

**INSTRUCTIONS TO CONVERT TELETYPEWRITER EQUIPMENT  
FROM 7.00 UNIT CODE TO 7.42 UNIT CODE AND 60, 75, 100  
WPM (USING 194263, 194264, 194265, 194266, 194895 MODIFICATION  
KIT) OR 60, 67, 100 WPM, 45.5, 50, 74.2 BAUD (USING  
199913, 199914, 199915 MODIFICATION KIT) SPEEDS**

**1. GENERAL**

- a. The 194262 or 199913 Modification Kit is used to modify Distributor-Transmitter, Teletypewriter TT-187B/UG, covered in NAVSHIPS 92733(A).
- b. The 194263 Modification Kit is used to modify Perforator - Reperforator, Teletypewriter TT-192A/UG, covered in NAVSHIPS 94456.
- c. The 194264 or 199914 Modification Kit is used to modify Perforator - Reperforator, Teletypewriter TT-253A/UG, Teletypewriter TT-47H/UG, TT-48D/UG, TT-69D/UG, TT-128B/UG, TT-176B/UG, covered in NAVSHIPS 94456 or 93241.
- d. The 194265 or 199915 Modification Kit is used to modify Teletypewriter AN/UGC-16, AN/UGC-18, covered in NAVSHIPS 93534.
- e. The 194895 Modification Kit is used to modify a Model 28 Multiple Page Printer Set AN/FGC-74, AN/FGC-74X covered in NAVSHIPS 94460.
- f. The 194266 Modification Kit is used to modify Teletypewriter AN/UGC-15, covered in NAVSHIPS 93534.
- g. Component parts in the modification kit are listed in Table 1.

**2. INSTALLATION**

- a. 194262 or 199913 Modification Kit for Distributor-Transmitter TT-187B/UG.
  - (1) On Distributor-Transmitter LXD11 (TT-311/UG), replace the 164285 Cam Shaft with the 156836 Cam Shaft.
  - (2) On Base LXDB4, replace the present gear set with the 156658 (60 WPM), 176152 (67 WPM), 156728 (75 WPM), or 156659 (100 WPM) Gear Set.
  - (3) Remove backing from the 194269 or 199912 Identification Plate and apply plate (on clean surface) below the existing overall set plate.

b. 194263 Modification Kit for Perforator - Reperforator TT-192A/UG.

(1) On Base LRB31, replace:

- (a) 176072 Gear with 158712 Gear.
- (b) 176071 Gear with 158716 Gear.
- (c) 176099 Gear with 158732 Gear.
- (d) 163262 Gear with 158734 Gear; three 151732 Screws with 150089 Screws.
- (e) 176078 Bracket with 194880 Bracket.

(2) Follow procedure in Paragraph 2.a.(3).

c. 194265 or 199915 Modification Kit for Teletypewriter AN/UGC-16,  
AN/UGC-18.

(1) On Keyboard LAK31ARN (TT-371/UG), LAK31ARE (TT-377/UG) replace:

- (a) 163519 Gear Sleeve with 154032 Gear Sleeve.
- (b) 163368 Cam with 154154 Cam.
- (c) 163460 Gear with 163440 Gear.
- (d) Present gear set with 161293 (60 WPM), 152766 (67 WPM), 161294 (75 WPM) or 161295 (100 WPM) Gear Set.

(2) On Automatic Typewriter LP108RN/AY (TT-372/UG), LP108RE/ACX (TT-378/UG) replace:

- (a) 163503 Gear with 150441 Gear.
- (b) 163459 Gear and 150440 Hub (if present) with 163590 Gear.

(3) On Typing Reperforator, LPR51BWA (TT-373/UG), LPR51BRH (TT-379/UG), replace the present gear set with the 163023 (60 WPM), 163457 (67 WPM), 163024 (75 WPM), or 163025 (100 WPM) Gear Set.

(4) On Reperforator Base (Aux.) LRB42 (MT-2272/UG), replace:

- (a) 179963 Gear with 158712 Gear.
- (b) 179962 Gear with 158716 Gear.
- (c) For the 194265 Modification Kit, 178870 Gear with 158732 Gear; 163262 Gear and 178910 Spacer with 158734 Gear; three 151733 Screws with 150089 Screws.
- (d) 192680 Index Plate with 161797 or 178885 Plate.

- (5) On Distributor - Transmitter LXD11 (TT-311/UG), replace the 164285 Cam Shaft with the 156836 Cam Shaft.
  - (6) On Base LCXB13 (MT-2452/UG), replace the present gear set with the 158027 (100 WPM), 161356 (67 WPM), 158028 (75 WPM), or 158029 (60 WPM) Gear Set.
  - (7) Follow procedure in Paragraph 2.a.(3).
- d. 194264 or 199914 Modification Kit.
- (1) For Perforator - Reperforator TT-253A/UG.
    - (a) On Keyboard LTRK5, follow procedure in Paragraphs 2.c.(1) through 2.c.(1)(d) and 2.a.(3).
    - (b) On cross shaft assembly, follow procedure in Paragraph 2.c.(2)(a) and (b).
  - (2) For Teletypewriter TT-47H/UG, TT-48D/UG, TT-69D/UG, TT-128B/UG, TT-176B/UG.
    - (a) On Keyboard LK35ARN (TT-388/UG), LK35ARE (TT-389/UG), LK30ARN (TT-357/UG) follow procedure in Paragraphs 2.c.(1) through 2.c.(1)(d).
    - (b) On Automatic Typewriter LP108RN/AY (TT-372/UG), LP108RE/ACX (TT-378/UG), LP105RN/AGB (TT-358/UG) follow procedure in Paragraphs 2.c.(2)(a) and (b).
    - (c) On cabinet, follow procedure in Paragraph 2.a.(3).
- e. 194895 Modification Kit for Model 28 Multiple Page Printer Set AN/FGC-74X.
- (1) On Keyboard LK36ARN (TT-385/UG) and Cabinet LBAC241BR (CY-3689/FGC-74), follow procedure in Paragraphs 2.c.(1) through 2.c.(1)(d).
  - (2) On Automatic Typewriter LP109RN/AY (TT-386/UG), follow procedure in Paragraph 2.c.(2).
  - (3) Follow procedure in Paragraph 2.a.(3).
- f. 194266 Modification Kit for Teletypewriter AN/UGC-15. Follow procedure in Paragraphs 2.c.(1), (2), (3), (5), (6) and (7).

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TABLE 1

MODIFICATION KITS

			X194262	X194263	X194264	X194265	X194266	X194895	X199913	X199914	X199915
2	50138S	Specification	X								
3	150089	Screw		X							
1	150441	Gear			X	X	X			X	X
3	150441	Gear						X			
1	152766	Gear Set								X	X
1	154032	Sleeve, Gear			X	X	X	X		X	X
1	154154	Cam			X	X	X	X		X	X
1	156658	Gear Set	X						X		
1	156659	Gear Set	X						X		
1	156728	Gear Set	X								
1	156836	Cam Shaft	X			X	X		X		X
1	158027	Gear Set				X	X				X
1	158028	Gear Set				X	X				
1	158029	Gear Set				X	X				X
1	158712	Gear, Helical (26T)		X		X					X
1	158716	Gear, Helical (39T)		X		X					X
1	158732	Gear, Helical (24T and 18T)		X		X					
1	158734	Gear, Helical (47T)		X		X					
1	161293	Gear Set			X	X	X			X	X
3	161293	Gear Set						X			
1	161294	Gear Set			X	X	X				
3	161294	Gear Set						X			
1	161295	Gear Set			X	X	X			X	X
3	161295	Gear Set						X			
1	161356	Gear Set									X
1	161797	Plate, Index				X					
1	163023	Gear Set				X	X				X
1	163024	Gear Set				X	X				
1	163025	Gear Set				X	X				X
1	163440	Gear			X	X	X			X	X
3	163440	Gear						X			
1	163457	Gear Set									X
1	163590	Gear			X	X	X			X	X
3	163590	Gear						X			
1	176152	Gear Set							X		
1	178885	Plate, Index									X
1	194269	Plate, Identification	X	X	X	X	X	X			
1	194880	Bracket, Guide	X								
1	199912	Plate, Identification							X	X	X

NAVSHIPS 981562(A)

FIELD CHANGE BULLETIN

EQUIPMENT	FIELD CHANGE NUMBER	FEDERAL STOCK NUMBER	TELETYPE PART NUMBER OR NOMENCLATURE
AN/FGC-74	1		194895
AN/FGC-74X	1		194895
AN/UGC-15	1		194266
AN/UGC-16	1	F5815-073-9423	199915
AN/UGC-18	1	F5815-073-9423	199915
TT-47H/UG	1	F5815-073-9424	199914
TT-48D/UG	1	F5815-073-9424	199914
TT-69D/UG	1	F5815-073-9424	199914
TT-128B/UG	1	F5815-073-9424	199914
TT-176B/UG	1	F5815-073-9424	199914
TT-187B/UG	1	F5815-073-9422	199913
TT-192A/UG	2		194263
TT-253A/UG	1	F5815-073-9424	199914