



MTS FSE MODULAR TRAINING



Documentation Resources

December 17, 2018 Rev G

be certain.

Documentation Resources

- » There are several documentation tools and resources available to use.
 - Standard Torque Specifications
 - Finder
 - DOD - Documents on Demand
 - ECHO - Product Manuals
 - ECHO - CD Reference
 - Archive - CD Reference
 - POND - Projects on Demand
 - MTS Q&A application
 - Salesforce.com
 - FSE Wiki
 - Field Service Intranet page

Standard Torque Specifications

- » Bolts are torqued to specific design requirements to ensure a reliable product.
 - Anytime a bolt is loosened or the configuration of a component is modified, consult the system assembly drawings.
 - Always use bolt torques found on MTS assembly drawings first. If no drawing exists, use the standard torque charts.
 - Most manufacturers recommend to always return a torque wrench to zero when you are finished using it.

- » Link to MTS Standard Torque Chart
 - [MTS Standard Torque Charts](#)

Standard Torque Chart – US Customary

Bolt Ratings and Torque Requirements – U.S. Customary Sizes

Coarse Thread Series (Preferred)

Size	Tensile Area (in. ²)	Socket Head Cap Screws ¹				Hex Bolts ²			
		Working Force		Torque ³ (lube)		Working Force		Torque ³ (lube)	
		(kN)	(kip)	(N·m)	(lbf·ft)	(kN)	(kip)	(N·m)	(lbf·ft)
2-56	0.0037	1.04	0.233	0.51	0.38	0.74	0.166	0.36	0.27
4-40	0.00603	1.69	0.38	1.1	0.8	1.21	0.271	0.77	0.57
6-32	0.00909	2.55	0.572	2.0	1.5	1.82	0.409	1.4	1.1
8-32	0.014	3.93	0.883	3.7	2.7	2.8	0.63	2.6	1.9
10-24	0.0175	4.91	1.1	5.3	3.9	3.51	0.789	3.8	2.8
1/4-20	0.0318	8.92	2.0	13	9.4	6.37	1.43	9.1	6.7
5/16-18	0.0524	14.7	3.30	26	19	10.5	2.36	19	13.8
3/8-16	0.0775	21.7	4.88	47	34	15.5	3.49	33	25
7/16-14	0.1063	29.8	6.70	75	55	21.2	4.78	53	39
1/2-13	0.142	39.8	8.94	110	84	28.4	6.39	81	60
9/16-12	0.182	48.6	10.92	156	115	36.4	8.19	117	86
5/8-11	0.226	60.3	13.6	220	160	45.2	10.2	160	120
3/4-10	0.334	89.3	20.1	380	280	66.9	15.1	290	210
7/8-9	0.462	123.2	27.7	615	454	92.4	20.7	462	340
1-8	0.606	162	36.3	920	680	121	27.3	690	510
1-1/4-7	0.969	259	58.1	1800	1400	194	43.6	1400	1000
1-1/2-6	1.41	375	84.3	3200	2400	281	63.2	2400	1800
1-3/4-5	1.89	502	113	5000	3700	376	84.8	3800	2800
2-4-1/2	2.5	667	150	7600	5600	500	112	5700	4200
3-4	5.97	1590	358	27000	20000	1190	269	20000	15000
4-4	11.1	2960	665	68000	50000	2220	499	51000	37000

1 Use ASTM574 or threaded rod of equal strength.

For socket head cap screws with diameters less than 0.50 inches, S_{ULT} = 180 ksi, working stress = 63 ksi

For socket head cap screws with diameters greater than 0.62 inches, S_{ULT} = 170 ksi, working stress = 60 ksi

2 Use SAE grade 5 and ASTM A325, up to 0.75 inch diameter or threaded rod of equal strength.

For threaded fasteners with S_{ULT} = 120 to 130 minimum, working stress = 46 ksi (includes SAE grade 5 screws up to 0.75 in.)

3 Torque for damp equal to 1.5 x working force.

Standard Torque Chart – US Customary

Bolt Ratings and Torque Requirements – U.S. Customary Sizes

Fine Thread Series

Size	Tensile Area (in. ²)	Socket Head Cap Screws ¹				Hex Bolts ²			
		Working Force		Torque ³ (lube)		Working Force		Torque ³ (lube)	
		(kN)	(kip)	(N-m)	(lbf-ft)	(kN)	(kip)	(N-m)	(lbf-ft)
2 - 64	0.00393	1.1	0.248	0.54	0.4	0.788	0.177	0.39	0.29
4 - 48	0.0066	1.85	0.416	1.2	0.87	1.32	0.297	0.85	0.62
6 - 40	0.0101	2.84	0.639	2.2	1.7	2.03	0.456	1.6	1.2
8 - 36	0.0147	4.13	0.928	3.9	2.9	2.95	0.663	2.8	2
10 - 32	0.02	5.6	1.26	6.1	4.5	4	0.9	4.3	3.2
1/4 - 28	0.0364	10.2	2.29	15	11	7.28	1.64	10	7.7
5/16 - 24	0.0581	16.2	3.66	30	22	12.2	2.74	22	16
3/8 - 24	0.0878	24.6	5.53	53	39	17.6	3.95	38	28
7/16 - 20	0.119	33.3	7.48	83	61	23.8	5.34	59	44
1/2 - 20	0.16	44.8	10.1	130	94	32	7.2	91	67
9/16 - 18	0.203	54.2	12.18	174	128	40.6	9.13	131	96
5/8 - 18	0.256	68.3	15.4	240	180	51.2	11.5	180	130
3/4 - 16	0.373	99.5	22.4	430	310	74.7	16.8	320	240
7/8 - 14	0.509	136	30.6	680	500	102	22.9	510	376
1 - 14	0.68	181	40.8	1000	760	136	30.6	780	570
1-1/4 - 12	1.07	286	64.4	2000	1500	215	48.3	1500	1100
1-1/2 - 12	1.58	422	94.9	3600	2700	316	71.1	2700	2000
1-3/4 - 12	2.19	584	131	5800	4300	438	98.4	4400	3200
2 - 12	2.89	772	174	8800	6500	579	130	6600	4900
3 - 12	6.69	1790	401	31000	23000	1340	301	23000	17000

1 Use ASTM574 or the threaded rod of equal strength.

For socket head cap screws with diameters less than 0.50 inches, $S_{ULT} = 180$ ksi, working stress = 63 ksi

For socket head cap screws with diameters greater than 0.62 inches, $S_{ULT} = 170$ ksi, working stress = 60 ksi

2 Use SAE grade 5 and ASTM A325, up to 0.75 inch diameter or threaded rod of equal strength.

For threaded fasteners with $S_{ULT} = 120$ to 130 minimum, working stress = 45 ksi (includes SAE grade 5 screws up to 0.75 in.)

3 Torque for clamp equal to 1.5 x working force.

Standard Torque Chart – SI Metric

Bolt Ratings and Torque Requirements – SI Metric Sizes

Coarse Thread Series (Preferred)

Size	Tensile Area (in. ²)	Socket Head Cap Screws ¹				Hex Bolts ²			
		Working Force		Torque ³ (lube)		Working Force		Torque ³ (lube)	
		(kN)	(kip)	(N·m)	(lbf·ft)	(kN)	(kip)	(N·m)	(lbf·ft)
M3-5	0.00769	2.05	0.461	1.4	1.0	1.54	0.346	1.0	0.77
M4-7	0.0134	3.58	0.804	3.2	2.4	2.68	0.603	2.4	1.8
M5-8	0.0217	5.79	1.3	6.5	4.8	4.34	0.976	4.9	3.6
M6-1	0.0307	8.21	1.84	11	8.2	6.15	1.38	8.3	6.1
M8-1.25	0.056	14.9	3.36	27	20	11.2	2.52	20	15
M10-1.5	0.0888	23.7	5.33	53	39	17.8	3.99	40	29
M12-1.75	0.129	34.4	7.74	93	69	25.8	5.81	70	51
M16-2	0.24	64.2	14.4	230	170	48.1	10.8	170	130
M20-2.5	0.376	100	22.5	450	330	75.2	16.9	340	250
M24-3	0.541	144	32.4	780	570	108	24.3	580	430
M30-3.5	0.861	230	51.6	1600	1100	172	38.7	1200	860
M36-4	1.25	335	75.3	2700	2000	251	56.5	2000	1500
M42-4.5	1.72	460	103	4300	3200	345	77.5	3300	2400
M48-5	2.26	604	136	6500	4800	453	102	4900	3600
M56-5.5	3.12	833	187	10000	7700	625	140	7900	5800
M64-6	4.12	1100	247	16000	12000	824	185	12000	8800

1 Use Grade 12.9 or threaded rod of equal strength with $S_{ULT} = 1220$ MPa, working stress = 410 MPa
 2 Use Grade 8.8 or threaded rod with $S_{ULT} = 860$ MPa, working stress = 310 MPa
 3 Torque for clamp equal to 1.5 x working force.

Standard Torque Chart – SI Metric

Bolt Ratings and Torque Requirements – SI Metric Sizes

Fine Thread Series

Size	Tensile Area (in. ²)	Socket Head Cap Screws ¹				Hex Bolts ²			
		Working Force		Torque ³ (lube)		Working Force		Torque ³ (lube)	
		(kN)	(kip)	(N·m)	(lbf·ft)	(kN)	(kip)	(N·m)	(lbf·ft)
M 8-1	0.0601	16	3.61	29	21	12	2.7	22	16
M 10-1.25	0.0939	25.1	5.63	56	42	18.8	4.23	42	31
M 12-1.25	0.142	37.8	8.49	100	75	28.3	6.37	76	56
M 12-1.5	0.135	36.1	8.11	97	72	27.1	6.08	73	54
M 16-1.5	0.257	68.7	15.4	250	180	51.5	11.6	190	140
M 20-1.5	0.418	112	25.1	500	370	83.7	18.8	380	280
M 20-2	0.397	106	23.8	480	350	79.4	17.9	360	260
M 24-2	0.592	158	35.5	850	630	118	26.6	640	470
M 27-2	0.764	204	45.8	1200	910	153	34.4	930	690
M 30-2	0.958	256	57.5	1700	1300	192	43.1	1300	950
M 36-3	1.33	355	79.9	2900	2100	267	59.9	2200	1600
M 42-3	1.86	496	112	4700	3500	372	83.7	3500	2600
M 48-3	2.47	660	148	7100	5300	495	111	5300	3900
M 56-4	3.3	882	198	11000	8200	662	149	8300	6100
M 64-4	4.4	1170	264	17000	12000	880	198	13000	9300

1 Use Grade 12.9 or threaded rod of equal strength with $S_{ULT} = 1220$ MPa, working stress = 410 MPa
 2 Use Grade 8.8 or threaded rod with $S_{ULT} = 860$ MPa, working stress = 310 MPa
 3 Torque for damp equal to $1.5 \times$ working force.

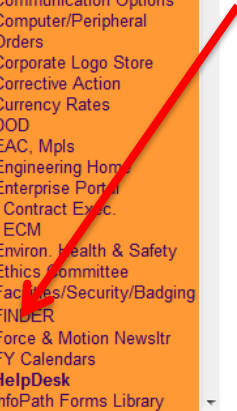
Finder

- » Finder is a searchable data base that is available to FSE's to provide part numbers and other information. It is only available for MTS employee use.
- » Finder can be used to locate a Bill of Materials (BOM)
 - The BOM is a list of the parts used when manufacturing a product
- » You can also locate drawings using Finder
- » To access Finder follow the link on the right hand side of Intranet home page at Intranet.mts.com
- » Alternate access <http://sapweb.mts.com/finder/>

Finder

The screenshot shows the MTS intranet homepage at <http://intranet.mts.com/>. The browser window includes a search bar with Google, a navigation menu with 'Sign In', and a toolbar with various application shortcuts like 'FINDER', 'POND', and 'MTS Field Service'. The main content area features a purple header with 'intranet.mts.com' and a navigation bar with 'Documents', 'Groups', 'People', 'Search', 'Internet', and 'Email'. On the left, there are vertical menus for 'Phonebook', 'Emergencies', 'Information', 'Social Media', 'HR Information', 'Work Places', and 'About the Intranet'. The central 'General News' section lists several articles, including 'SAP Production Systems Offline from 10:00 p.m. Jan. 3 thru 2:30 p.m. Jan. 4' and 'Welcome these New Employees to MTS'. A large photo of a group of people is featured in the middle, with the headline 'Inaugural MTS TestSuite™ Users' Group Draws Worldwide Attendees'. On the right, there are sections for 'Mission / Values', 'MTS AlertLine', 'Quick Search', and 'Essential Links'.

Link to Finder



Finder

- » Search with finder using all or any portion of
 - Part Description (Smart Search)
 - MTS Part Number (**Material Number**)
 - MTS Part Name (Material Description)
 - Manufacturer Part Number (MTS's Vendor Part Number)
 - Manufacturer Name
- » Selecting All for "Plant" will return results from every MTS location worldwide

[Preferences](#) | [Abbreviations...](#) | [Definitions...](#) | [My Searches](#)

Last update: Today at 12:4

(Click to hide search criteria)
 General Search

Smart Search Material Number Material Description
 Class Code Manufacturer Part Number Manufacturer Name
 Plant Number

Bill of Material Document Number Search
 Document Number

Finder - MTS Part Numbers

- » MTS part numbers also known as Material Numbers are 9 digits long. We display these as 3 groups of 3 digit numbers separated by dashes
 - XXX-YYY-ZZZ
 - Alternate entry method XXXYYYZZZ
 - This is **Not** the manufacturers part number

- » Legacy part numbers are only 8 digits long. The first six numbers are the base number. The last two are the sub numbers indicating length, size etc.

- » Legacy part numbers will be displayed in finder using 3 groups of three numbers. Since the original part number only contained 8 digits these will have a leading zero added to them

Finder – Raleigh to MTS Part Numbers

- » What are Raleigh part numbers
 - A legacy MTS brand of electromechanical load frame called Sintech.
 - An example of a machine model number is Sintech10/D
 - We still support some of this legacy equipment
 - Sintech part numbers are also known as Raleigh part numbers

- » Cross referencing old Sintech or Raleigh part numbers to MTS part numbers
 - Raleigh part numbers are a series of two digits: a decimal point and a series of five digits
 - XX.YYYYY
 - The web page for cross referencing Raleigh part numbers to MTS part numbers
 - [Raleigh Cross Ref Link](#)

Finder – Raleigh to MTS Part Numbers

- » Raleigh cross reference web page
 - SAP part number is MTS part number
 - Use either Raleigh part number, MTS part number or description
 - Click submit or press enter

Raleigh (EMT) <-> SAP Part Number Cross Reference

Click on the SAP part number to see a detail listing from Martin-FINDER.
[Download the Excel version for offline use.](#)

Raleigh Part Number:

SAP Part Number:

Description: [Search Help](#)

Your search found 1 record(s).

Raleigh #	SAP #	Description
33.00202	100080705	EXTENSOMETER,1" 50% 630MODEL

Finder – Searching Tips

- » Entering multiple words will return all entries containing all of the words.
 - Spaces are treated as a logical AND

MTS FINDER

▲ (Click to hide search criteria)

General Search

Smart Search Material Number Material Description

Class Code Manufacturer Part Number Manufacturer Name

Plant Number

Bill of Material Document Number Search

Document Number

Search Reset Save Search

189 records found.

Plant	BOM	DOC	WU	Material Number	Rev.	Has Vendor Contract	Material Description	Qty On Hand	Add	Manufacturer Part Number	Manufacturer Name	Price	Price Unit	Last Price Update	Class Code(s)
1101				031-197-501	B		BASE-LVDT MTG. 205.08 + 205.09 ACTUATOR					438.85 USD	1	09-Oct-2004	104XX
1101				038-155-201	A		PLATE-LVDT MTG TO 8" STROKE ACTUATOR					17.49 USD	1	09-Oct-2005	23661
1101				038-209-101	B		LVDT SUB ASSY 205 HIGH RATE ACTUATOR					277.69 USD	1	28-Sep-2003	
1101				038-521-601	A		LVDT-SUB ASSY HIGH RATE ACTUATOR					276.90 USD	1	28-Sep-2003	
1101				048-188-001	A		ACTUATOR ASSY-244.22,XHDMTG,6"STK W/LVDT					3205.46 USD	1	19-Jan-2002	16136
1101				048-188-002	A		ACTUATOR ASSY-244.22,BPMTG,6"STRK,W/LVDT					2929.21 USD	1	21-Jan-2002	16136
1101				048-229-502	A		ACTUATOR ASSY-244.21 BPMTG,6"STRK W/LVDT					2955.09 USD	1	09-Oct-2004	16136
1101				048-229-504	A		ACTUATOR ASSY-244.21S,XHDMTG,6"ST W/LVDT					3609.27 USD	1	09-Oct-2004	16136
1101				048-229-505	A		ACTUATOR ASSY-244.21 BPMTG,6"STRK W/LVDT					3487.94 USD	1	07-Oct-2017	16136

Finder – Searching Tips

- » To find descriptions containing 244.12 use the Material Description field
 - Returns all entries with 244.12 in the description including both complete actuators and actuator components

FINDER

▲ (Click to hide search criteria)

General Search

Smart Search Material Number **Material Description**

Class Code Manufacturer Part Number Manufacturer Name

Plant Number

Bill of Material Document Number Search

Document Number

Search Reset Save Search

1732 records found (showing 1 through 500)

Plant	BOM	DOC	WU	Material Number	Rev.	Has Vendor Contract	Material Description	Qty On Hand	Add	Manufacturer Part Number	Manufacturer Name	Price	Price Unit	Last Price Update	Class Code(s)
1101				008-710-047	A		SEAL KIT,244.12 STRUCTURAL	18				46.42 USD	1	07-Oct-2017	18437
1101				008-710-068	B		SEAL KIT-244.12 LOADFRAME	3				44.26 USD	1	07-Oct-2017	18437
1101				021-602-260	A		244.12 ACT ASSY FLOW TEST LOW STICT PROC					7271.44 USD	1	04-Nov-2000	90017
1101				021-602-293	A		244.12, 6 IN STROKE SWIVEL BASE 56.287-1					4349.28 USD	1	04-Nov-2000	90017
1101				021-602-349	A		244.12, 661.20 BVFA / 57.003-04					3524.85 USD	1	04-Nov-2000	90017
1101				033-459-411	C		MANIFOLD-SERVOVALVE 244.12S,256.18 S/V					503.26 USD	1	09-Oct-2004	17738 90013

Finder – Bill Of Materials

- » Click the “Page Icon With The Green Bar” to the left of the part number to return a Bill of Materials (BOM).
 - A BOM is a list of components used to manufacture an item.
 - If there is no icon then a BOM does not exist

1732 records found (showing 1 through 500)

Plant	BOM	DOC	WU	Material Number	Rev.	Has Vendor Contract	Material Description	Qty On Hand	Add	Manufacturer Part Number	Manufacturer Name	Price
1101				008-710-047	A		SEAL KIT,244.12 STRUCTURAL	18				46.42 L
1101				008-710-068	B		SEAL KIT-244.12 LOADFRAME	3				44.26 L
1101				021-602-260	A		244.12 ACT ASSY FLOW TEST LOW STICT PROC					7271.44 L
1101				021-602-293	A		244.12, 6 IN STROKE SWIVEL BASE 56.287-1					4349.28 L
1101				021-602-349	A		244.12, 661.20 BVFA / 57.003-04					3524.85 L
1101				033-459-411	C		MANIFOLD-SERVOVALVE 244.12S,256.18 S/V					503.26 L

Click on page icon with the green bar for BOM

Here it would be all the part and sub assemblies used to manufacture this actuator

Finder – BOM Export

- » Click on the Excel Icon to export a copy of the BOM
 - Exports the complete BOM listing into Excel

MTS FINDER: Bill of Materials

▲ (Click to hide search criteria)

General Search

Smart Search Material Number Material Description

Class Code Manufacturer Part Number Manufacturer

Plant Number

Bill of Material Document Number Search

Document Number

Click on the Excel icon to import the list into Excel

Bill of Materials For: [021-602-293 - 244.12, 6 IN STROKE SWIVEL BASE 56.287-1](#)

11 records

Plant	BOM	DOC	WU	BOM Item #	Material Number	Rev.	Has Vendor Contract	BOM Qty	Material Description	Add	Manufacturer Part Number	Manufacturer Name
				0010				1 EA	P.E. PETER KLOTZSCHE GMBH-206			
				0020				1 EA	JOB 56.287-10 PLSE SHIP TO BERLIN THANKS			
1101				0100	036-771-301	D		1 EA	ACTUATOR ASSY-244.12-05,6 IN STRK 5.5KIP			
1101				0110	036-253-304	B	✓	1 EA	INSERT-SCR THD 1-14UN3XM12X1.25MMX1.450L			
1101				0120	031-795-801	B		1 EA	MANIFOLD ASSY-DUAL S/V, 252.2X W/COVERS			
1101				0130	003-598-401	D		1 EA	COVER PLATE ASSY-MANIFOLD			
1101				0140	056-006-201	C		1 EA	SERVOVALVE-2.5 GPM 252.22G-01 4 PORT		G761-3261	MOOG
1101				0150	045-438-108	F	✓	1 EA	FORCE XDCR-25KN SINGLE BRIDGE,661.19F-04		FR10M-25KN-B012	TOVEY
1101				0160	045-372-903	D		1 EA	SWIVEL BASE ASSY-249.20 15 KIP (W/BOSS)			
1101				0170	040-473-120	B		1 EA	SPIRAL WASHER SET .472IDX 1.62OD FOR M12			
1101				0180	038-529-404	B		1 EA	STUD-CONTINUOUS THD M12 X 1.25MM X 3.75			

Finder – BOM Export

- » BOM exported to Excel
 - BOM could be saved, sorted or printed for offline use

Plant	BOM	DOD Flag	DOD File Location	BOM Item #	Material Number	Rev.	Has Vendor Contract	BOM Qty	BOM Qty Unit	Material Description	Manufacturer Part Number	Manufacturer Name
	41226			10			No	1	EA	P.E. PETER KLOTZSCHE GMBH-206		
	41226			20			No	1	EA	JOB 56.287-10 PLSE SHIP TO BERLIN THANKS		
1101	41226	YES	dwgs/36/367713xx.pdf	100	036-771-301	D	No	1	EA	ACTUATOR ASSY-244.12-05,6 IN STRK 5.5KIP		
1101	41226	YES	dwgs/36/362533xx.pdf	110	036-253-304	B	Yes	1	EA	INSERT-SCR THD 1-14UN3XM12X1.25MMX1.450L		
1101	41226	YES	dwgs/31/317958xx.pdf	120	031-795-801	B	No	1	EA	MANIFOLD ASSY-DUAL S/V, 252.2X W/COVERS		
1101	41226	YES	dwgs/03/035984xx.pdf	130	003-598-401	D	No	1	EA	COVER PLATE ASSY-MANIFOLD		
1101	41226	YES	dwgs/56/560062xx.pdf	140	056-006-201	C	No	1	EA	SERVOVALVE-2.5 GPM 252.22G-01 4 PORT	G761-3261	MOOG
1101	41226	YES	dwgs/45/454381xx.pdf	150	045-438-108	F	Yes	1	EA	FORCE XDCR-25KN SINGLE BRIDGE,661.19F-04	FR10M-25KN-B012	TOVEY
1101	41226	YES	dwgs/45/453729xx.pdf	160	045-372-903	D	No	1	EA	SWIVEL BASE ASSY-249.20 15 KIP (W/BOSS)		
1101	41226	YES	dwgs/40/404731xx.pdf	170	040-473-120	B	No	1	EA	SPIRAL WASHER SET .472IDX 1.62OD FOR M12		
1101	41226	YES	dwgs/38/385294xx.pdf	180	038-529-404	B	No	1	EA	STUD-CONTINUOUS THD M12 X 1.25MM X 3.75		

Finder – Where Used

- » Click the “Box With Three Arrows” to the left of the part number to find out where this part is used.

1732 records found (showing 1 through 500)

Plant	BOM	DOC	WU	Material Number	Rev.	Has Vendor Contract	Material Description	Qty On Hand	Add	Manufacturer Part Number	Manufacturer Name	Price
1101				008-710-047	A		SEAL KIT,244.12 STRUCTURAL	18				46.42 L
1101				008-710-068	B		SEAL KIT-244.12 LOADFRAME	3				44.26 L
1101				021-602-260	A		244.12 ACT ASSY FLOW TEST LOW STICT PROC					7271.44 L
1101				021-602-293	A		244.12, 6 IN STROKE SWIVEL BASE 56.287-1					4349.28 L
1101				021-602-349	A		244.12, 661.20 BVFA / 57.003-04					3524.85 L
1101				033-459-411	C		MANIFOLD-SERVOVALVE 244.12S,256.18 S/V					503.26 L

Click on box with three arrows out the right side

Will show any material that references this part

Finder – Drawing

- » The pdf icon indicates there is a drawing associated with that part number
 - Click on icon to open drawing

▲ (Click to hide search criteria)

General Search

Smart Search Material Number Material Description

Class Code Manufacturer Part Number Manufacturer Name

Plant Number

Bill of Material Document Number Search

Document Number

1732 records found (showing 1 through 500)

Click on the PDF drawing icon to open drawing

Plant	BOM	DOC	WU	Material Number	Rev.	Has Vendor Contract	Material Description	Qty On Hand	Add	Manufacturer Part Number	Manufacturer Name	Price	Price Unit	Last Price Update	Class Code(s)
1101				008-710-047	A		SEAL KIT,244.12 STRUCTURAL	18				46.42 USD	1	07-Oct-2017	18437
1101				008-710-068	B		SEAL KIT-244.12 LOADFRAME	3				44.26 USD	1	07-Oct-2017	18437
1101				021-602-260	A		244.12 ACT ASSY FLOW TEST LOW STICT PROC					7271.44 USD	1	04-Nov-2000	90017
1101				021-602-293	A		244.12, 6 IN STROKE SWIVEL BASE 56.287-1					4349.28 USD	1	04-Nov-2000	90017
1101				021-602-349	A		244.12, 661.20 BVFA / 57.003-04					3524.85 USD	1	04-Nov-2000	90017
1101				033-459-411	C		MANIFOLD-SERVOVALVE 244.12S,256.18 S/V					503.26 USD	1	09-Oct-2004	17738 90013

Finder - Cost

- » The price column shows MTS cost to manufacture or purchase
 - This is not the same as customer price
 - This is the number used for figuring warranty cost

FINDER

▲ (Click to hide search criteria)

General Search

Smart Search Material Number Material Description

Class Code Manufacturer Part Number Manufacturer Name

Plant Number

Bill of Material Document Number Search

Document Number

Search

1732 records found (showing 1 through 500)

1 2 3 4															
Plant	BOM	DOC	WU	Material Number	Rev.	Has Vendor Contract	Material Description	Qty On Hand	Add	Manufacturer Part Number	Manufacturer Name	Price	Price Unit	Last Price Update	Class Code(s)
1101				008-710-047	A		SEAL KIT,244.12 STRUCTURAL	18				46.42 USD	1	07-Oct-2017	18437
1101				008-710-068	B		SEAL KIT-244.12 LOADFRAME	3				44.26 USD	1	07-Oct-2017	18437
1101				021-602-260	A		244.12 ACT ASSY FLOW TEST LOW STICT PROC					7271.44 USD	1	04-Nov-2000	90017
1101				021-602-293	A		244.12, 6 IN STROKE SWIVEL BASE 56.287-1					4349.28 USD	1	04-Nov-2000	90017
1101				021-602-349	A		244.12, 661.20 BVFA / 57.003-04					3524.85 USD	1	04-Nov-2000	90017
1101				033-459-411	C		MANIFOLD-SERVOVALVE 244.12S,256.18 S/V					503.26 USD	1	09-Oct-2004	17738 90013

Finder – QTY on Hand

- » The Quantity on hand column indicates how many are currently in stock
 - This includes any that are reserved for an order
 - Reserved parts may not be available

FINDER

▲ (Click to hide search criteria)

General Search

Smart Search Material Number Material Description

Class Code Manufacturer Part Number Manufacturer Name

Plant Number ▼

Bill of Material Document Number Search

Document Number

Search Reset Save Search

1732 records found (showing 1 through 500)

Plant	BOM	DOC	WU	Material Number	Rev.	Has Vendor Contract	Material Description	Qty On Hand	Add	Manufacturer Part Number	Manufacturer Name	Price	Price Unit	Last Price Update	Class Code(s)
1101				008-710-047	A		SEAL KIT,244.12 STRUCTURAL	18				46.42 USD	1	07-Oct-2017	18437
1101				008-710-068	B		SEAL KIT-244.12 LOADFRAME	3				44.26 USD	1	07-Oct-2017	18437
1101				021-602-260	A		244.12 ACT ASSY FLOW TEST LOW STICT PROC					7271.44 USD	1	04-Nov-2000	90017
1101				021-602-293	A		244.12, 6 IN STROKE SWIVEL BASE 56.287-1					4349.28 USD	1	04-Nov-2000	90017
1101				021-602-349	A		244.12, 661.20 BVFA / 57.003-04					3524.85 USD	1	04-Nov-2000	90017
1101				033-459-411	C		MANIFOLD-SERVOVALVE 244.12S,256.18 S/V					503.26 USD	1	09-Oct-2004	17738 90013

Documents on Demand (DOD)

- » Document on Demand is a library of MTS drawings, procedures, and other part numbered documents
 - These are typically Adobe Acrobat (pdf) files however this library also contains other types of drawing files and lists

- » DOD can show both drawings and reference files
 - Drawings can be found on both Finder and DOD
 - 700-XXX-XXX series documents are only available on DOD and not Finder

- » To access DOD follow the link on the right hand side of Intranet home page at Intranet.mts.com
 - Alternate access <http://msp-dod-s1.go.mts.com/dod/>

The screenshot shows the intranet.mts.com website. The browser address bar displays 'http://intranet.mts.com/'. The page features a navigation menu with 'Documents', 'Groups', 'People', 'Search', 'Internet', and 'Email'. A 'General News' section is visible, containing a list of news items. A prominent article titled 'Inaugural MTS TestSuite™ Users' Group Draws Worldwide Attendees' is featured, accompanied by a group photo of attendees. To the right of the article is a sidebar with 'Mission / Values', 'MTS AlertLine', and 'Essential Links'. A red arrow points from the text 'Link to DOD' to the 'DOD' link in the 'Essential Links' section.

Phonebook

Change my info
-Dex Directory
-MTS Intl Directory
-Special Extensions
-EP Building Maps
-Net Conferencing
-Verizon Website

Emergencies

Information
Emp Anniversaries
Press Releases

Social Media
f in You Tube

HR Information
"Go To" Lists
HR Home
Job Postings
- View Jobs
- Quick Reference

Work Places
MTS - Test
Sensors
Berlin
MTS - Asia
MTS - Eden Prairie

About the Intranet

General News (Click for Archive)

- SAP Production Systems Offline from 10:00 p.m. Jan. 3 thru 2:30 p.m. Jan. 4 23 Dec
- Welcome these New Employees to MTS 22 Dec
- DOD Unavailable Dec. 23-25 for System Maintenance 22 Dec
- Compensation Statements and FY15 Variable Compensation Now Available 19 Dec
- Payroll Year End Information 19 Dec
- Timesheets for the week ending 12-27-2014 19 Dec
- What to Do When a Customer Experiences a Quality Problem: Training Coming Soon! 18 Dec
- Entering PTO Hours for January in OLE 17 Dec
- Service Execution Excellence Update: RDS Deploys Dec. 22 17 Dec
- MTS Newton Begins Realizing Cost Savings, Releases 3.0 16 Dec
- MTS Test Sustaining Engineering Group Formed 12 Dec
- John Emholz Named SVP and General Manager of Sensors 15 Dec
- Retirement Savings Plan (RSP) Reminders 15 Dec
- MTS Test Sustaining Engineering Group Formed 12 Dec
- Refresher on MTS' Gifts and Business Courtesies Policy 09 Dec
- IT Security Update - Network Security Reminder 03 Dec
- Cafeteria Holiday Closure 03 Dec
- Reminder: Merlin File Transfer Service Retirement 02 Dec
- 2014 Year-End and 2015 Year-Start Payroll, Compensation and Benefit Updates & Reminders 10 Nov
- Important Announcement: Java Workstation Upgrade 08 Nov
- MTS Hosted Service: Seafile (Secure File Sharing Services) 05 Nov

Inaugural MTS TestSuite™ Users' Group Draws Worldwide Attendees

More than 30 servohydraulic and electromechanical customers from six countries attended the inaugural TestSuite Users' Group meeting, held in Minneapolis on Nov. 13-14. The event consisted of customer and MTS presentations, and concluded with groups focusing on monotonic or dynamic testing, and a tour of the Eden Prairie facility.

Mission / Values

MTS AlertLine

Quick Search

Essential Links
ACT-Volunteer
Audit Updates
Cafeteria
- Fall Hours Update
Code of Conduct
Communication Options
Computer/Peripheral Orders
Corporate Logo Store
Corrective Action
Currency Rates
DOD
EAC, Mpls
Engineering Home
Enterprise Portal
- Contract Exec.
- ECM
Environ. Health & Safety
Ethics Committee
Facilities/Security/Badging
FINDER
Force & Motion Newsltr
FY Calendars
HelpDesk
InfoPath Forms Library

Link to DOD

DOD

- » To Use DOD enter part or all of drawing or reference file and click find
 - Will return all file matches
 - Click on link to open desired file

Enter drawing
or reference
number

Click link
to open
drawing

Documents on Demand
Last data refresh from SAP: 12/29/2014 03:41

Search Type [\(Tips\)](#)

File name or SAP material (5 chars min)

Keyword Matches SAP fields: Description, Planner Purchaser, Engr, Mfgr Name or Vendor Name

700003814

Results: 1 drawings found

Drawing	Description
700003814.pdf	SYSTEM CABLE / JUMPER PLUG GUIDE, 494.XX

Click Find

DOD

- » DOD could also be used to find drawings associated with a project or ZISO order
 - Example US1.48882 would be 48882
 - Not all projects have drawings associated, more detailed information can be found using Echo > Manuals > Find Projects
 - ZISO 5003886 is not available on DOD but has all information in Echo projects.

Enter the five numerical digits of project number

Example: 48882

Documents on Demand

Last data refresh from SAP: 01/17/2018 01:15

Search Type [\(Tips\)](#)

File name or SAP material (5 chars min)

Keyword Matches SAP fields: **Description, Planner Purchaser, Engr, Mfgr Name or Vendor Name**

×

Results: 12 drawings found

Drawing	Description
100048882.pdf	BLANKET-BTTN INSUL,656.04 TRIAX CELL
100248882.pdf	LOAD FRAME ASSY, 322.31, T-SLOT TABLE
48882001.pdf	ENCLOSURE-MODIFIED RESTRAINT AND BRAKES
48882101.pdf	CABLE ASSY-POWER TO RESTRAINT & BRAKE BO
488822xx.pdf	CABLE ASSEMBLY-SOLENOID CONTROL OUTPUT

MTS Echo – Product Manuals

- » Manuals for standard MTS products are available both using the Intranet and the Internet through the MTS Echo portal.
 - To access manuals <https://mtsecho.com/login>

Login You will be redirected to *The MTS Echo Dashboard* upon login.

Login

By logging in, you agree to our Terms of Service and use of cookies.

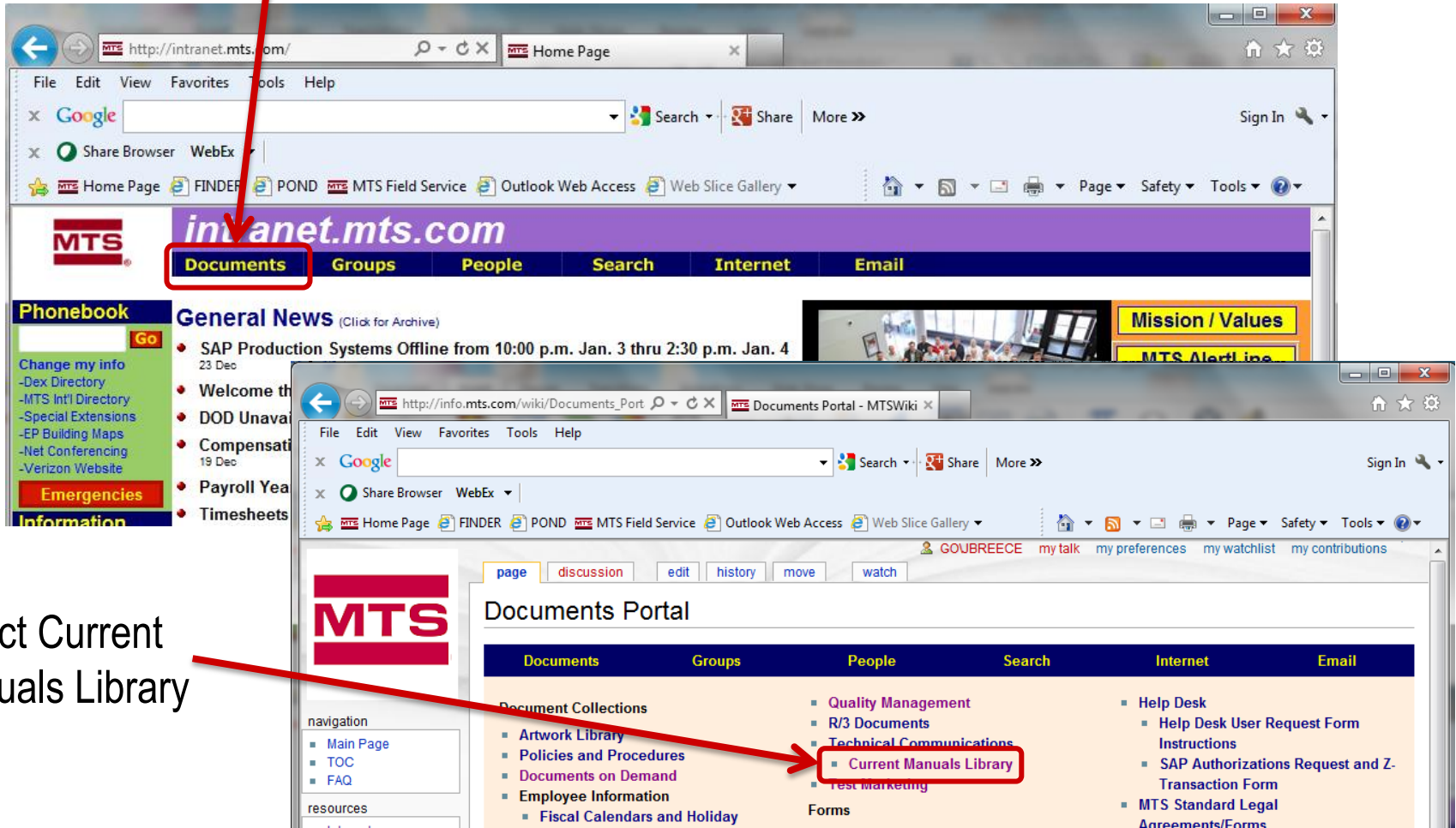
[Forgot your password?](#)

Employees enter their MTS email address and MTS password.

- The following slide shows the old Intranet access
- It will bounce you to the portal above

MTS Echo – Product Manuals

Select Documents



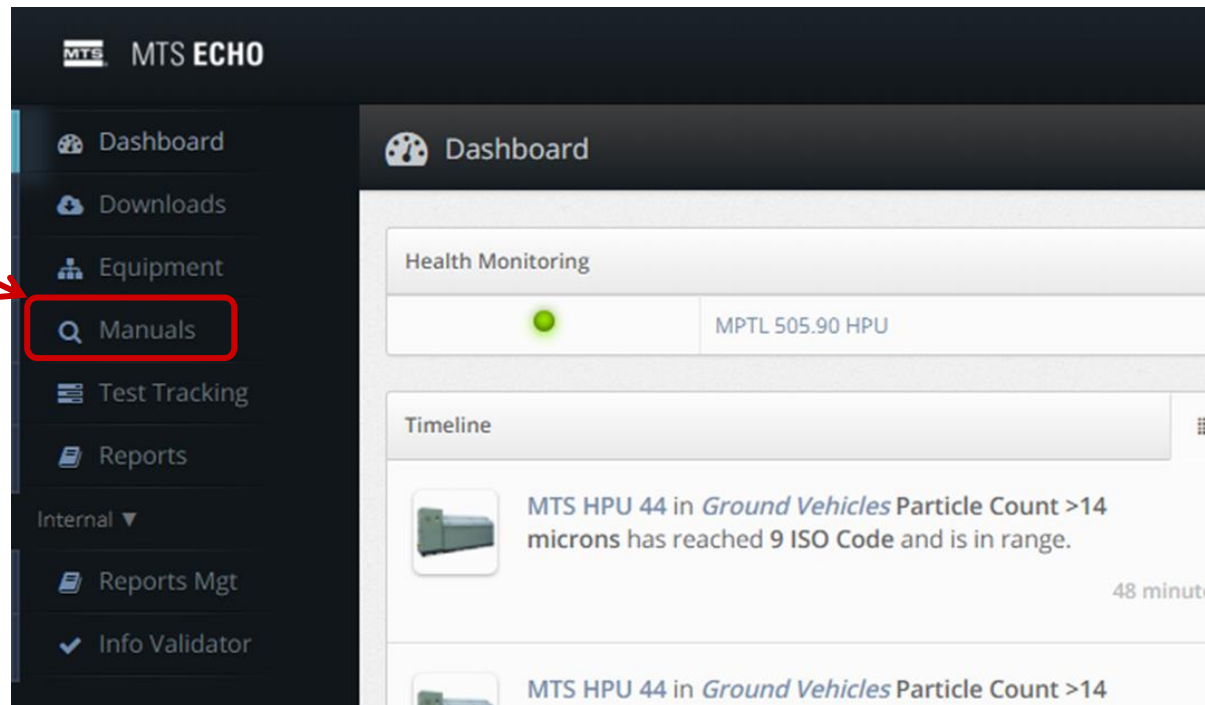
Select Current Manuals Library

MTS Echo – Product Manuals

- » The Echo Dashboard
 - The page you will be on after logging in

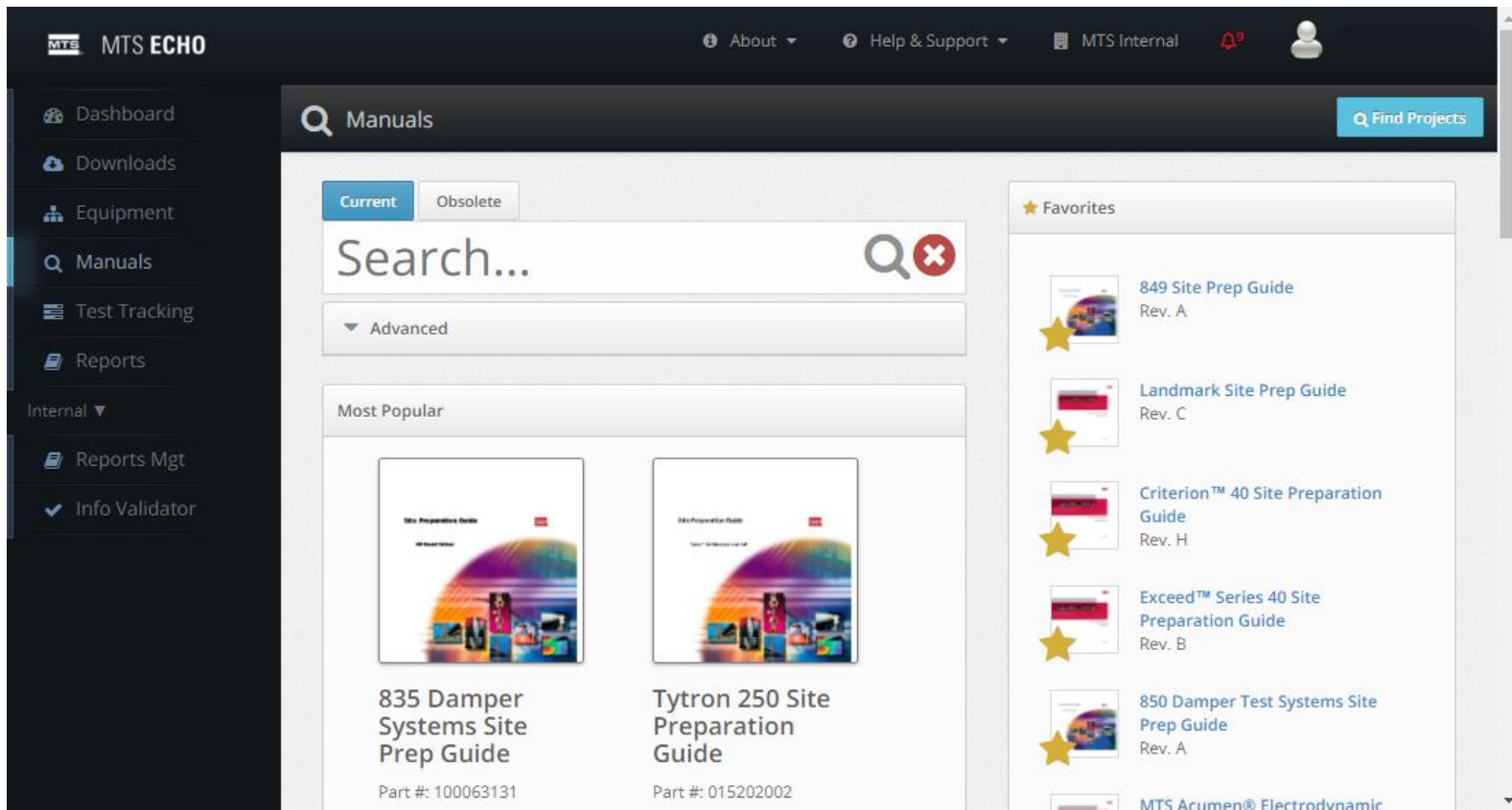
- » Manuals
 - Will take you to the Search / Favorites Screen

Click Manuals



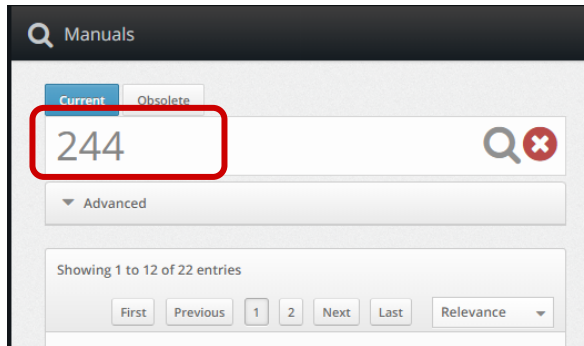
MTS Echo – Product Manuals

- » Manuals - Search / Favorites
 - The page you will work from for all of your documentation support



MTS Echo – Product Manuals

- » Enter search criteria and press search
 - Start with a more generic search
 - Example: Use 244 instead of 244.12



- You can refine your search with the Advanced drop down box

Use the drop
down box



MTS Echo – Product Manuals

- » All matching results are returned
 - Click on the appropriate link to open

Q Manuals

Current Obsolete
Q X

244

▼ Advanced

Language

English - en


Manuals

Actuators


Search
Reset

Showing 1 to 8 of 8 entries


First Previous 1 Next Last Relevance ▼




215 Rotary Actuator
Part #: 011199001
Rev: D




216 Rotary Actuator
Part #: 011199101
Rev: A




201 Actuators
Part #: 100145483
Rev: A



205 Actuator
Part #: 011182400
Rev: A



242 Actuators
Part #: 0111562001
Rev: J



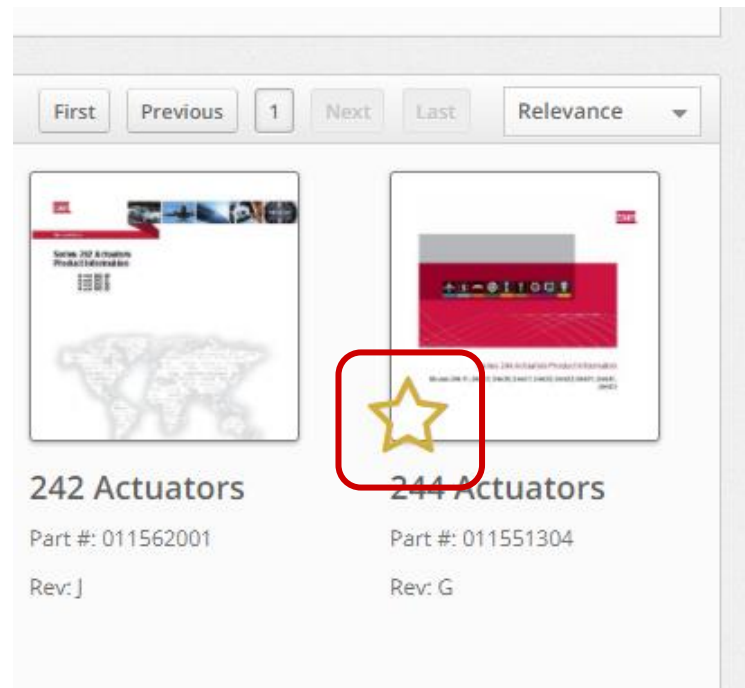
244 Actuators
Part #: 0111551304
Rev: G

MTS Echo – Product Manuals

- » MTS employees can see ALL content, some of which are not available to customers
 - **Do not** share manuals from your MTS logon outside of MTS
 - Use customer logon for customer manual requests

- » To add a manual to your Favorites
 - Click the gold star

- » To remove a manual from Favorites
 - Click the gold star



MTS Echo – Product Manuals

» Favorites list

The screenshot shows the MTS ECHO web application interface. The top navigation bar includes 'About', 'Help & Support', 'MTS Internal', and a notification bell. The left sidebar contains navigation options: Dashboard, Downloads, Equipment, Manuals, Test Tracking, Reports, Internal, Reports Mgt, and Info Validator. The main content area is titled 'Manuals' and features a search bar, tabs for 'Current' and 'Obsolete', and a 'Find Projects' button. Below the search bar is an 'Advanced' filter dropdown. The 'Most Popular' section displays two manual covers: '835 Damper Systems Site Prep Guide' (Part #: 100063131) and 'Tytron 250 Site Preparation Guide' (Part #: 015202002). On the right, a 'Favorites' list is highlighted with a red circle, containing the following items:

- ★ 849 Site Prep Guide Rev. A
- ★ Landmark Site Prep Guide Rev. C
- ★ Criterion™ 40 Site Preparation Guide Rev. H
- ★ Exceed™ Series 40 Site Preparation Guide Rev. B
- ★ 850 Damper Test Systems Site Prep Guide Rev. A
- MTS Acumen® Electrodynamic

MTS Echo – System Reference CD

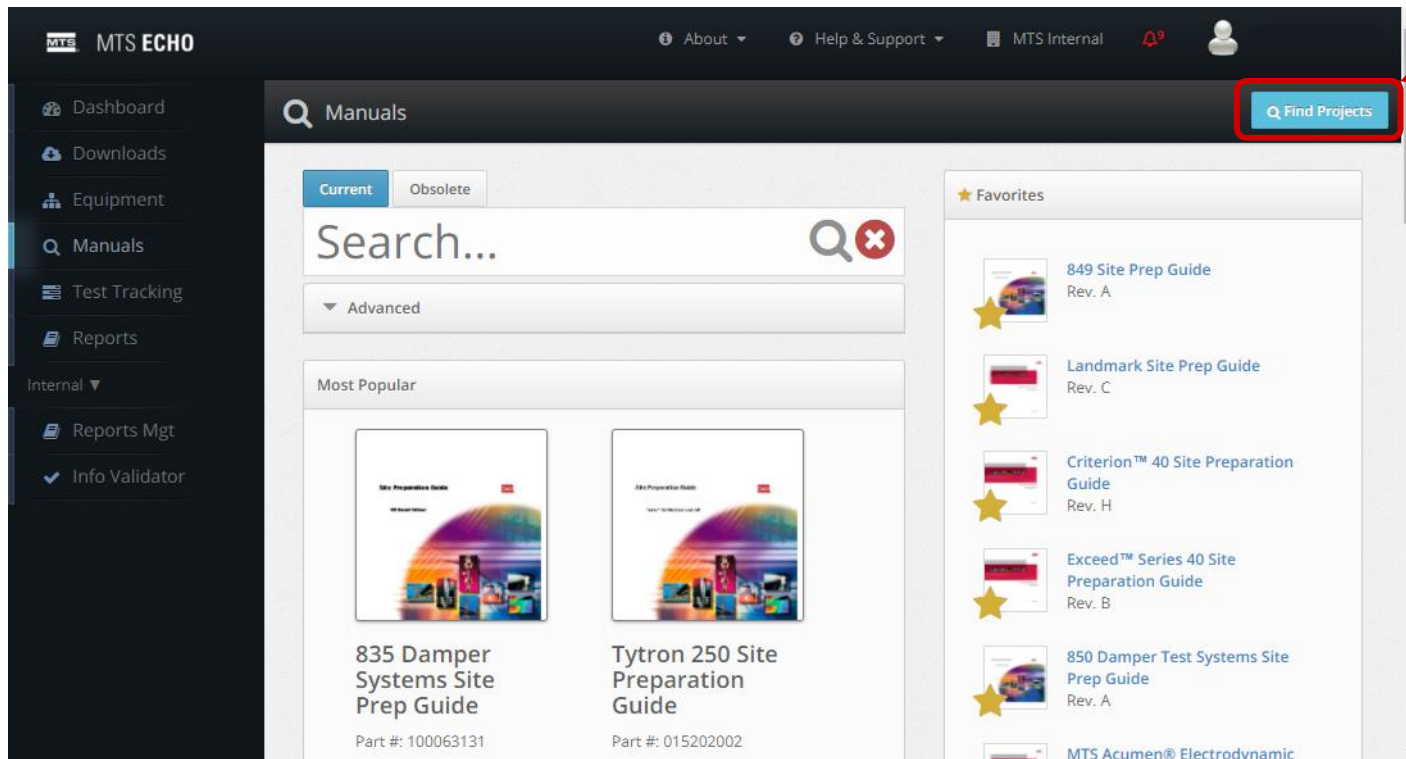
- » Each system manufactured using a project receives reference CD of manuals and drawings specific to the system
 - Project orders are orders with a job number which has a format of
 - US1.XXXXX or US2.XXXXX or DS1.XXXXX or JS1.XXXXX as well as other combinations. The XXXXX is 5 digits representing the order number
 - Example: US1.48882

- » To view the system reference CD for systems shipped after April 5, 2017
 - Use MTS Echo

MTS Echo – System Reference CD

- » From MTS Echo Manuals page
 - Select Find Projects on the upper right side

Click find projects



MTS Echo – System Reference CD

» Find Projects Search

- Search criteria could be any part of - project number, sales order number, site number or project title
- Display is typical of most search engines today
- Example US1.57439 will be used

Number of returned entries per page

Search criteria

Example: Enter the project number

Find Projects

Search:

Show 10 entries

Project #	Site #	Company Name	Project Title	Actions
US1.57439	506258	TENNECO AUTOMOTIVE	MODEL 858 ACTUATOR MANIFOLD ASSEMBLY	View

Showing 1 to 1 of 1 entries (filtered from 1,148 total entries)

First Previous 1 Next Last

Number of returned pages

MTS Echo – System Reference CD

- » Find Projects Search – Continued
 - Project system reference CD selection

Q Find Projects

Search:

Show entries

Project #	Site #	Company Name	Project Title	Actions
US1.57439	506258	TENNECO AUTOMOTIVE	MODEL 858 ACTUATOR MANIFOLD ASSEMBLY	<div style="border: 2px solid red; padding: 2px 10px; display: inline-block; background-color: #6aa84f; color: white; border-radius: 3px;"> 👁 View </div>

Showing 1 to 1 of 1 entries (filtered from 1,148 total entries)

First Previous 1 Next Last

Click the green View box to select and view system reference CD

MTS Echo – System Reference CD

- » System Reference Documentation Page
 - System Reference CD could be downloaded for offline use
 - Typical page layout

Welcome System Reference documentation

Top Level Parts List

100347504
MODEL 858 ACTUATOR MANIFOLD ASSEMBLY
57660403
CABLE ASSY, LOW VELOCITY SOLENOID, 6FT

Low Flow Upgrade

100335678
LOW FLOW UPGRADE KIT-858 LF, 55222

MODEL 858 ACTUATOR MANIFOLD ASSEMBLY

[Download](#)

Top Level Parts List
 Low Flow Upgrade
 242.03 Actuator
 Manuals

Click to download System Reference to local device

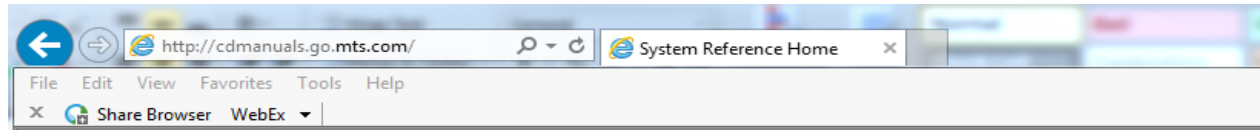
Archive – System Reference CD

- » To view the system reference CD for systems shipped prior to April 5, 2017
 - From the Intranet.mts.com - home page select “Document” from the links near the top
 - Alternate access <http://cdmanuals.go.mts.com/>
 - Select “Archive System Reference”

The screenshot shows a multi-step process to reach the Archive System Reference page. It features two overlapping browser windows. The top window shows the main Intranet.mts.com homepage with the 'Documents' link highlighted in a red box. A callout box labeled 'Click on Document' points to this link. The bottom window shows the 'Documents Portal' page with a list of document collections. The 'Archive System Reference' link is highlighted in a red box, and a callout box labeled 'Click on Archive System Reference' points to it. The 'Documents Portal' page includes a navigation menu with 'Documents', 'Groups', and 'Search' options, and a list of document collections such as 'Artwork Library', 'Policies and Procedures', and 'Employee Information'.

Archive – System Reference CD

- » Enter the search criteria and Click “Go!”
 - Can be order number, customer name, PE name, other search terms
 - Click on link in results to open system reference CD



Search Criteria

Enter the 5 digits representing the order number

Search for System Reference Documentation

Status: All

Search: Go!

PE Form: [CD Manual Request](#)

Writer Form: [Work Request](#)

Extra Info: [More Info](#) [Copy Request](#)

Fill-out and submit a CD manual request for Tech Comm.

Fill-out and submit a work request for Tech Comm.

View the online reference documentation manual.

Click the icon next to a job request a copy.

Questions? Contact [Tiffany Johns](#)
[Tech Comm Home](#)

Click on link to open reference

1 records **Work Request Status - All and '48882'** Condense Display

Job Number	Rev	Customer	System Description	Status	Security	PE	Wr
US2.48882	A	Volvo Construction Equipment	2 Ch Testline	Complete	None	Alem.Gebremedhen tiffa	

POND

- » Order details for a system manufactured using a project can be found on POND
 - Orders with the format US1.XXXXX or similar

- » Access to POND is limited
 - All FSE's have access to POND but not all employees have access to POND
 - Contact helpdesk for access to POND using the link in the browser when access is denied.

- » To access POND from the Intranet home page at intranet.mts.com
 - Select the link on the right side to "POND"

 - Alternate access <http://projects.mts.com/pond/>

POND

- » At the POND home page enter the search criteria and Click “Submit”
 - Any part or all of a project number. For best results only enter the 5 digits which follow the first 3 characters and period. Do not enter the period
 - You can also search by Customer Name or description.

Search Criteria

Enter the project number

Results: Click “View” to open

MTS Projects On Demand (POND) Last update: Today at 3:32 AM

Project # Plant Create Date: to

Customer Name Project Eng. Plan Ship Date: to

Network # Project Desc. Data Origin All SAP IRM

1 record found.

Data Origin	WBS Element	Plant	Project Engineer	Customer	Project Description	Network #	Create Date	Plan Ship Date	
View	SAP	US1.57439.TLN-00	1101	Kuplic Steven	TENNECO AUTOMOTIVE	358 HI FLOW ACTUATOR	969909	13-Dec-2016	08-May-2017

POND

- » On the “Projects” tab is a link to the top level MTS part number
 - Pressing this link opens Finder using the top level part number
 - From Finder you can then get a BOM of the system

Top Level
MTS Part
Number

Projects On Demand (POND)

Last update: Today at 3:3

US1.57439

358 HI FLOW ACTUATOR

TENNECO AUTOMOTIVE

MILAN OH, US

Site #	506258
Application Eng.	Trout, Steven E
Sales Eng.	Phillips, William P
Revenue Contract	ON
Project Type (MG1)	14 - Fast Lane Product
Equipment #	1054462
Warranty Dates	10/18/2017 -

Projects
Documents
Permissions
Communication
Reporting

US1.57439.TLN-00 — 358 HI FLOW ACTUATOR

Project Eng	Kuplis, Steven	
Top Assy	100-347-504	
Network	969909	
Planned Ship	08-May-2017	
URL		

MTS Q&A Application

- » What is the MTS Q&A application
 - MTS world wide FSE question and answer software
 - Proprietary MTS application
 - Runs on Windows notebook PC, Android devices and iPhone / iPad

- » When you have a technical question
 - Search the data base for answers
 - Ask technical question
 - Instant notifications of questions and answers
 - Continual updates based on World Wide FSE feedback
 - High priority flags

MTS Q&A Application Installation

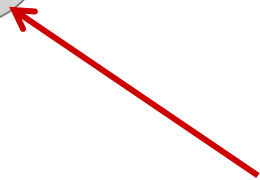
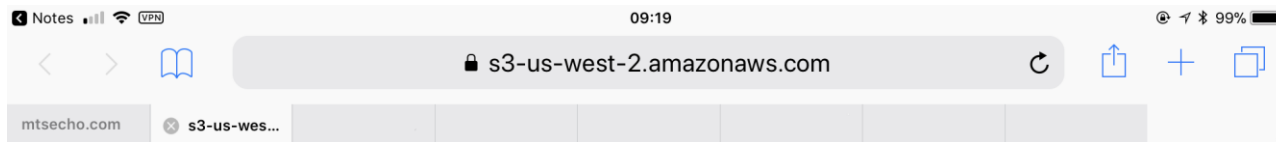
- » You will need to activate your account after installation
 - Use mtsfse for your invitation code, after logging in with your MTS email and password.

- » Installation of the Android Devices mobile application
 - Search the Google Play Store for 'MTS Q&A'
 - Install the app directly from the Play Store
 - Launch the app and login with your MTS email and standard MTS password

- » Installation of the Windows application
 - Click this link from your Windows computer - [Windows Installation Link](#)
 - If you are prompted to login, login to Echo with your MTS credentials to start the download
 - When the download completes, run the .exe to install the Windows application
 - Launch the application and login with your MTS email and standard MTS password

MTS Q&A Application Installation

- » Installation of the iOS iPhone / iPad mobile application
 - Tap the iOS Application link **from your device**
 - [iOS Application Installation Link](#)
 - Tap the “Install App” button

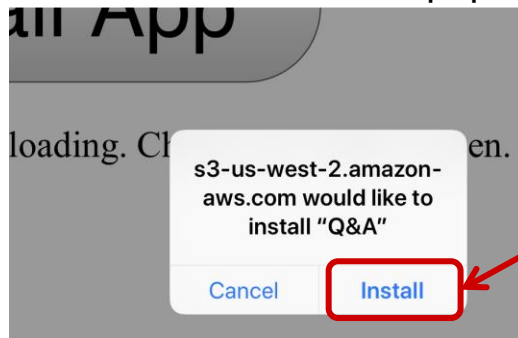


Tap the
Install App
button

MTS Q&A Application Installation

» Installation of the iOS iPhone / iPad mobile application – Continued

- Select “Install from the pop-up.



Tap Install on the pop-up

- The app will begin downloading to your home screen
- You will see either this pop-up or the one on the next page

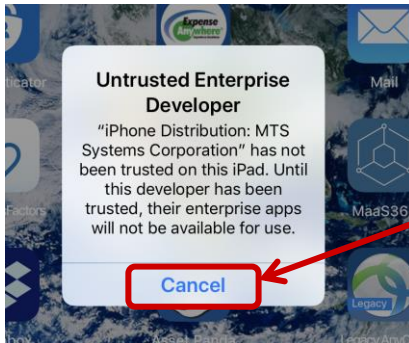
Tap Trust



MTS Q&A Application Installation

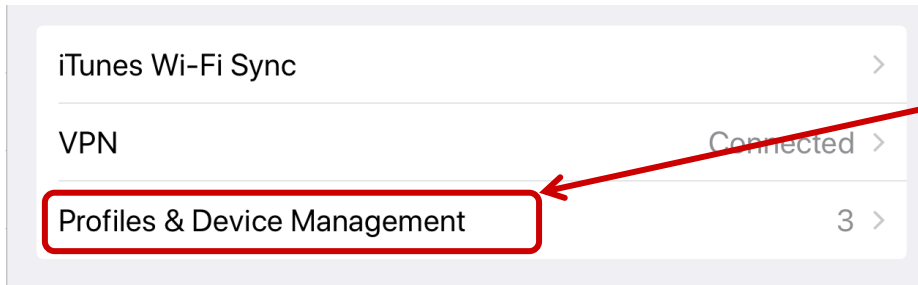
» Installation of the iOS iPhone / iPad mobile application – Continued

- Or you might see this pop-up



Tap Cancel

- Open Settings > General > Device Management or Profiles & Device Management



Tap Profiles & Device Management

MTS Q&A Application Installation

» Installation of the iPhone / iPad mobile application – Continued

- Select MTS Systems Corporation and trust as a developer



Tap MTS Systems Corporation

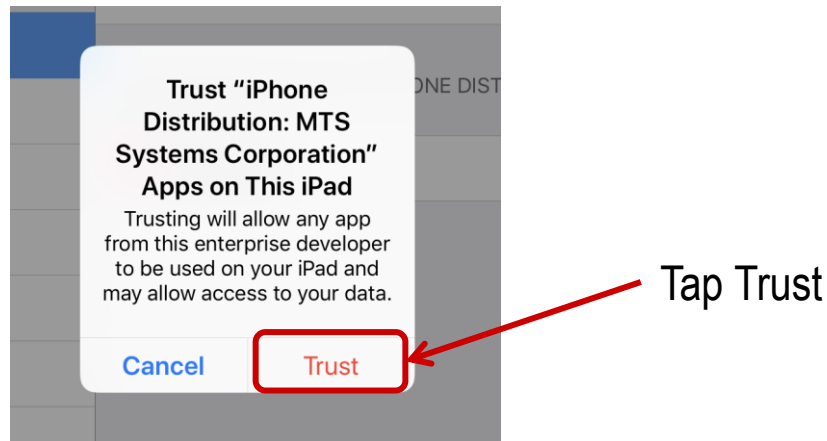
- To set MTS as a trusted developer select Trust “MTS Systems Corporation”



Tap Trust “MTS Systems Corporation”

MTS Q&A Application Installation

- » Installation of the iPhone / iPad mobile application – Continued
 - Select trust on the pop-up

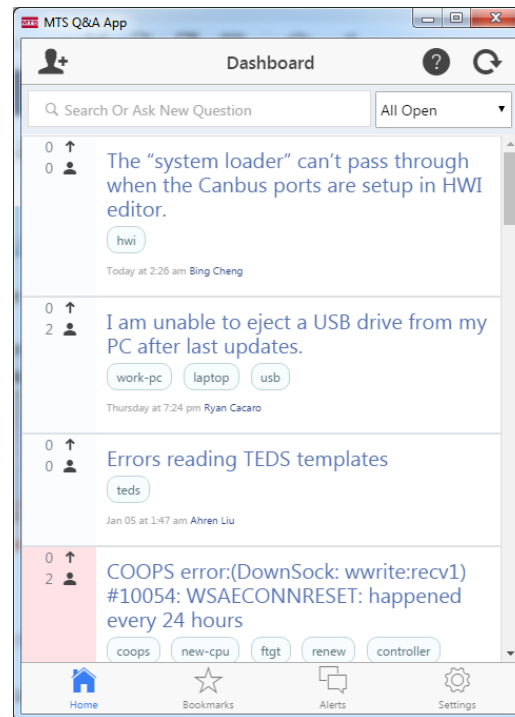


- From the home screen tap the app icon to launch application
- Login with your MTS email and standard MTS password
- Very important that you allow push notifications when prompted

MTS Q&A Application

» MTS Q&A Application Dashboard

- For a detailed explanation of MTS Q&A see link to brochure
- [Link to MTS Q&A Brochure](#)
- Example of MTS Q&A Dashboard

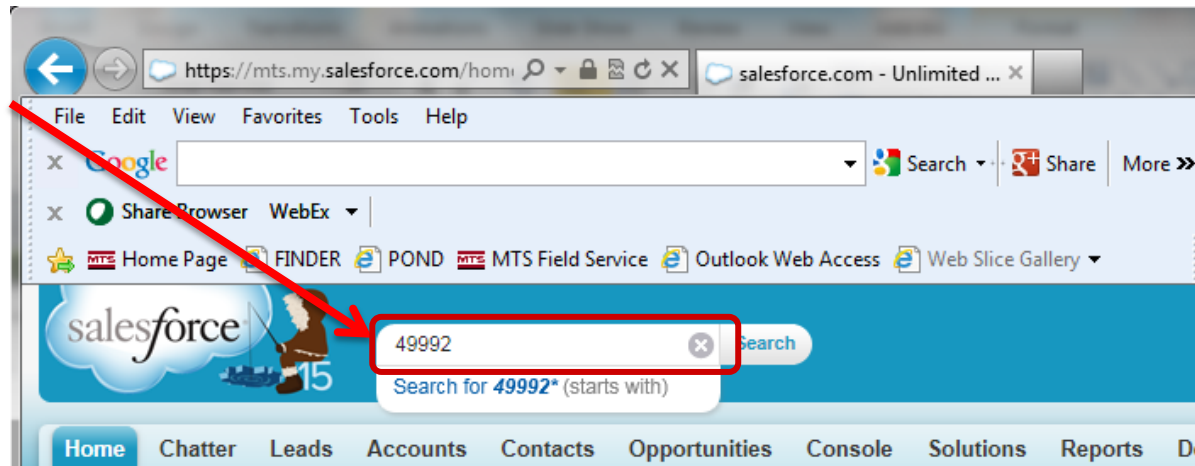


Salesforce.com

- » Salesforce.com is the sales tool used during the quoting and sales process.
 - Can review quote for definition of equipment and services sold
 - Access is limited to customers in your area
- » Use the “Search” window at the top to search for customer name, site, or project number
- » After searching choose the opportunity
 - The quotation can typically be found in either the “Notes and Attachments” Section or the “Newton Quotes” section

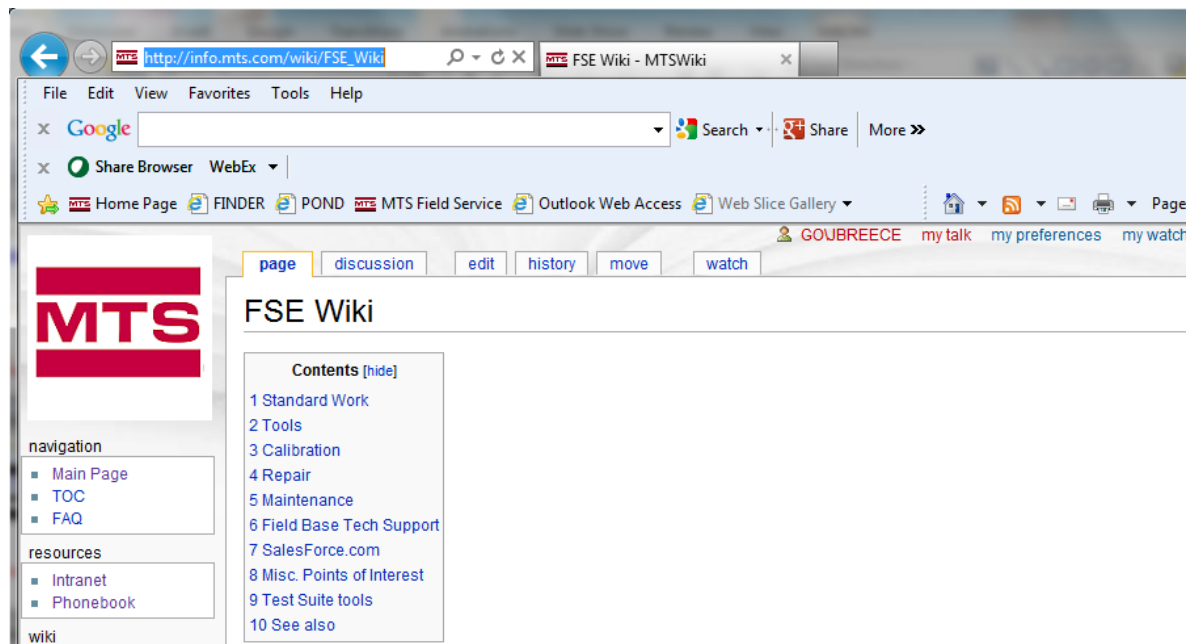
Search criteria

Example: Enter project number



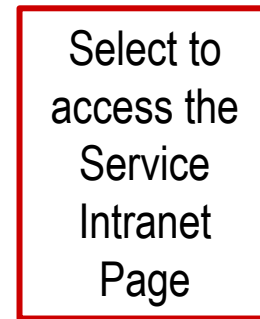
FSE Wiki

- » The FSE Wiki has been created as a general resource for the FSE
 - Any FSE can contribute to the wiki by editing the topic of their choice
 - The FSE Wiki can be found by clicking on the wiki link on the right side of the intranet home page and then searching the wiki for FSE
 - Alternate access http://info.mts.com/wiki/index.php?title=FSE_Wiki



Field Service Intranet Page

- » To access the Field Service Intranet page
 - From the home page at intranet.mts.com select the “Groups” link near the top of the page
 - Select the “Service” link from the groups page
 - Alternate access: <http://spintranet.mts.com/sites/service/fieldService/Pages/default.aspx>



Groups Portal

Documents	Groups	Search	Internet
<ul style="list-style-type: none"> ■ Aero <ul style="list-style-type: none"> ■ Aero Software Eng ■ Aero Documentation ■ Application Engineering ■ Calibration Lab ■ Controllers <ul style="list-style-type: none"> ■ 793 Based Controllers ■ Compliance Engineering SharePoint <ul style="list-style-type: none"> ■ Library - Standards ■ Eden Prairie Front Desk <ul style="list-style-type: none"> ■ Lost and found 	<ul style="list-style-type: none"> ■ Internal Assurance ■ Internal Design Review Meetings (IDRM) ■ Legal Services ■ Library - Standards ■ Manufacturing <ul style="list-style-type: none"> ■ Contacts ■ Machining ■ Materials Management ■ Materials & Process Development ■ Modeling, Design and Analysis ■ Motorsports 		<ul style="list-style-type: none"> ■ Rapid Prototyping - 3D Pri <ul style="list-style-type: none"> ■ Information Page ■ Sharepoint Request Site ■ Sensors <ul style="list-style-type: none"> ■ External Site ■ Intranet Site ■ Service ■ Calibration Equipment ■ Order Services ■ SPD <ul style="list-style-type: none"> ■ MPTL Test Requests

Field Service Intranet Page

» An intranet page for MTS Field Service contains various links for the FSE

- Field Service SharePoint
- Field Service Bulletins
- Field Service Bulletins Downloads
- Automated Calibration System (ACS)
- Legacy Site (Not Maintained)
- Labor Law Posters

Field Service Intranet Page

Field Service SharePoint Link

- » From the Field Service Intranet Page use the Quick Links to access the Field Service SharePoint site.
- » The “Field Service SharePoint” site has many useful links on the left side of the page. See the screen shot of the menu.

QUICK LINKS

- Field Service SharePoint
- Field Service Bulletins
- Field Service Bulletin Downloads
- Automated Calibration System (ACS)
- Legacy Site (Not Maintained)
- Labor Law Posters

Site Actions | Browse | Page

MTS Field Service Home

Field Service | Service Home | Global Consulting

Libraries

- Donna Turner Service Videos - password: mts123
- Echo Lab FSE Videos
- Modular Training
- Product Training

Welcome To the MTS Systems Corporation, Field Service Web page!

New Items

Site Actions

MTS Field Service

Field Service | Service

Libraries

- Donna Turner Service Videos - password: mts123
- Echo Lab FSE Videos
- Modular Training
- Product Training
- FSE - How To
- Click / CRM Tips and Tricks
- FSB's

Lists

- Calendar
- Tasks
- Who Has What - NA
- Asset Management - ASIA
- Asset Management - EURO
- Important Links
- Service-Ops Appointment Calendar

Discussions

- Team Discussion

Field Service Bulletin SharePoint (FSB"s)

- » Field Service Bulletin's (FSB)
 - Background technical information alerting to possible issues
 - Give details on systems affected and troubleshooting
 - Give part numbers should parts be required
 - Give reference material
 - Advise if issue covered under warranty

- » Field Service Bulletin (FSB) Access Location
 - Current FSB's are located in the Field Service Share Point
 - » All information in one place
 - » Easier to navigate
 - Legacy FSB's are located on one of the Corporate servers
 - » Harder to access
 - » Information in several places
 - » All legacy FSB's will be moved to Field Service Share Point

Field Service Bulletin SharePoint

- » Field Service Bulletin's (FSB's) are located on the Field Service SharePoint site.
- » Select "FSB's" on left.
- » NOTE: Field Service Bulletins released October 2018 and later will be listed here.
- » Field Service Bulletins released prior to October 2018 will be found using links on the Legacy Field Service Page.

Site Actions Browse Page

MTS Field Service [Home](#)

Field Service Service Home Global Consulting

Libraries

- Donna Turner Service Videos - password: mts123
- Echo Lab FSE Videos
- Modular Training
- Product Training
- FSE - How To
- Click / CRM Tips and Tricks
- FSB's**

Lists

- Calendar
- Tasks
- Who Has What - NA

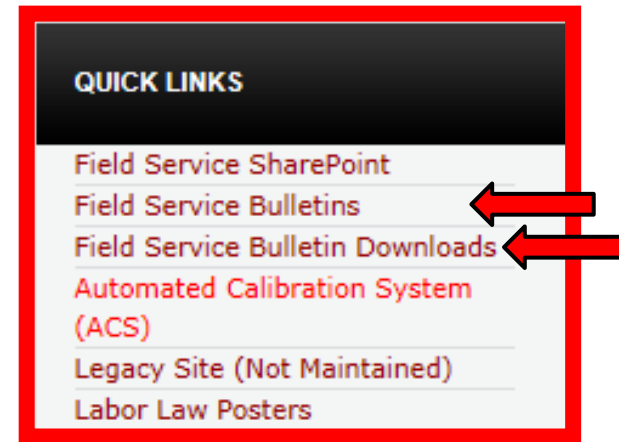
Welcome To the MTS Systems Corporation, Field Service We

New Items

Date Added	Title
March 08, 2016	Donna Turner Service Update Video: Issue 1 Password: mts123

Field Service Bulletin link & Field Service Bulletin Downloads link

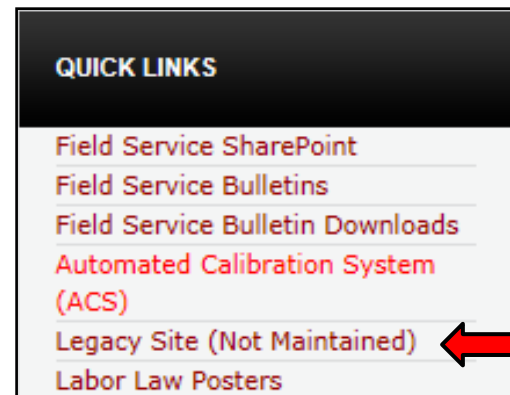
- » From the Field Service Intranet Page use the Quick Links to access the Field Service Bulletins.
- » These links will direct you to Field Service Bulletins located on the Field Service SharePoint site.
- » These two links on the Field Service Intranet Page take you to the same site and are an alternative way to get to the Field Service Bulletins located on the Field Service SharePoint site.



Legacy Field Service Intranet Page

- » To access the Legacy Field Service intranet page
 - **NOTE: This Legacy page will not be maintained.**
 - From the home page at intranet.mts.com click the “Groups” link near the top of the page
 - Select the “Service” link from the groups page to take you to Field Service page
 - Use the link at right to connect to the Legacy Site

- » Legacy MTS Field Service contains various FSE related topics
 - Service Kit part numbers and parts lists
 - Legacy Field Service Bulletin archive
 - ACS FAQ and information
 - Other support topics



Use link on Field Service page to access the Legacy site.

Legacy Field Service Intranet Page

» From the Field Service Share Point Page there is an alternative link to the Legacy FSB's and Downloads right at the bottom of the FSB's page.

The screenshot shows a SharePoint interface for 'Field Service' with a breadcrumb trail: 'Field Service > FSB's > All Documents'. The left sidebar contains navigation options like 'Libraries', 'Lists', and 'Discussions'. The main content area displays a list of folders representing Field Service Bulletins (FSB) numbered 440 to 457, plus a 'Distribution List' and a 'Legacy FSB's and Downloads' folder. The 'Legacy FSB's and Downloads' folder is highlighted with a red box, and a red arrow points to it from a callout box on the right.

Type	Name
Folder	FSB 440 - 793 Software Windows 10 Compatibility
Folder	FSB 441 - Landmark Lift Cylinders Bend Under Load
Folder	FSB 442 - FlexDAC Measured Excitation Issue
Folder	FSB 443 - TEDS Chip Obsolescence
Folder	FSB 444 - FlexDAC Incorrect Timestamp Issue
Folder	FSB 445 - Adapter and Pressure Switch Ejection at High Pressure
Folder	FSB 446 - JEM Low Flow Manifold Issue
Folder	FSB 447 - New Single Shunt Resistors Kit
Folder	FSB 448 - Model 111 series accumulators loosening - Docs
Folder	FSB 449 - Criterion C64 Grip Handle failure - Docs
Folder	FSB 450 - Kepner Check Valve Replacement - Docs
Folder	FSB 451 -793 6.1A Software Release
Folder	FSB 452 - TestSuite V4.4 release-ANDY HARKISON - Docs
Folder	FSB 453 - Furnace Temp Controller Error Correction
Folder	FSB 454 - 494.74-1 replaces 493.74 Two-Station HSM Interface Board- PER DANZEL
Folder	FSB 455 - Pressure Settings for Proof Pressures-TYLER KUHLMANN
Folder	FSB 456 - 793 Software LVDT Feedback Polarity Inversion Issue
Folder	FSB 457 - Flat-Trac CTplus Electric Drive Resistor Overheating
Folder	FSB Distribution List
Folder	Legacy FSB's and Downloads

Select to access the Legacy Field Service Bulletin Information Page

Legacy Field Service Page

Open Loop - Field Service Intranet Page



MTS FSE MODULAR TRAINING

» **NOTE: Only Field Service Bulletins earlier than October 2018 will be located on the Legacy Field Service Page.**

http://groups.mts.com/fieldservice/ MTS Field Service

File Edit View Favorites Tools Help

Share Browser WebEx

MTS North American Field Service Operation (NAFSO)
OPEN LOOP-THE FIELD SERVICE PAGE

The purpose of this page is to act as a collection point for information useful to Field Service and MTS in general. Most of the areas listed below are open to MTS employees, but you may find one or two that require a password and are restricted. Drop us a note if you have comments.

[Service Documents](#)

[Service Metrics](#) - TO BE RETIRED

[Service Kits](#)

[Service Updates & Upgrades](#)

[Field Service SharePoint Site](#)

[Sales Support Home Page](#)

[Customer PC Warranty Information](#)

[Calibration Equipment Scheduler](#)

[Service Order Cost & Storage Location Report](#)

[Service Report Page](#) - TO BE RETIRED

[Field Service Bulletin File Downloads](#) HOLUB

[MAPICS database search page](#)

[Important Links](#)

[ACS Home Page](#)

[793 Platform Support](#) LINK DEAD

[Grips, Fixtures, Chambers & Furnaces](#) LINK DEAD

[General Software Support](#) LINK DEAD

[790 Platform Support](#) LINK DEAD

[NAFSO Data Directory](#)

[SSD Management Reports](#) - TO BE RETIRED

[Link to Service Quality Documents](#)

[Service Quality Site](#)

[FSE Calibration Uploads](#)

[Useful Information for FSE's](#)

[Crosshead Speed Page](#)

[Field Service Bulletins Info Page](#) HOLUB

[Technical Notes Info Page](#) HOLUB

Click here to send a comment

Last updated on 06/17/2016 Visited: 000000

100%

Legacy Field Service Page Field Service Bulletin Access

Select to
access FSB
File
Download
Page

[Equipment Scheduler](#)

[Service Report & Storage Location Report](#)

[Service Report Page](#) - TO BE RETIRED

[Field Service Bulletin File Downloads](#) HOLUB

[MAPICS database search page](#)

[Important Links](#)

Select to
access the
FSB
Information
Page

[Quality Site](#)

[Information Uploads](#)

[Information for FSE's](#)

[Crosshead Speed Page](#)

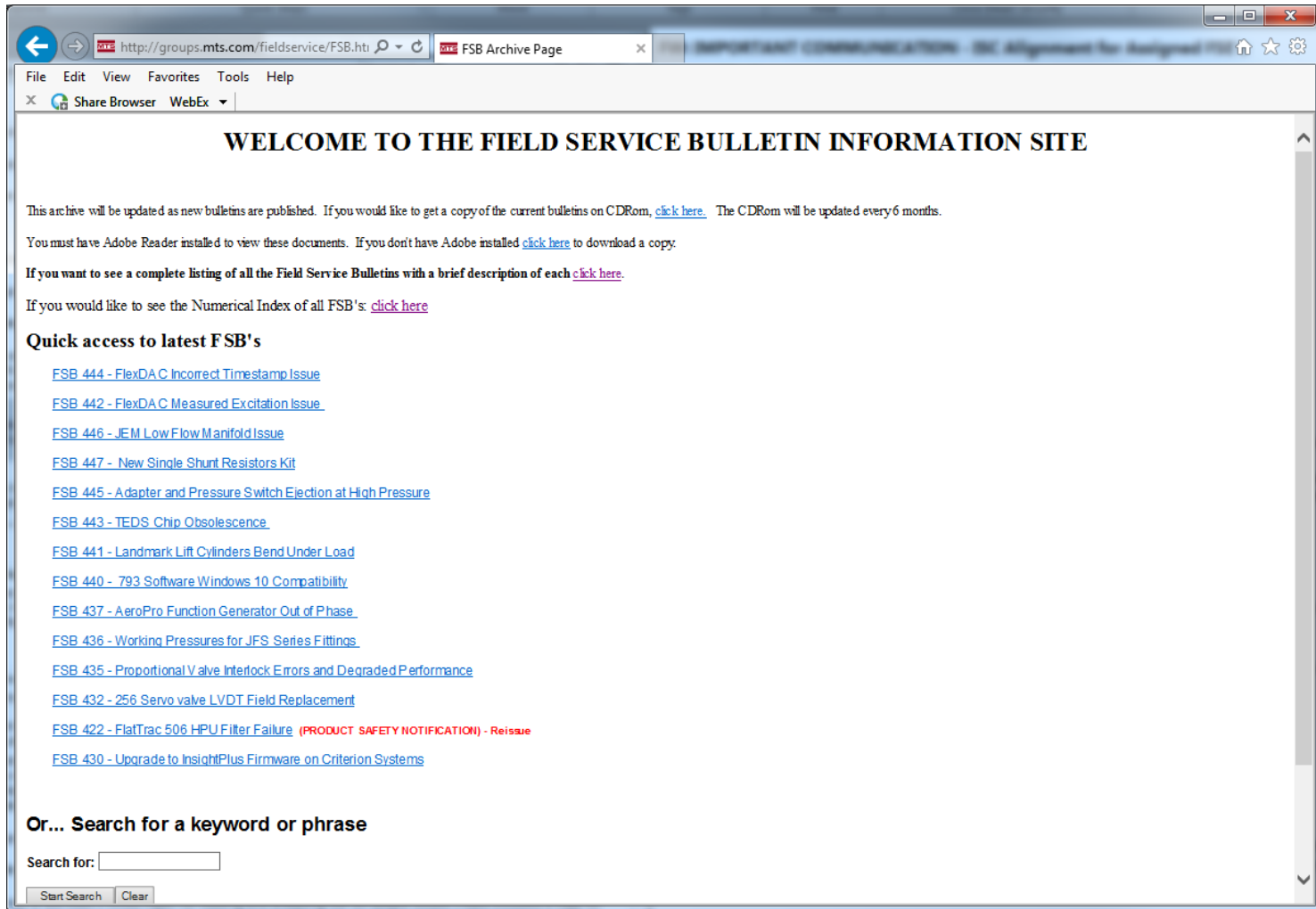
[Field Service Bulletins Info Page](#)

HOLUB

[Technical Notes Info Page](#) HOLUB

Click here to  send a comment

Legacy Field Service Page Field Service Bulletin Page



WELCOME TO THE FIELD SERVICE BULLETIN INFORMATION SITE

This archive will be updated as new bulletins are published. If you would like to get a copy of the current bulletins on CDROM, [click here](#). The CDROM will be updated every 6 months.

You must have Adobe Reader installed to view these documents. If you don't have Adobe installed [click here](#) to download a copy.

If you want to see a complete listing of all the Field Service Bulletins with a brief description of each [click here](#).

If you would like to see the Numerical Index of all FSB's: [click here](#)

Quick access to latest FSB's

- [FSB 444 - FlexDAC Incorrect Timestamp Issue](#)
- [FSB 442 - FlexDAC Measured Excitation Issue](#)
- [FSB 446 - JEM Low Flow Manifold Issue](#)
- [FSB 447 - New Single Shunt Resistors Kit](#)
- [FSB 445 - Adapter and Pressure Switch Ejection at High Pressure](#)
- [FSB 443 - TEDS Chip Obsolescence](#)
- [FSB 441 - Landmark Lift Cylinders Bend Under Load](#)
- [FSB 440 - 793 Software Windows 10 Compatibility](#)
- [FSB 437 - AeroPro Function Generator Out of Phase](#)
- [FSB 436 - Working Pressures for JFS Series Fittings](#)
- [FSB 435 - Proportional Valve Interlock Errors and Degraded Performance](#)
- [FSB 432 - 256 Servo valve LVDT Field Replacement](#)
- [FSB 422 - FlatTrac 506 HPU Filter Failure \(PRODUCT SAFETY NOTIFICATION\) - Reissue](#)
- [FSB 430 - Upgrade to InsightPlus Firmware on Criterion Systems](#)

Or... Search for a keyword or phrase

Search for:


Legacy Field Service Page

Field Service Bulletin File Download Page



MTS FSE MODULAR TRAINING

NAFSO Field Service Bulletin

 File Download Page

This page is where files that are linked to FSB's are accessible for download. The files are stored in various formats so in order to save the file(s) to your computer, right click on the file and select "SaveTarget As..."

Filename	Version	FSB Ref	Date
Testthelink.txt	1	262	8.17.2005
Sbc.dll	4.8.868.1	262	7/6/2004
EmGotoHoldTestSegment.brk	4.8.868.1	262	3/3/2005
UIBase.exe	Self Extracting Zip	262	8/24/2005
Installation_Instructions.txt	1	264	3.13.2006
platform.dll	4.9.878.0	264	3.10.2006
TestWorks 4.09A Notification Letter	1	264	3/14/2006
version.sys	1	264	3/10/2006
Installation_Instructions.txt	1	266	4/27/2006
platform.dll	4.9.891.0	266	4/27/2006
TestWorks 4 09A Build 891 Notification Letter	1	266	4/27/2006
version.sys	1	266	4/27/2006
EM2004.dll	4.9.891.0	266	4/27/2006
860v3 3.32 SP1.iso	Burn to separate CD	271	9/15/2006
860v3 3.50 SP1.iso	Burn to separate CD	271	9/15/2006
rt3 2.35 SP1.iso	Burn to separate CD	271	9/15/2006