALUMINUM ALLOY, DIE CASTINGS 9.5
	AMS-4291	F							03/01/96	ALUMINUM ALLOY, DIE CASTINGS 8.5
	AMS-QQ-A-225	A							07/01/98	ALUMINUM AND ALUMINUM ALLOY, BAR
	ANSI-J-STD-006	A							01/01/01	ELECTRONIC GRADE SOLDER ALLOYS &
	ASME-Y14.100								11/23/01	ENGINEERING DRAWING PRACTICES
	ASME-Y14.24								01/01/99	TYPES AND APPLICATIONS OF ENGINE
	ASME-Y14.34M								01/01/96	ASSOCIATED LISTS
	ASME-Y14.35M								12/08/97	REVISION OF ENGINEERING DRAWINGS
	ASME-Y14.5M								01/01/94	DIMENSIONING AND TOLERANCING
	ASTM-B103/B103M								01/01/98	PHOSPHOR BRONZE PLATE, SHEET, ST
	ASTM-B108								01/01/99	ALUMINUM-ALLOY PERMANENT MOLD CA
	ASTM-B121/B121M								01/01/95	LEADED BRASS PLATE, SHEET, STRIP
	ASTM-B135								01/01/00	SEAMLESS BRASS TUBE
	ASTM-B187								01/01/00	COPPER BAR, BUS BAR, ROD, AND SH
	ASTM-B194								01/01/96	COPPER-BERYLLIUM ALLOY PLATE, SH
	ASTM-B211								01/01/00	ALUMINUM AND ALUMINUM-ALLOY BAR,
	ASTM-B221								01/01/00	ALUMINUM AND ALUMINUM-ALLOY EXTR
	ASTM-B241/B241M								01/01/00	ALUMINUM AND ALUMINUM-ALLOY SEAM
	ASTM-B26/B26M								01/01/01	ALUMINUM-ALLOY SAND CASTINGS
	ASTM-B301/B301M								01/01/99	FREE-CUTTING COPPER ROD AND BAR
	ASTM-B308/B308M								01/01/00	ALUMINUM-ALLOY 6061-T6 STANDARD
	ASTM-B36/B36M								01/01/01	BRASS PLATE, SHEET, STRIP, AND R
	ASTM-B700								01/01/97	ELECTRODEPOSITED COATINGS OF SIL
	ASTM-B85								01/01/99	ALUMINUM-ALLOY DIE CASTINGS
	ASTM-D1149								01/01/99	RUBBER DETERIORATION-SURFACE OZO
	ASTM-D2000								01/01/01	RUBBER PRODUCTS IN AUTOMOTIVE AP
	ASTM-D4066								01/01/01	NYLON INJECTION AND EXTRUSION MA
	ASTM-D412								01/01/98	VULCANIZED RUBBER AND THERMOPLAS
	ASTM-D5948								01/01/96	MOLDING COMPOUNDS, THERMOSETTING
	ASTM-G21								01/01/96	DETERMINING RESISTANCE OF SYNTHE
	MIL-B-43436	C					2		08/24/98	BAND, MARKER, BLANK
	MIL-B-43436/1							2	08/24/98	BAND MARKER, BLANK, SINGLE CRIMP
	MIL-B-43436/3							2	08/24/98	BAND MARKER, BLANK, THREE PRONG
Q	MIL-C-11796	C							11/04/86	CORROSION PREVENTIVE COMPOUND, P
Q	MIL-DTL-13486	D							09/04/00	CABLES, SPECIAL PURPOSE, ELECTRI
	MIL-DTL-13486/1	C							09/04/00	CABLE, SPECIAL PURPOSE, ELECTRIC
	MIL-HDBK-454	A							11/03/00	GENERAL GUIDELINES FOR ELECTRONI
Q	MIL-I-631	D					6		06/02/87	INSULATION, ELECTRICAL, SYNTHETI
Q	MIL-PRF-23827	C							09/28/98	GREASE, AIRCRAFT AND INSTRUMENT,
	MIL-STD-130	K							01/15/00	IDENTIFICATION MARKING OF U.S. M
	MIL-STD-171	E							06/23/89	FINISHING OF METAL AND WOOD SURF
	MIL-STD-202	G							02/08/02	TEST METHODS FOR ELECTRONIC AND
	SAE-AMS-QQ-A-200								09/01/98	ALUMINUM ALLOY 6061, BAR, ROD, S

SAE-AMS-QQ-A-225				06/30/98	ALUMINUM AND ALUMINUM ALLOY, BAR
SAE-AMS-QQ-P-416	A			02/01/02	PLATING, CADMIUM (ELECTRODEPOSIT
SAE-J163				12/01/01	LOW TENSION WIRING AND CABLE TER
SAE-J200				01/01/00	CLASSIFICATION SYSTEM FOR RUBBER
SAE-J452				01/01/89	CHEMICAL COMPOSITIONS, MECHANICA
SAE-J561				06/01/93	ELECTRICAL TERMINALS - EYELET AN
VV-P-236	A	2	2	04/19/01	PETROLATUM, TECHNICAL
WW-T-700	F	1	1	04/19/01	TUBE, ALUMINUM ALLOY, DRAWN, SEA
WW-T-700/6	F	2	1	04/19/01	TUBE, ALUMINUM ALLOY, DRAWN, SEA

* - NOT FURNISHED - TO BE OBTAINED FROM STANDARDIZATION DOCUMENTS ORDER DESK, BLD PHILADELPHIA, PA 19111-5094 - IF NOT AVAILABLE, IMMEDIATELY ADVISE THE PROCUR

** - NOT FURNISHED - COMMERCIAL SPECIFICATIONS AND STANDARDS MAY BE OBTAINED FROM THEY ARE NOT AVAILABLE FROM GOVERNMENT SOURCES.

Q - THE LETTER (Q) BEFORE THE SPECIFICATION NUMBER INDICATES THAT A QUALIFIED PRO IS REQUIRED. THE NUMBER OF THE QPL IS THE SAME AS THE NUMBER OF THE SPECIFIC

NOTICE: UNLESS OTHERWISE NOTED, ALL MIL-STD'S ARE USED FOR REFERENCE ONLY OR HAVE BE (I/M = INTERFACE PRACTICE / USE OF STD IS MANDATORY)

REPLACED SPECIFICATIONS AND STANDARDS

DOC NUMBER	REPLACEMENT INFORMATION
A-A-52416	REPLACED BY SAE-J561 AND SAE-J163
ANSI-Y14.5	REPLACED BY ASME-Y14.5M
ANSI-Y14.5M	REPLACED BY ASME-Y14.5M
ASTM-B103	REPLACED BY ASTM-B103/B103M
ASTM-B121	REPLACED BY ASTM-B121/B121M
ASTM-B241	REPLACED BY ASTM-B241/B241M
ASTM-B26	REPLACED BY ASTM-B26/B26M
ASTM-B301	REPLACED BY ASTM-B301/B301M
ASTM-B308	REPLACED BY ASTM-B308/B308M
ASTM-B36	REPLACED BY ASTM-B36/B36M
DOD-STD-00100	REWRITTEN AS MIL-STD-100
DOD-STD-100	REWRITTEN AS MIL-STD-100
MIL-C-13486	REWRITTEN AS MIL-DTL-13486
MIL-C-13486/1	REWRITTEN AS MIL-DTL-13486/1
MIL-F-13927	REPLACED BY ASTM-G21
MIL-G-23827	REWRITTEN AS MIL-PRF-23827
MIL-M-14	REPLACED BY ASTM-D5948
MIL-R-3065	REPLACED BY ASTM-D2000
MIL-STD-100	REPLACED BY ASME-Y14.100, ASME-Y14.24, ASME-Y14.35M, AND ASME-14
MIL-STD-190	CANCELED WITHOUT REPLACEMENT
MIL-STD-454	REPLACED BY MIL-HDBK-454
MS27148	REPLACED BY A-A-52536
QQ-A-200	REPLACED BY ASTM-B241, ASTM-B221, ASTM-B308 AND SAE-AMS-QQ-A-200
QQ-A-200/3	REPLACED BY ASTM-B241, ASTM-B221
QQ-A-200/8	REPLACED BY SAE AMS-QQ-A-200, ASTM B221, ASTM B308
QQ-A-225	REPLACED BY SAE AMS-QQ-A-225, ASTM B211
QQ-A-225/5	REPLACED BY SAE-AMS-QQ-A-225 AND ASTM-B211
QQ-A-225/6	REPLACED BY SAE-AMS-QQ-A-225 AND ASTM-B211
QQ-A-225/8	REPLACED BY SAE-AMS-QQ-A-225 AND ASTM-B211
QQ-A-591	REPLACED BY ASTM B85, B26, B108, AMS 4290, 4291, SAE J452
QQ-B-613	REPLACED BY ASTM-B36 AND ASTM-B121
QQ-P-416	REPLACED BY SAE-AMS-QQ-P-416
QQ-S-365	REPLACED BY ASTM-B700

NO APPROVED ENGINEERING CHANGES OUTSTANDING

***** END OF TDPL *****