



FERRANTI

TAPCHANGERS

MAINTENANCE PARTS MANUAL ON LOAD TAPCHANGING EQUIPMENT

ES3



UNITS 8/9
SOUTHLINK BUSINESS PARK
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ISSUE 3 (APRIL 2024)

ES3 TAPCHANGER GENERAL VIEW

ITEM 1

TOP TERMINAL COVER GASKET

TC-202630002

ITEM 2

TOP OIL LEVEL SIGHT GASKET

TC-224068003

ITEM 3

TOP OIL LEVEL SIGHT WINDOW

TC-224068002

ITEM 4

**OIL SURGE /LOW LEVEL
TERMINAL COVER GASKET**

TC-209053

WITH OPTIONAL OIL SURGE / LOW OIL LEVEL RELAY FITTED.

ITEM 5

AIR RELEASE VALVE TC-202050

ITEM 7

**TOP OIL LEVEL
SIGHT GASKET**

TC-202630001

ITEM 6

**TOP OIL LEVEL SIGHT WINDOW
TC-202628**

ITEM 8

**GEARBOX OIL
SIGHT WINDOW
TC-202643**

**SWITCH
COMPARTMENT
(DIVERTER/
SELECTOR)**

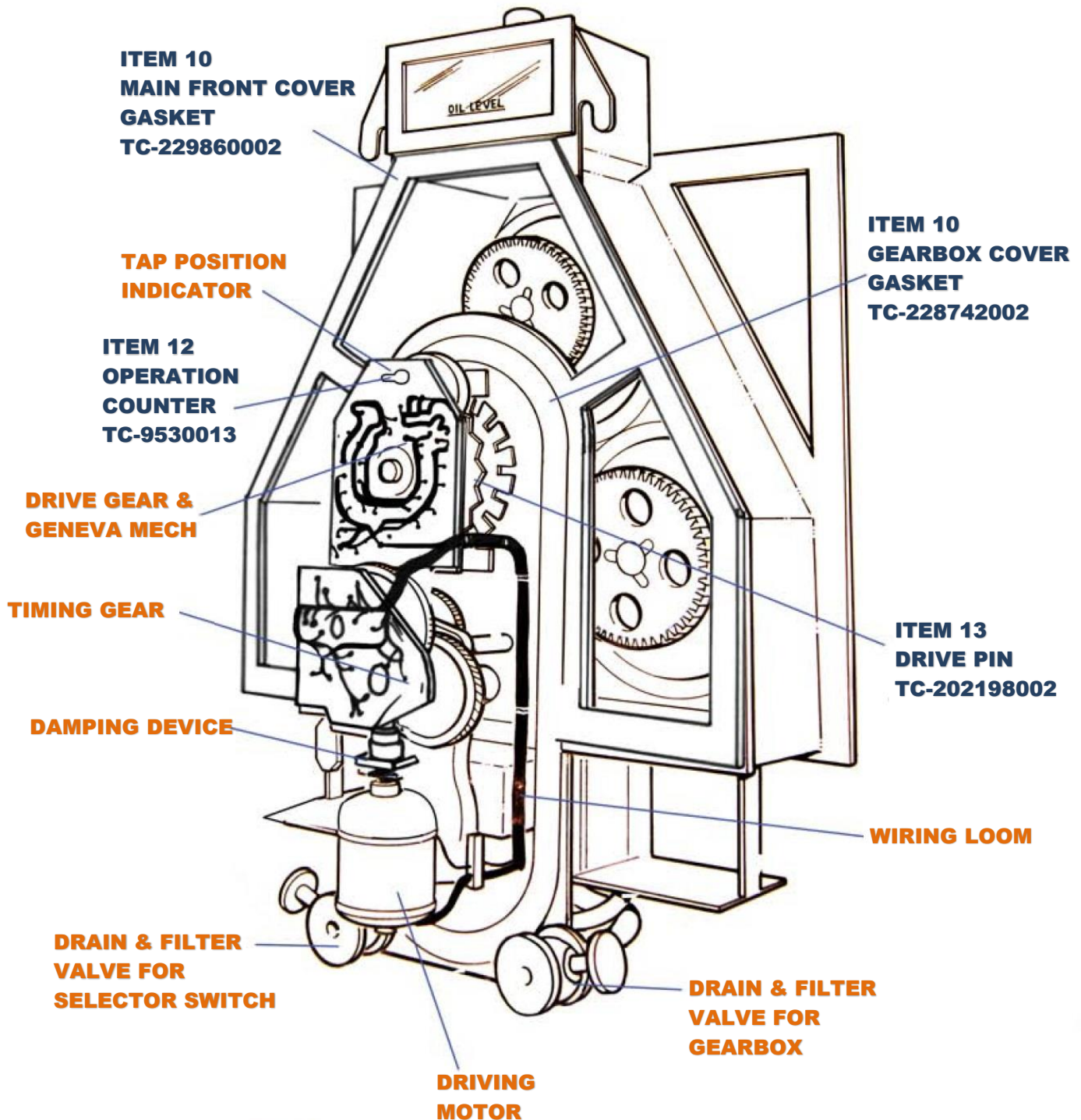
ITEM 9

**GEARBOX OIL
SIGHT GASKET
TC-202645**

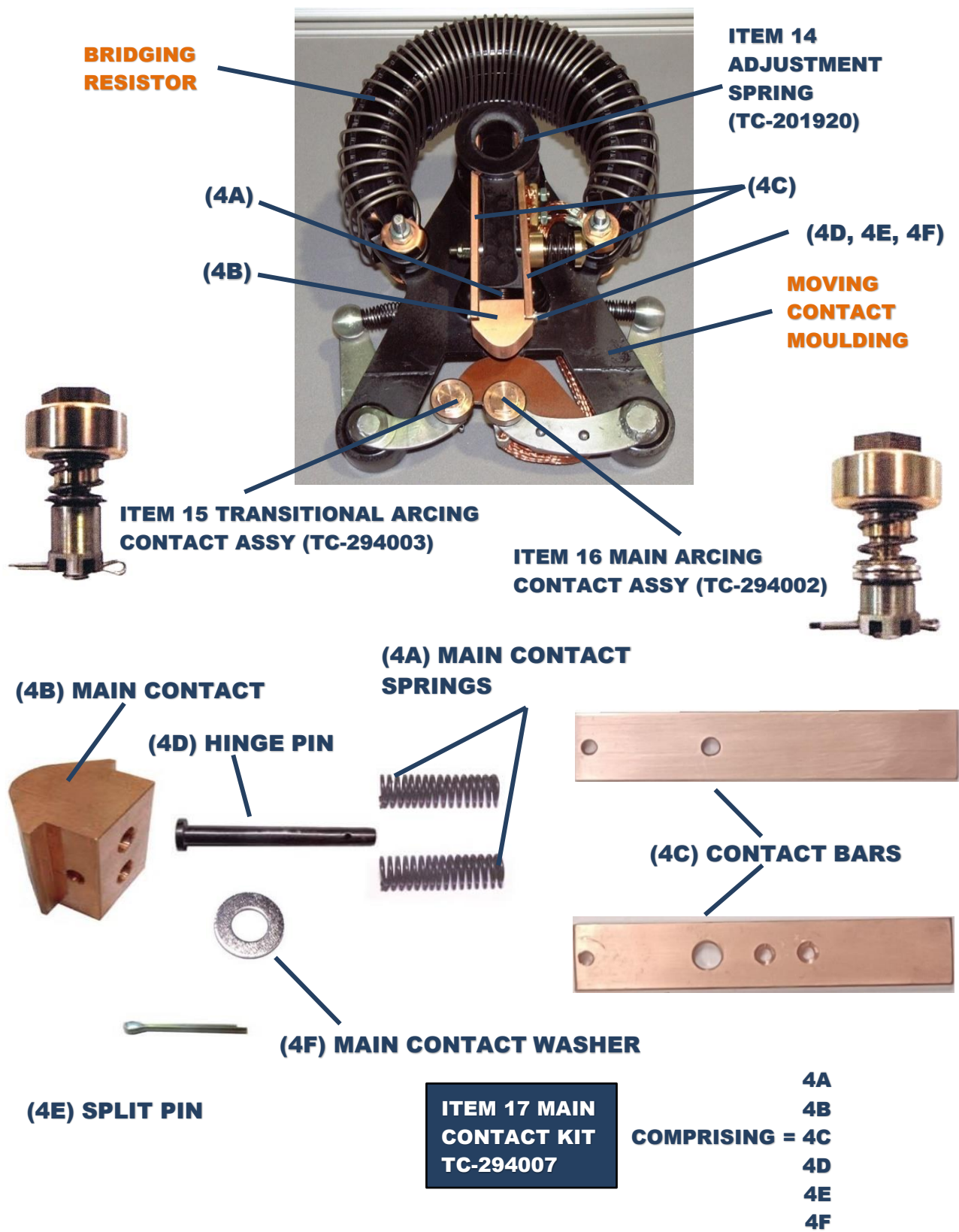
**DRIVING MOTOR
AND TIMING GEAR
COMPARTMENT**

**HAND OPERATION
SCREWED CAP**

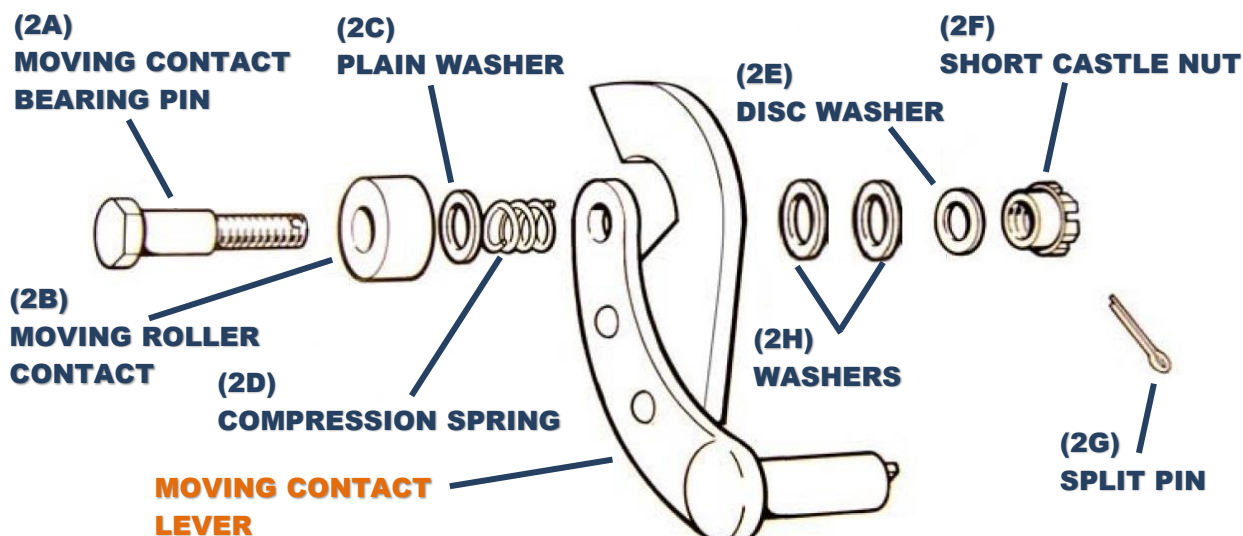
GENERAL VIEW OF ES3 TAPCHANGER WITH COVERS REMOVED



ES3 MOVING CONTACT ARM COMPONENTS AND ASSEMBLY



EXPLODED VIEW OF ES3 MAIN ARCING CONTACT

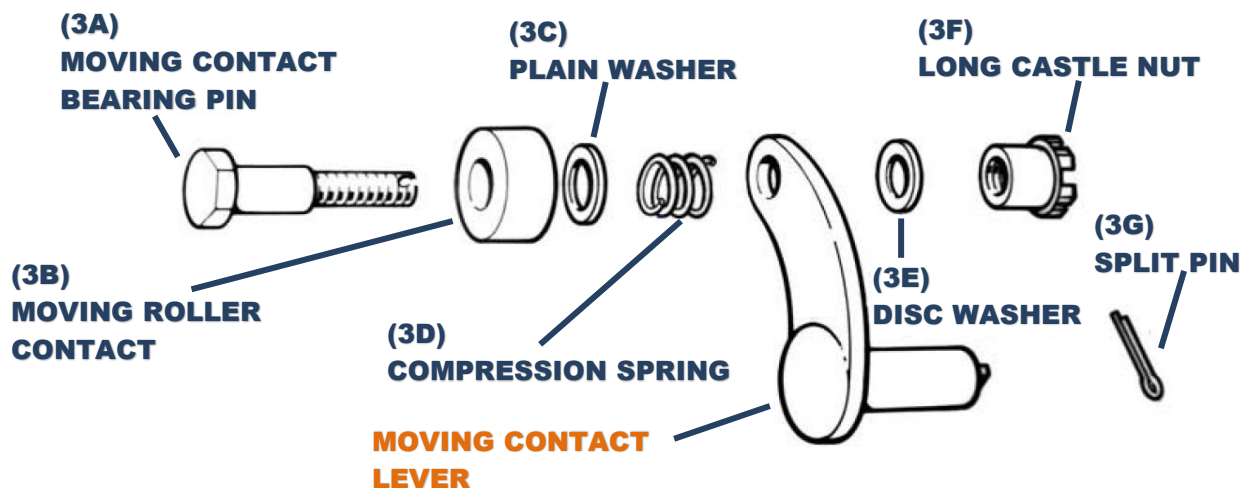


ITEM 16
ROLLER
CONTACT KIT
SHORT NUT
TC-294002

COMPRISING

2A MOVING CONTACT BEARING PIN
2B MOVING ROLLER CONTACT
2C PLAIN WASHER
2D COMPRESSION SPRING
2E DISC WASHER
2F SHORT CASTLE NUT
2G SPLIT PIN
2H WASHERS

EXPLODED VIEW OF ES3 TRANSITIONAL ARCING CONTACT



ITEM 15
ROLLER
CONTACT KIT
LONG NUT
TC-294003

COMPRISING

3A MOVING CONTACT BEARING PIN
3B MOVING ROLLER CONTACT
3C PLAIN WASHER
3D COMPRESSION SPRING
3E DISC WASHER
3F SHORT CASTLE NUT
3G SPLIT PIN

EXPLODED VIEW OF A ES3 FIXED CONTACT

(1A)
FIXED CONTACT
BEARING PIN

ITEM 18
FIXED CONTACT KIT
TC-294006

1A
1B
1C
1D
1E
1F
1G
COMPRISING

(1B) CONTACT
WASHER

(1C) COMPRESSION
SPRING

(1D) PLAIN
WASHER

(1E)
FIXED ROLLER
CONTACT

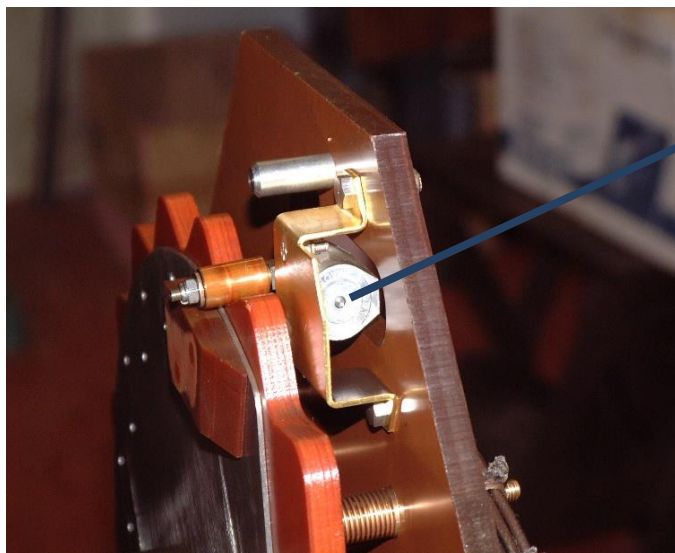
(1F)
LOCK WASHER

(1G)
SCREW

FIXED CONTACT

FIXED CONTACT ASSY

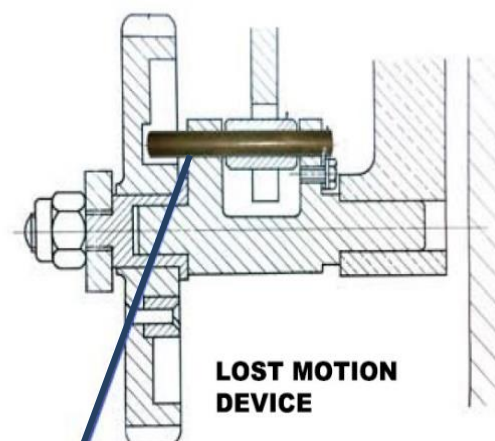
VIEW OF ES3 SELECTOR SWITCH DRIVE GEAR BEARING AND GENEVA



**ITEM 12
COUNTER ASSY 5 - FIGURE
TC-9530013**



**ITEM 13
DRIVE
BEARING PIN
TC-202198002**





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ES3 Tapchanger Maintenance Parts

Re-order Form

On Completion of the ES3 Tapchanger maintenance why not replace the parts used from the kit? In the form below, simply enter the parts utilized during the service and email to sales@ferrantitapchangers.com where we will be happy to offer our quotation to replenish the maintenance kit, ready for the next service.

Or speak to us about our Maintenance Kit Management service. For more information call - 0161 652 2800

Item	Part Number	Description	Kit Qty	Qty Used	UOM
1	TC-202630002	Gasket - Top Oil Level Surge Cover	1		Each
2	TC-224068003	Gasket - Top Oil Level Surge Sight	2		Each
3	TC-224068002	Window - Top Oil Level Surge Sight	1		Each
4	TC-209053	Gasket - Top Oil Surge Terminal Cover	1		Each
5	TC-202050	Valve - Air Release	1		Each
6	TC-202628	Window - DS Top Oil Level Sight	1		Each
7	TC-202630001	Gasket - DS Top Oil Level Sight	2		Each
8	TC-202643	Window - Gearbox Oil Level Sight	1		Each
9	TC-202645	Gasket - Gearbox Oil Level Sight	2		Each
10	TC-229860002	Gasket - Main Front Cover	1		Each
11	TC-228742002	Gasket - Main Front Cover	1		Each
12	TC-9530013	Counter Assembly - 5 Figure	1		Each
13	TC-202198002	Pin - Drive Bearing	1		Each
14	TC-201920	Spring - Adjustment	3		Each
15	TC-294003	Moving Contact Assembly - Short Nut	3		Each
16	TC-294002	Moving Contact Assembly - Long Nut	3		Each
17	TC-294007	Main Moving Contact Kit	3		Each
18	TC-294006	Fixed Roller Contact Kit	51		Each

Enter your contact information below:

Company

Site Address

Contact Name

Contact No

Email Address

Office Use Only

Date Form Returned

Order Reference: