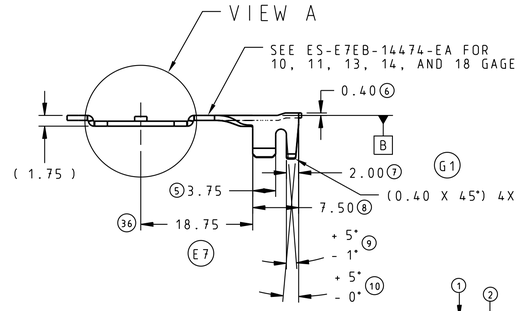
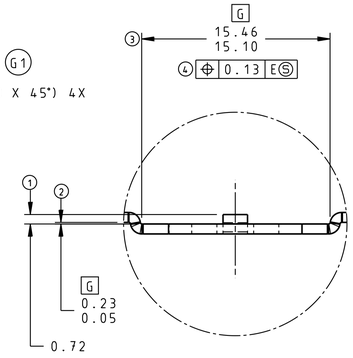
TERMINAL INFORMATION																
Ford Part No	Supplier Part No	Description	TRC(s)	Greased Y/N	Base Material	Plating Material	Plating Thickness	Copper Weight	Total Weight	Material Thickness	Material Hardness	Max Ambient Temperature	Conductor Min/Max CSA	Insulation Min/Max OD	Vibration Class
2F1T-14463-CA	880928-B48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.75	0.813±0.025		145°C	2.82/6.27	4.8/7.4	
2F1T-14463-AA	881028-B48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.74	0.813±0.025		145°C	2.25/4.98	3.10/4.45	
1F1T-14463-BA	881128-B48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.72	0.813±0.025		145°C	2.08/4.64	4.2/5.8	
3L8T-14463-CA	881328-B48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.52	0.813±0.025		145°C	1.42/3.65	3.4/4.3	
1F1T-14463-CA	881428-B48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.52	0.813±0.025		145°C	0.89/1.97	2.15/3.0	
2F1T-14463-BA	881828-B48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.41	0.813±0.025		145°C	0.39/0.85	1.6/2.1	
8L8T-14463-BA	881828-Y48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.47	0.813±0.025		145°C	0.39/0.85	1.6/2.1	
HU5T-14463-JA	880928-Y48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.75	0.813±0.025		145°C	2.82/6.27	4.8/7.4	
HU5T-14463-HA	881028-Y48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.74	0.813±0.025		145°C	2.25/4.98	3.10/4.45	
HU5T-14463-GA	881128-Y48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.72	0.813±0.025		145°C	2.08/4.64	4.2/5.8	
HU5T-14463-KA	881328-Y48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.52	0.813±0.025		145°C	1.42/3.65	3.4/4.3	
HU5T-14463-FA	881428-Y48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.52	0.813±0.025		145°C	0.89/1.97	2.15/3.0	

TERMINAL CRIMP & GRIP REFERENCE TABLE										
FORD PART NO.	Lear Part Number	WIRE TYPE / SPECIFICATION (Design Intent)	WIRE SIZE	Metric (mm2)	Strip Length (mm)	Conductor Crimp Info C.C.W. (MM) (±0.10)	Conductor Crimp Info C.C.H. (MM) (±0.05)	Insulation Crimp Info I.C.W. (MM) (±0.10)	Insulation Crimp Info I.C.H. (MM) (±0.10)	Applicable Wire Seals FORD PART NUMBER	NOTES/ VALIDATION SOURCE
2F1T-14463-CA	880928-B48	ESB-M1L120-A OR ESB-M1L123-A OR ES-AU5T-1A348-A	12+18			5.05	3.15	8.00	3.90	NA	
2F1T-14463-AA	881028-B48		10			4.80	3.40	5.40	4.95	NA	
2F1T-14463-AA	881028-B48		12			4.85	3.25	5.40	4.40	NA	
1F1T-14463-BA	881128-B48		14+14			4.60	3.15	6.20	4.40	NA	
1F1T-14463-BA	881128-B48		12+20			4.60	2.95	6.20	4.40	NA	
1F1T-14463-BA	881128-B48		14+16			4.60	3.05	6.20	4.25	NA	
3L8T-14463-CA	881328-B48		16+18			4.10	2.50	6.00	3.50	NA	
1F1T-14463-CA	881428-B48		14			4.10	2.75	4.30	3.80	NA	
2F1T-14463-BA	881828-B48		18			3.75	2.30	3.40	2.80	NA	
3L8T-14463-CA	881328-B48		20+20			3.85	2.50	6.00	2.95	NA	
8L8T-14463-BA	881828-Y48		18			3.75	2.30	3.40	2.80	NA	
HU5T-14463-JA	880928-Y48		12+16	1.5+4.0, 6.0		5.05	3.05	8.00	4.25	NA	
HU5T-14463-HA	881028-Y48		12	4.0		4.85	3.25	5.40	4.40	NA	
HU5T-14463-GA	881128-Y48		14+14	2.5+1.5		4.60	3.15	6.20	4.40	NA	
HU5T-14463-KA	881328-Y48		16+18	2.5, 1.5+1.0		4.10	2.60	6.00	3.50	NA	
HU5T-14463-FA	881428-Y48		14	1.5		4.10	2.75	4.30	3.80	NA	

(H2)
(H1)

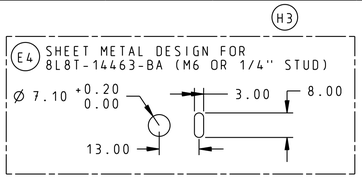
Isometric view
Scale: 1:1

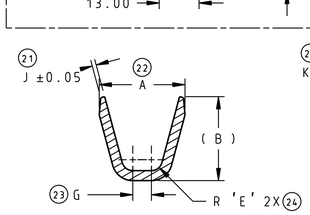




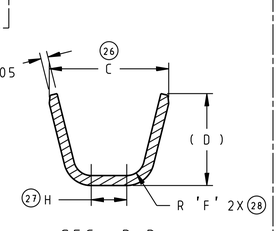
VIEW A
SCALE: 4:1

(H3)



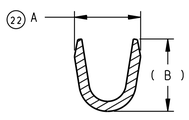


SEC. A-A
SCALE: 4:1
GRIP TYPE II

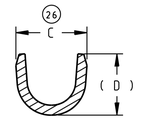


SEC. B-B
SCALE: 4:1
GRIP TYPE II

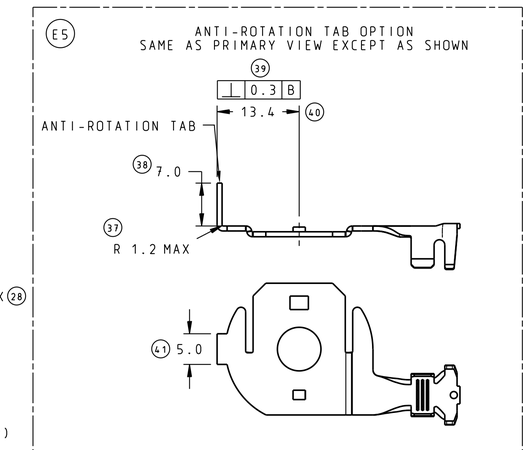
(29) FLAT BLANK = 15.50 (9 GA. ONLY) (30) FLAT BLANK = 17.02 (9 GA. ONLY)

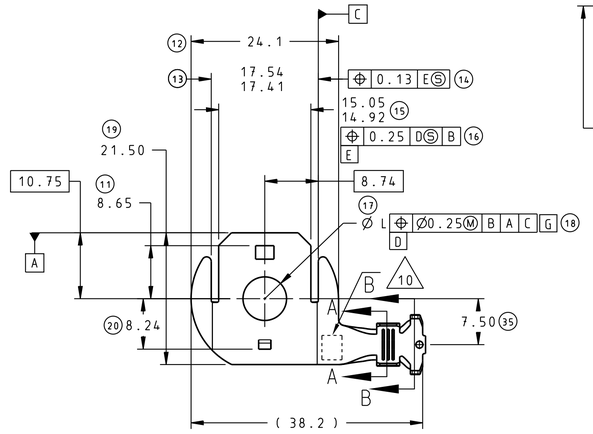


SEC. A-A
SCALE: 4:1
GRIP TYPE I



SEC. B-B
SCALE: 4:1
GRIP TYPE I





NOTES: UNLESS OTHERIWSE SPECIFIED
1. PART MUST CONFORM TO THE ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) REV., 6.6, DATED 3/12/99
2. PART MUST CONFORM TO ES-F8DB-14A464-AA (TESTS 5.2.2, 6.4.3, 6.4.4, 6.6.4, 6.6.1, 6.6.2, 6.3.4, 6.3.3)
   TESTS PERFORMED:
   (E2) 5.2.2 - BEND RESISTANCE, SEC. 6.2.2
   6.4.3 - ENGAGE/DISENGAGE AND TORQUE ENGAGE/DISENGAGE
   6.4.4 - VIBRATION
   6.6.4 - SALT FOG RESISTANCE
   6.6.1 - THERMAL SHOCK
   6.6.2 - TEMPERATURE/HUMIDITY CYCLING
   6.3.4 - 1008 HOUR CURRENT CYCLING
   6.3.3 - MAXIMUM CURRENT RATING
(E9) (33) 3. CRIMP DEVELOPMENT PER ES-3F2T-14474-AB
   MATERIAL: UNS-C194000
   THICKNESS: 0.813±0.025
   HARDNESS: FULL HARD (REF)
   TENSILE: 60,000 70,000 PSI
   (34) FINISH: WSB-M1P11-B PRE-TIN PLATE EXCEPT THK. IS 3.8/8.9 MICROMETERS
4. FORD MOTOR COMPANY APPROVAL REQUIRED FOR ALL SOURCING AND TOOLING OF THIS PART
(E6) 5. FOR ENGINEERING APPROVED SOURCE SEE ENGINEERING RELEASE
6. ENGINEERING APPROVAL OF SAMPLE FROM EACH SUPPLIER IS REQUIRED PRIOR TO AUTHORIZATION OF PART PRODUCTION
7. CHANGES IN DESIGN COMPOSITION OR PROCESSING FROM THE PART PREVIOUSLY APPROVED FOR PART PRODUCTION REQUIRES PRIOR ENGINEERING APPROVAL
8. GENERAL TOLERANCES: ±0.3 ALL ONE PLACE, ±0.15 ALL TWO PLACE
   DIMENSIONS, ±3° ALL ANGULAR DIMENSIONS
(31) 9. 0.25 MAXIMUM RADIUS PERMISSIBLE ON EDGES AND FILLETS SHOWN SHARP
(32) 10. SOURCE IDENTIFICATION MARK, GRIP CODE AND PRODUCTION DATE CODE MUST BE PERMANENTLY APPLIED ON THE PART WITH 1.0 LETTER SIZE FROM THE BOTTOM TO THE TOP OF THE CHARACTER AND LEGIBLE WHEREVER PACKAGE SIZE PERMITS OR OTHER AGREEMENTS ARE MADE
11. DRAWING CONFORMS TO AVP-(T401/T486)-001 REV. A 16/FEB/99
12. [G] DENOTES GAGE DESIGN. GAGE DESIGNS MUST HAVE SIGNED ENGINEERING APPROVAL PRIOR TO CONSTRUCTION AND WILL BE A CONDITION OF FINAL PART APPROVAL
13. PARTS MUST MATE WITH 1F1T-14462-**, 2F1T-14462-**, OR 3L8T-14462-**

FORD P/N	LEAR P/N	ANTIROTATION TAB	GRIP TYPE	GRIP CODE	Ø"L"	"K"	"J"	"H"	"G"	"F"	"E"	"D"	"C"	"B"	"A"
HU5T-14463-KA	881328-Y48	YES	II	13	7.11	---	---	---	---	---	---	5.8	6.9	5.2	5.2
HU5T-14463-JA	880928-Y48	YES	II	9	7.11	0.49	0.33	2.9	1.5	1.8	0.9	6.6	9.4	6.9	7.0
HU5T-14463-FA	881428-Y48	YES	I	14	7.11	---	---	---	---	---	---	5.0	5.8	5.9	5.4
HU5T-14463-GA	881128-Y48	YES	II	11	7.11	---	---	---	---	---	---	6.8	8.1	6.4	6.4
HU5T-14463-HA	881028-Y48	YES	I	10	7.11	---	---	---	---	---	---	7.0	7.4	7.5	6.4
8L8T-14463-BA	881828-Y48	YES	I	18	7.11	---	---	---	---	---	---	4.2	5.0	5.0	4.5
3L8T-14463-CA	881328-B48	NO	II	13	7.11	---	---	---	---	---	---	5.8	6.9	5.2	5.2
2F1T-14463-CA	880928-B48	NO	II	9	7.11	0.49	0.33	2.9	1.5	1.8	0.9	6.6	9.4	6.9	7.0
2F1T-14463-BA	881828-B48	NO	I	18	7.11	---	---	---	---	---	---	4.2	5.0	5.0	4.5
1F1T-14463-CA	881428-B48	NO	I	14	7.11	---	---	---	---	---	---	5.0	5.8	5.9	5.4
1F1T-14463-BA	881128-B48	NO	II	11	7.11	--	---	---	---	---	---	6.8	8.1	6.4	6.4
2F1T-14463-AA	881028-B48	NO	I	10	7.11	--	---	---	---	---	---	7.0	7.4	7.5	6.4

APPROVED
By MICHAEL PORTER at 10:28 am, Jan 18, 2022

LTRS	REVISIONS			
ORIGINATOR	CHECKER	ENGR APP	MATL APP	
A1 RELEASE 1F1T-14463-BA AND 1F1T-14463-CA FOR PRODUCTION NB00-I-11090137-000 (RD) 2000/10/26				
M.PORTER	D.KULKARNI	MING LI	XXX	
B1 ADDED (12+20) 1F1T-14463-BA B2 RELEASE (12+18) 2F1T-14463-CA FOR PRODUCTION B3 RELEASE (10) 2F1T-14463-AA FOR PRODUCTION B4 RELEASE (12) 2F1T-14463-AA FOR PRODUCTION B5 RELEASE (18) 2F1T-14463-BA FOR PRODUCTION NB00-E-11241314-000 (DQ) 2001/09/13				
M.PORTER	M.PORTER	T.HURST	XXX	
C1 REVISED NOTE #13 C2 RELEASE (14+16) FOR 1F1T-14463-BA C3 RELEASE (16+18) 3L8T-14463-CA FOR PRODUCTION C4 ADD DIM. L (CHARTED HOLE SIZE) C5 ADDED ES-E7EB-14474-EA LEADER C6 REVISED NOTE #2 C7 REVISED MAT'L THICKNESS ML00-I-11191417-046 (IR) 2003/01/31				
M.PORTER	M.BOROWSKI	J.HULING	XXX	
D1 RELEASED (20+20) FOR 3L8T-14463-CA ML00-I-11543180-035 (RD)				
M.PORTER	M.LIM	R.ERSKINE	XXX	
E1 RELEASED 8L8T-14463-BA E2 ADDED TEST NUMBERS TO NOTE #2 E3 ADDED ASSEMBLY VIEWS E4 ADDED SHEET METAL DESIGN E5 ADDED VIEW OF ANTI-ROTATION TAB E6 FORD MOTOR COMPANY WAS ENGINEER E7 18.75 WAS 18.61 REF E8 UPDATED TO NEW FORD TITLE BLOCK E9 REVISED NOTE #3 AELE-E-11793537-007 (DQ)				
M.PORTER	M.LIM	T.HURST	XXX	
F1 RELEASED HU5T-14463-FA F2 RELEASED HU5T-14463-GA F3 RELEASED HU5T-14463-HA F4 RELEASED HU5T-14463-JA F5 RELEASED HU5T-14463-KA AELE-E-11793537-054 2015/07/20				
M.PORTER	L.GALLIGAN	T.HURST	XXX	
G1 (0.40 X 45°) WAS 0.40 X 45° AELE-E-11793537-292 2021/10/13				
S.RAHMAN	G.BIDDINGER	T.HURST	XXX	
H1 REMOVED WIRE SIZE 1.5+4.0 FROM HU5T-14463-GA H2 ADDED WIRE SIZE 1.5+4.0 TO HU5T-14463-JA H3 ADDED OPTIONAL WIRE SPECIFICATION ES-AU5T-1A348-A AELE-E-11793537-293 2021/11/10				
S.RAHMAN	G.BIDDINGER	T.HURST	XXX	

LEAR CORPORATION

LEAR CORPORATION AUTOMOTIVE SYSTEMS
+1-248-447-1500
21557 TELEGRAPH ROAD
SOUTHFIELD, MI 48033

ENG APP	THURST	APP DATE	20210726
GSDB CODE	SUPPLIER PART NUMBER CHARTED		

REFERENCE M6 SONIC WELD EYELET TERMINAL

MUST CONFORM TO: RESTRICTED SUBSTANCE MANAGEMENT STANDARD WSS-M99P9999-A1 TO SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT

DRAFTED IN ACCORDANCE WITH FORD MOTOR COMPANY ENGINEERING CAD AND DRAFTING STANDARDS VERSION 30

3RD ANGLE PROJ - DIMENSIONS ARE IN MILLIMETERS

CAD TYPE	CAD LOC.	CAD FILE	DTMC IS MASTER
K-CATIA5	TCe	1F1T-14463-BA-H_DR01.CATDrawing	

PLANT CODE	LINE CODE	OPER. NO.	BT. NO.	STATION	SIZE
N/A	N/A	N/A	N/A	N/A	N/A

PLANT NAME	DEPT. NO.	DESIGN	SCALE	SHT 1
N/A	5251	S.RAHMAN	2:1	OF 1

HU5T-14463-KA	
HU5T-14463-JA	
(F) HU5T-14463-FA	
HU5T-14463-GA	
HU5T-14463-HA	
(E1) 8L8T-14463-BA	
3L8T-14463-CA	
2F1T-14463-CA	
2F1T-14463-BA	
1F1T-14463-CA	
2F1T-14463-AA	

TITLE/PART NAME: TRMNL-EYLT TYP LEFT HAND

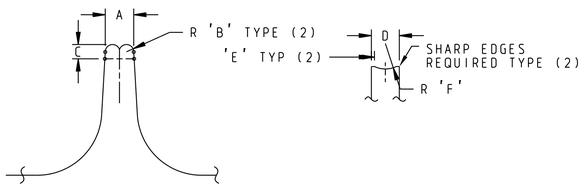
DRAWING/PART NO.: 1F1T-14463-BA N/A

FORD MOTOR COMPANY

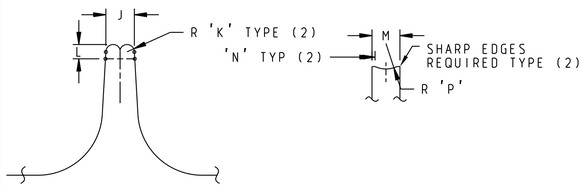
TERMINAL CRIMP TOOLING REFERENCE TABLE (For Reference Only)

WIRE SIZE	FORD PART NO.	Lear Part Number	Conductor Crimp Tooling Reference Dimensions						Insulation Crimp Tooling Reference Dimensions					
			A (mm.) (±0.025)	B (mm.) (±0.025)	C (mm.) (ref)	D (mm.) (±0.025)	E (mm.) (ref)	F (mm.) (±0.05)	J (mm.) (±0.025)	K (mm.) (±0.025)	L (mm.) (ref)	M (mm.) (±0.025)	N (mm.) (ref)	P (mm.) (±0.05)
12•18	2F1T-14463-CA	880928-B48	4.85	1.30	3.09	4.97	0.53	4.54	8.00	2.15	3.69	7.91	0.79	7.19
10	2F1T-14463-AA	881028-B48	4.65	1.25	2.90	4.77	0.52	4.36	5.20	1.39	3.75	5.27	0.58	4.81
12	2F1T-14463-AA	881028-B48	4.65	1.25	2.90	4.77	0.52	4.36	5.20	1.39	3.75	5.27	0.58	4.81
14•14	1F1T-14463-BA	881128-B48	4.45	1.19	2.33	4.56	0.50	4.17	6.22	1.67	3.21	6.30	0.66	5.73
12•20	1F1T-14463-BA	881128-B48	4.45	1.19	2.33	4.56	0.50	4.17	6.22	1.67	3.21	6.30	0.66	5.73
14•16	1F1T-14463-BA	881128-B48	4.45	1.19	2.33	4.56	0.50	4.17	6.22	1.67	3.21	6.30	0.66	5.73
16•18	3L8T-14463-CA	881328-B48	3.95	1.06	2.08	4.00	0.48	3.67	6.00	1.61	2.50	5.81	0.63	5.29
14	1F1T-14463-CA	881428-B48	3.95	1.06	2.08	4.00	0.48	3.67	4.22	1.13	3.07	4.34	0.51	3.98
18	2F1T-14463-BA	881828-B48	3.65	0.98	1.93	3.69	0.45	3.39	3.30	0.88	2.43	3.38	0.43	3.11
20•20	3L8T-14463-CA	881328-B48	3.75	1.01	2.45	3.84	0.45	3.52	6.00	1.61	2.50	5.81	0.63	5.29
18	8L8T-14463-BA	881828-Y48	3.65	0.98	1.93	3.69	0.45	3.39	3.30	0.88	2.43	3.38	0.43	3.11
12•16	HU5T-14463-JA	880928-Y48	4.85	1.30	3.09	4.97	0.53	4.54	8.00	2.15	3.69	7.91	0.79	7.19
12	HU5T-14463-HA	881028-Y48	4.65	1.25	2.90	4.77	0.52	4.36	5.20	1.39	3.75	5.27	0.58	4.81
14•14	HU5T-14463-GA	881128-Y48	4.45	1.19	2.33	4.56	0.50	4.17	6.22	1.67	3.21	6.30	0.66	5.73
16•18	HU5T-14463-KA	881328-Y48	3.95	1.06	2.08	4.00	0.48	3.67	6.00	1.61	2.50	5.81	0.63	5.29
14	HU5T-14463-FA	881428-Y48	3.95	1.06	2.08	4.00	0.48	3.67	4.22	1.13	3.07	4.34	0.51	3.98

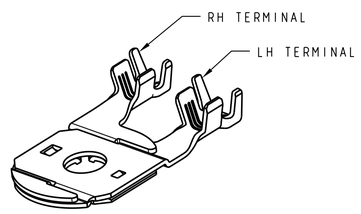
Conductor Crimper



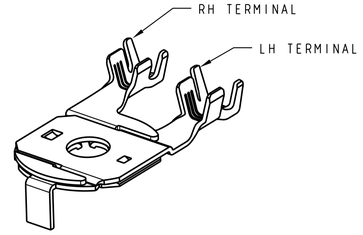
Insulation Crimper



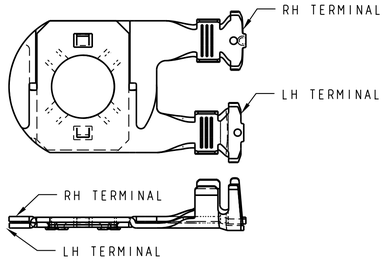
E3 VIEW OF ASSEMBLY WITHOUT ANTI-ROTATION TAB OPTION



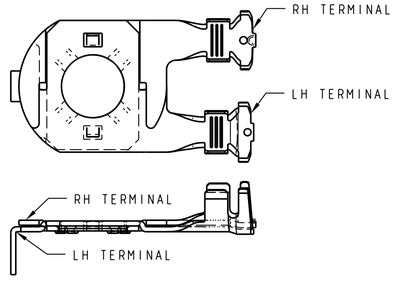
E3 VIEW OF ASSEMBLY WITH ANTI-ROTATION TAB OPTION



E3 VIEW OF ASSEMBLY WITHOUT ANTI-ROTATION TAB OPTION



E3 VIEW OF ASSEMBLY WITH ANTI-ROTATION TAB OPTION



DRAWING/PART NO. 1F1T-14463-BA | REV H | SHT 2

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