© 1962 MAMerican Telephone and Telegraph Company Printed in U. S. A.

BELL SYSTEM PRACTICES
Teletypewriter and Data Stations

SECTION P34.001 Issue 5, July, 1962 AT&TCo Standard

ALPHABETICAL INDEX OF 28-TYPE EQUIPMENT BELL SYSTEM PRACTICES AND

ASSOCIATED 28 ASR STATION DRAWINGS

	CONTENTS PA	GE
1.	BELL SYSTEM PRACTICES (P34. SECTIONS)	2
2.	ASSOCIATED BELL SYSTEM PRACTICES	16
3.	ASSOCIATED 28 ASR STATION DRAWINGS	10

ALPHABETICAL INDEX OF 28-TYPE EQUIP.
Page 1 MENT

1. BELL SYSTEM PRACTICES (P34. SECTIONS)

BSP No.

A

Adapter Unit, Reperforator-See Reperforator-Trans-Transmitter mitter Adapter Unit Answer-back Mechanism See specific apparatus Apparatus Cabinet Coding and Description P34.105 P34.550 Lubrication Requirements and Adjustments P34.665 Wiring Diagrams: 28_B P34.323 28LA P34.354 Apparatus Cabinet Cable-turning Section and End Panel Coding and Description P34.105 Automatic Send-Receive (ASR) See Teletypewriter Set, Teletypewriter Set Automatic Send-Receive (ASR) Auxiliary Features Coding and Description P10.382 Disassembly and Reassembly See specific apparatus Lubrication See specific apparatus Requirements and Adjustments: Part of KSR & RO TTYs P34.615 Other Than KSR & RO TTYs See specific apparatus Wiring Diagram See specific apparatus

В

Base, Perforator-Transmitter
Base, Sequence Selector
Base, Tape Teletypewriter

Auxiliary Typing Reperforator

Auxiliary Typing Reperforator

Base

See Perforator-Transmitter-Base See Selector Base and Unit, Sequence See Teletypewriter Base and Cover, Tape

See Reperforator, Auxiliary Typing See Reperforator Base,

Auxiliary Typing

Base, Teletypewriter (Page Printer) See Teletypewriter (Page

Base, Transmitter-Distributor

Base, Typing Reperforator

Base, Typing Reperforator (Auxiliary)

Box, Paper

Coding and Description

Box. Stunt

Box, Type (Typebox)

Printer) Base (KSR & RO) See Transmitter-Distributor Base See Reperforator Base (KSR & RO), Typing See Reperforator Base,

P10.382

See Stuntbox See Typing Unit

Auxiliary Typing

C

Cabinet, Apparatus Cabinet, Teletypewriter Cabinet, Typing Reperforator

Cable-turning Section

Codomat and Codomat Cabinet. 1LA

Copyholder

Coding and Description Requirements and Adjustments

Cover, Tape Teletypewriter

Cover, Teletypewriter (Page Printer)

Cover, Typing Reperforator

Cover Assembly, Distributor Mounting and Cover Assembly, Receiving

Selector Mounting and

Cover Assembly, Transmitter-Distributor Mounting and

ALPHABETICAL INDEX OF 28-TYPE P34.001 EQUIP-MENT

Page 3

See Apparatus Cabinet See Teletypewriter Cabinet See Reperforator Cabinet and Cover, Typing See Apparatus Cabinet Cable-turning Section and End Panel See Part 2

P10.382 P34.615

See Teletypewriter Base and Cover, Tape See Teletypewriter (Page Printer) Cover See Reperforator Cabinet

and Cover, Typing See Distributor Mounting and Cover Assembly

See Selector Mounting and Cover Assembly, Receiving

See Transmitter-Distributor Mounting and Cover Assembly

D

Distributor Coding and Description P34.103 Lubrication P34.510 Requirements and Adjustments P34.630 Wiring Diagram P34.303

Distributor Mounting and Cover Assembly

Wiring Diagram

Distributor, Transmitter

P34.326

See Transmitter-Distrib-11tor

E

Electrical Service Unit

Coding and Description P34.107 (When Issued) Disassembly and Reassembly P34.406 P34.505 Lubrication Requirements and Adjustments P34.622 Wiring Diagrams: 28A & 28B Types 28C Type P34.302 P34.304 28D Type 28D Type 28E Type 28F Type 28G Type 28H & 28J Types P34.309 P34.302 P34.317 P34.318 P34.317 28K Type P34.309 28L Type P34.325 28M Type P34.302 28N Type P34.302 28P Type P34.325 28R & 28S Types P34.302 28LA Type P34.350 28LB Type 28LC Type P34.352

End Panel, Apparatus Cabinet

28LD Type

See Apparatus Cabinet Cable-turning Section and End Panel

P34.351

P34.353

F

Feed, Sprocket
Feedout and Transmitter-Distrib-

utor Control, Page Coding and Description

Coding and Description
Disassembly and Reassembly
Lubrication
Requirements and Adjustments
Wiring Diagram

See Sprocket Feed

P10.382 P10.382 P34.501 P34.615 P34.301

G

Gear (Set of Gears)

Coding and Description
Disassembly and Reassembly
Lubrication
Requirements and Adjustments

Governor (Governed Motor)

P34.**1**06

See specific apparatus See specific apparatus See specific apparatus See Motor Unit

Н

Holder, Copy

Horizontal Tabulation

Housing, Transmitter-Distributor

See Copyholder See Tabulation and Transmitter-Distributor Control, Horizontal See Transmitter-Distributor

Housing

K

Keyboard, Perforator-Transmitter-Base

Keyboard, Tape Teletypewriter

Keyboard, Teletypewriter (Page Printer)

Keyboard, Typing Reperforator

ALPHABETICAL INDEX OF

P34.001

28-TYPE EQUIP-MENT See Perforator-Transmitter-Base See Teletypewriter Base and Cover, Tape See Teletypewriter (Page Printer) Base (KSR & RO) See Reperforator Base (KSR & RO), Typing

L

Lubricants and Lubrication Tools

See Part 2

M

Maintenance Inspections and

Maintenance Tools and Supplies

Mechanisms

Motor Unit

Coding and Description
Disassembly and Reassembly
Lubrication
Requirements and Adjustments
Wiring Diagram

Mounting and Cover Assembly, Distributor

Mounting and Cover Assembly, Receiving Selector Mounting and Cover Assembly, Transmitter-Distributor

Multimagnet Nontyping Reperforator

P34.500

See Part 2

See specific mechanism

P34.106

P34.403

P34.502

P34.611 P34.301

See Distributor Mounting and Cover Assembly

See Selector Mounting and Cover Assembly, Receiving See Transmitter-Distributor Mounting and Cover

Assembly See Reperforator, Multimagnet Nontyping

N

Nontyping Reperforator, Multimagnet

Nontyping Reperforator, Single-Magnet See Reperforator, Multimagnet Nontyping See Reperforator, Single-Magnet Nontyping

P

Page Feedout and Transmitter-Distributor Control

Page Printer

See Feedout and Transmitter-Distributor Control, Page

See Teletypewriter (Page Printer)

Panel, Apparatus Cabinet End

Paper and Tape, Teletypewriter Paper Box

Paper Winder

Perforator-Transmitter-Base

Coding and Description
Disassembly and Reassembly
Lubrication

Requirements and Adjustments

Wiring Diagram

See Apparatus Cabinet Cable-turning Section

and End Panel

See Part 2

See Box, Paper

See Part 2

P34.102 P34.430

P34.530 P34.660

P34.307

R

Receive-only Teletypewriter Apparatus

Receiving Selector

Receiving Selector Mounting and Cover Assembly

Reperforator, Auxiliary Typing

Coding and Description
Disassembly and Reassembly
Installation in ASR TTY
Lubrication

Requirements and Adjustments

Wiring Diagram

Reperforator, Multimagnet Nontyping

Coding and Description
Lubrication

Requirements and Adjustments

Wiring Diagram

Reperforator, Single-Magnet Non-

typing

Coding and Description
Disassembly and Reassembly
Lubrication

Lubrication

Requirements and Adjustments Wiring Diagram

Wiring Diagram

Reperforator, Typing (Auxiliary)

See specific apparatus

See Selector, Receiving See Selector Mounting and Cover Assembly, Receiving

P34.104 P34.425

P34.437 P34.525

P34.651 P34.308

See specific apparatus

P34.532 P34.662

P34.307

See specific apparatus

P34.422 P34.522

P34.650

See specific apparatus

See Reperforator, Auxiliary Typing

ALPHABETICAL

INDEX OF

P34.001

28-TYPE EQUIP-

Page 7

MENT

	BSP No.
Reperforator, Typing	
Coding and Description	P34.104
Disassembly and Reassembly	P34.425
Lubrication	P34.525
Requirements and Adjustments	P34.651
Wiring Diagram	P34.308
Reperforator Base, Auxiliary Typing Coding and Description	P34.104
Disassembly and Reassembly	P34.425
Installation in ASR TTY	P34.437
Lubrication III ASK 111	P34.527
	P34.652
Requirements and Adjustments Wiring Diagram	P34.308
5 5	1 34.300
Reperforator Base (KSR & RO), Typing	
Coding and Description	P34.104
Disassembly and Reassembly	P34.425
Lubrication	P34.527
Requirements and Adjustments	P34.652
Wiring Diagram	P34.308
Reperforator Cabinet and Cover,	
Typing	
Coding and Description	P34.105
Disassembly and Reassembly	P34.425
Lubrication	P34.526
Requirements and Adjustments	P34.654
Wiring Diagrams:	701010
Cabinet for 4 Typing Reper-	P34.310
forators	D24 212
Cabinet for 6 Typing Reper- forators	P34.313
Reperforator Table, Typing	
Coding and Description	P34.105
Reperforator-Transmitter	
Adapter Unit	
Coding and Description	P34.105
Wiring Diagram	P34.322
Reperforator-Transmitter Set	
Coding and Description	P34.104
Assembly and Disassembly	P34.420
Lubrication	See individual components
Requirements and Adjustments	P34.635
Wiring Diagram	P34.305

Reperforator-Transmitter Stand Coding and Description Disassembly and Reassembly Lubrication Requirements and Adjustments Wiring Diagram Reperforator-Transmitter Unit Coding and Description Disassembly and Reassembly Lubrication Requirements and Adjustments Wiring Diagram	P34.104 P34.420 P34.521 P34.616 P34.305 P34.104 P34.420 P34.520 P34.635 P34.305
S	
Section, Cable Turning	See Apparatus Cabinet Cable-turning Section and End Panel
Selector Base and Unit, Sequence Coding and Description Disassembly and Reassembly Lubrication Requirements and Adjustments Wiring Diagram	P34.101 P34.410 P34.535 P34.613 P34.316 See specific apparatus
Selector Mounting and Cover Assembly, Receiving	
Wiring Diagram Selector, Receiving Wiring Diagram	P34.326 P34.32 7
Send-Receive Teletypewriter Apparatus	See specific apparatus
Sequence Selector	See Selector Base and Unit, Sequence
Service Unit, Electrical	See Electrical Service

Unit

See Gear

(ASR)

See Teletypewriter Set, Automatic Send-Receive

ALPHABETICAL INDEX OF 28-TYPE P34.001 EQUIP-Page 9 MENT

Set, Automatic Send-Receive (ASR) Teletypewriter

Set of Gears

BSP No. Set, Keyboard-Send-Receive See Teletypewriter Set, Keyboard-Send-Receive (KSR) or Receive-only (RO) (KSR) or Receive-only Teletypewriter (RO) Set, Multiple-mounted See Transmitter-Distrib-Transmitter-Distributor utor Set, Multiple-mounted Set, Reperforator-Transmitter See Reperforator-Transmitter Set See Transmitter-Distrib-Set, Self-contained Transmitter-Distributor utor Set, Self-contained Set, Stroboscopic Test See Test Set, Stroboscopic Single-Magnet Nontyping See Reperforator, Single-Reperforator Magnet Nontyping Splicer, Tape Description, Installation, and P34.617 Disassembly and Reassembly P34.617 P34.617 Lubrication Requirements and Adjustments P34.617 Schematic Diagram P34.617 P34.312 Wiring Diagram Sprocket Feed Coding and Description P10.382 Disassembly and Reassembly P34.402 Lubrication P34.501 P34.619 Requirements and Adjustments See Reperforator-Stand, Reperforator-Transmitter Transmitter Stand Stationery, Teletypewriter See Part 2 Ribbons and Stroboscopic Test Set See Test Set, Stroboscopic P34.460 Stuntbox Function Parts. Installation of Stuntbox Mechanisms and Princi- P34,461 ples of CDC Assignments on Broadcast Circuit for Air Line Traffic See Selector Base and Stuntbox, Sequence Selector

Stuntbox, Typing Unit

Unit, Sequence See Typing Unit

T

Table, Typing Reperforator	See Reperforator Table,
m 1 1 at 1 m as	Typing
Tabulation and Transmitter-	
Distributor Control, Horizontal	D40 202
Coding and Description	P10.382
Disassembly and Reassembly	P10.382
Lubrication	P34.501
Requirements and Adjustments	P34.618
Wiring Diagram	P34.301
Tabulation and Transmitter-	
Distributor Control, Vertical	
Coding and Description	P10.382
Disassembly and Reassembly	P10.382
Lubrication	P34.501
Requirements and Adjustments	P34.615
Wiring Diagram	P34.301
Tape Splicer	See Splicer, Tape
Tape, Teletypewriter Stationery	See Part 2
and	
Tape Teletypewriter Base and	See Teletypewriter Base
Cover	and Cover, Tape
Tape Typing Unit	See Typing Unit, Tape
Tape Winder	See Part 2
Teletypewriter Auxiliary Features	See Auxiliary Features
Teletypewriter (Page Printer) Base	•
(KSR & RO)	-
Coding and Description	P34.101
Disassembly and Reassembly	P34.404
Lubrication	P34.503
Requirements and Adjustments	P34.620
Wiring Diagram	P34.301
	=
Teletypewriter Base and Cover, Tap Lubrication	P34.509
	P34.609
Requirements and Adjustments	
Wiring Diagram	P3 4.355
Teletypewriter Cabinet	
Coding and Description	P34.105
Disassembly and Reassembly	P34.405
Lubrication	P34.504
Requirements and Adjustments	P34.614
ALPHABETICAL	
INDEX OF	

P34.001

Page 11

EQUIP-

MENT

	BSP No.
Wiring Diagrams:	
As Part of ASR TTY: 28F TTY Cabinet	P34.319
28F TTY Cabinet with 28C ESU	P34.304
28F TTY Cabinet with 28F-1 or 28G ESU	P34.324
28G & 28H TTY Cabinets As Part of KSR & RO TTYs:	P34.314
28LB TTY Cabinet	P34.356
Other Than 28LB TTY Cabinet	P34.302
Teletypewriter (Page Printer) Cover	
Coding and Description	P34.105
Disassembly and Reassembly	P34.405
Lubrication Requirements and Adjustments	P34.504 P34.614
Teletypewriter Cover, Tape	
Teletypewriter Cover, Tape	See Teletypewriter Base and Cover, Tape
Teletypewriter Maintenance Inspections and Tests	P34.500
Teletypewriter Set, Automatic Send-Receive (ASR)	
Coding and Description	P34.102
Assembly Lubrication	P34.435 See individual components
Requirements and Adjustments	P34.435
Wiring Diagram	See individual components
Teletypewriter Set, Automatic Send-Receive (ASR) With Codomat	
Lubrication	See individual components
Requirements and Adjustments	See individual components See individual components
Wiring Diagram	See individual components
Teletypewriter Set, Keyboard Send-Receive (KSR) or Receive	
Only (RO) Coding and Description	P34.101
Disassembly and Reassembly	P34.401
Lubrication	See individual components See individual components
Requirements and Adjustments	See individual components See individual components
Wiring Diagram Teletypewriter Stationery,	See Part 2
Ribbons, Tapes, Etc.	Sec Lait 2

	. <u></u>
Teletypewriter Tools and Mainte- nance Supplies	See Part 2
Test Set, Stroboscopic	
Description and Operating	
Methods:	
28A	P34.805
Wiring Diagrams and Schematics:	:
28A	P34.805
28B	P34.805
Timer, 1LA	See Part 2
Tools and Maintenance Supplies	See Part 2
Transmitter, Reperforator-	See Reperforator-Trans-
, , ,	mitter
Transmitter-Distributor Base	
Coding and Description	P34.103
Disassembly and Reassembly:	
As Part of ASR TTY	P34.435
As Part of Multiple-mounted	P34.418
TD Set	
As Part of Self-contained TD	P34.440
Set	S
Lubrication Requirements and Adjustments:	See specific apparatus
As Part of ASR TTY	P34.435
As Part of Multiple-mounted	P34.63 7
TD Set	101.007
As Part of Self-cointained TD	P34.638
Set	
Wiring Diagram	P34.320
Transmitter-Distributor Base	
Answer-back Mechanism	
Coding and Description	P34.103
Lubrication	P34.541
Requirements and Adjustments	P34.641
Transmitter-Distributor Cover	See Transmitter-Distrib-
Transmitter Distributor Cover	utor Mounting and Cover
	Assembly
Transmitter-Distributor Housing	•
Coding and Description	P34.105
Disassembly and Reassembly	P34.405
Requirements and Adjustments	P34.435
Wiring Diagram	P34.320

P34.001 ALPHABETICAL INDEX OF 28-TYPE EQUIP.
Page 13 MENT

	BSP No.
Transmitter-Distributor Mounting	
and Cover Assembly Coding and Description	P34.103
	P34.440
Disassembly and Reassembly	P34.540
Lubrication	P34.540 P34.638
Requirements and Adjustments	P34.321
Wiring Diagram	F34.321
Transmitter-Distributor Set,	
Multiple-mounted	D04.400
Coding and Description	P34.103
Disassembly and Reassembly	P34.418
Lubrication	P34.518
Requirements and Adjustments	P34.637
Wiring Diagram	See individual components
Transmitter-Distributor Set,	
Self-contained	
Coding and Description	P34.103
Disassembly and Reassembly	P34.440
Lubrication	P34.540
Requirements and Adjustments	P34.638
Wiring Diagram	See individual components
Transmitter-Distributor Unit	
Coding and Description	P34.103
Disassembly and Reassembly:	
28B Type	P34.412
28B Type 28C Type	P34.413
28E & 28H Types 28F & 28G Types	P34.414
28F & 28G Types	P34.415
28LA & 28LB Types	P34.415
Lubrication:	
28B Type	P34.603
28C Type	P34.602
28E & 28H Types	P34.604
28F & 28G Types	P34.514
28LA & 28LB Types	P34.514
Requirements and Adjustments:	
28B Type	P34.632
28C Type	P34.631
28E & 28H Types	P34.633
28E & 28H Types 28F & 28G Types	P34.634
28LA & 28LB Types	P34.634
Wiring Diagrams:	
28B & 28C Types	P34.306
28E, 28F, 28G, 28H, & 28LA	P34.315
Types	j

Turning Section, Cable See Apparatus Cabinet Cable-turning Section and End Panel Typebox See Typing Unit Typing Reperforator See Reperforator, Typing Typing Reperforator (Auxiliary) See Reperforator. Auxiliary Typing Typing Unit (Page Printer) Including Selector Mechanism and Typebox Coding and Description P34.101 Disassembly and Reassembly P34.402 P34.501 Lubrication Requirements and Adjustments P34.612 P34.301 Wiring Diagram Typing Unit, Tape Lubrication P34.509 Requirements and Adjustments P34.609

U

P34.355

Unit, Electrical Service
Unit, Motor
Unit, (Mechanism), Nontyping
Reperforator
Unit, Reperforator-Transmitter
Unit, Reperforator-Transmitter
Adapter
Unit, Sequence Selector
Unit, Transmitter-Distributor

Wiring Diagram

Unit, Typing Unit, Typing Reperforator See Electrical Service Unit
See Motor Unit
See Reperforator, Nontyping
See ReperforatorTransmitter Unit
See ReperforatorTransmitter Adapter Unit
See Selector Base and
Unit, Sequence
See TransmitterDistributor Unit
See Typing Unit
See Reperforator and
Base, Typing

Page 15

ALPHABETICAL INDEX OF 28-TYPE EQUIP-

v

Vertical Tabulation

See Tabulation and Transmitter-Distributor Control, Vertical

BSP No.

w

Winder, Paper Winder, Tape See Part 2 See Part 2

2. ASSOCIATED BELL SYSTEM PRACTICES

Codomat 1LA Codomat and 1LA Codomat Cabinet, Requirements, Adjustments, Lubrication, and Wiring Diagram	P31.551
Indexes and Checking Lists Alphabetical Index of All P Series BSPs Checking List of All P Series BSPs Other Than Division P9 BSPs	P10.200 P10.301
Checking List of P Series, Division P9 BSPs, Installation Drawings, and Change Notices Checking List of Teletype Corporation Parts Bulletins and Correction Sheets Topical Index and Checking List of Teletype Corporation S Specifications	P10.329 P10.383 P10.382
Paper and Tape Winders Paper Winder (15 Type) Installation and Maintenance Tape Winder (4A, Motor Driven) Description and Maintenance Wiring Diagram	P31.119 P31.118.1 P34.311
Power Supply Power Supply for Teletypewriter Apparatus	P30.019

	BSP No
Routines And Procedures	
Cleaning (General)	P30.010
Disassembly and Reassembly (General)	P30.013
Lubrication (General)	P30.011
Preparation of TTY Apparatus for Installation	P33.014
Requirements and Adjustments (General)	P30.012
Speed Regulation	
Teletypewriter Apparatus, Speed Regulation	P30.020
Transmission Measuring Sets, Test Sets, and	
Testing	
TTY Stations, Local Receiving Tolerance Tests	
Using Portable Equipment for the Test Signals and the Test Current	P30.004
TTY Stations, Orientation and Distortion Tests	P30.004
120D2 TTY Subscriber Set	P31.242
120C4 TTY Subscriber Set	P31.233
130-type TTY Subscriber Sets With 43A1 Carrier	101.200
Telegraph Terminal	P31.234
164C1 and 164C3 TTY Transmission Measuring	
Sets	P31.405
Timer	
1LA Timer, Requirements, Adjustments, Lubrication, and Wiring Diagram	P31.552
Tools, Maintenance Supplies, and Stationery	
Papers, Tapes, and Ribbons	P30.022
Tools and Maintenance Supplies	P30.301

ALPHABETICAL INDEX OF 28-TYPE EQUIP.
Page 17 MENT

3. ASSOCIATED 28 ASR STATION DRAWINGS (NOT IN BELL SYSTEM PRACTICES)

Subject	Drawing No.
Private Line Stations	
Full-duplex Operation	SD-70889-01
Full-duplex Operations, With 130C1 Subset	SD-70891-01
Half-duplex, With Break Transfer Feature, With or Without Keyboard Sending and Elec- trical Motor Control	SD-70885-01
Half-duplex, Without Break Transfer Feature, With or Without Electrical Motor Control	SD-70888-01
Half-duplex Operation, With 128B2 Subset, With or Without Electrical Motor Control	SD-70892-01
Half-duplex Operation, With 130C1 Subset, With or Without Electrical Motor Control	SD-70890-01
TWX Stations (Attended or Unattended)	
128C3 Subset With 120C2 Subset	SD-70896-01
130C1 Subset With 120C4 Subset	SD-70895-01
TTY Line Concentrating Units 101A and 102A With 120C4 Subset	SD-70897-01
TTY Switchboard No. 1 or 1A, or TTY Line Concentrating Unit No. 101B, With 120D2 Subset	SD-70893-01
TTY Switchboard No. 3A, 3C, 5, or 67A2, or Multisection Line Terminating in Loop, With 120C4 Subset	SD-70894-01