



FERRANTI

TAPCHANGERS

MAINTENANCE PARTS MANUAL ON LOAD TAPCHANGING EQUIPMENT

ES3/19



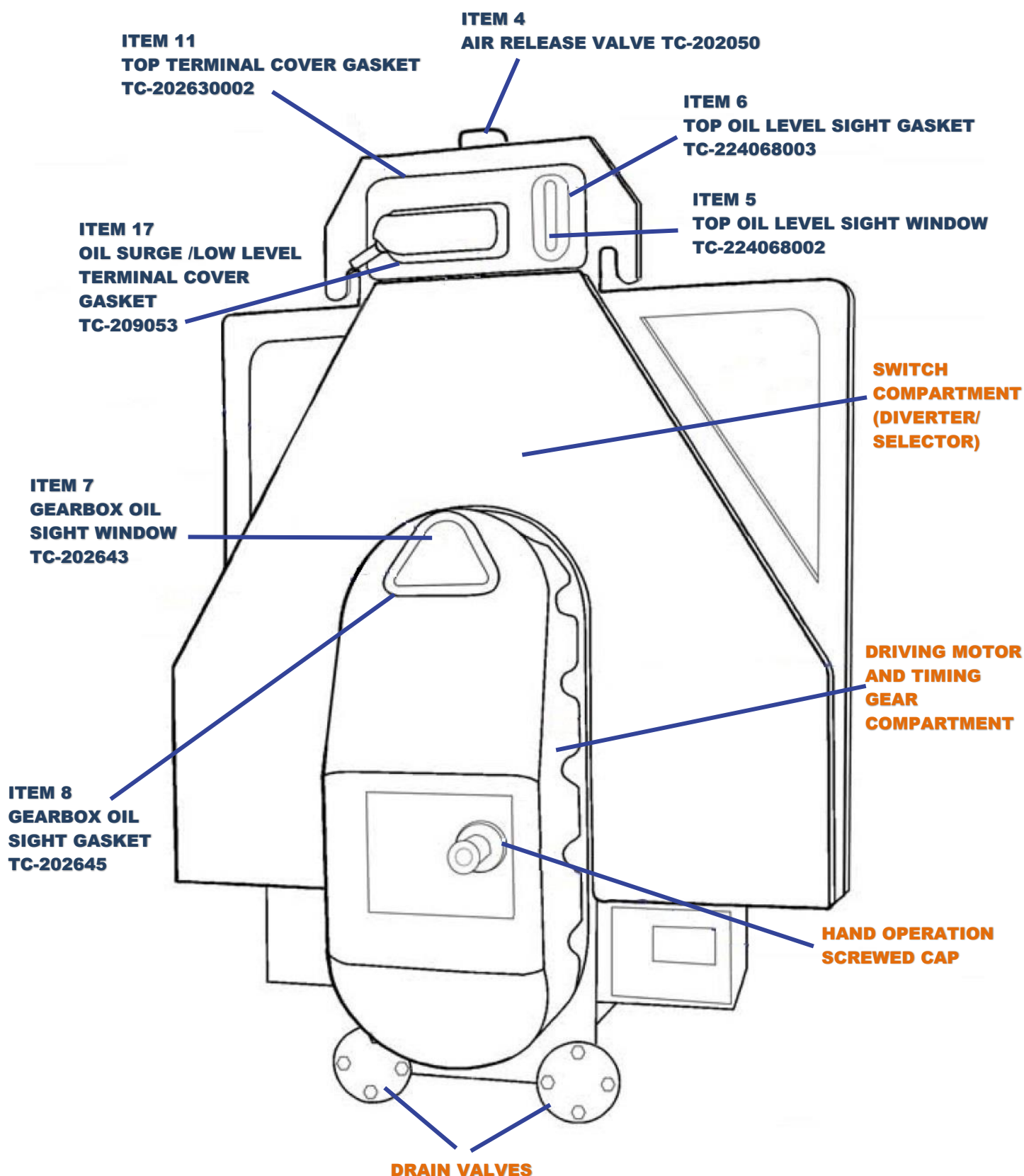
UNITS 8/9
SOUTHLINK BUSINESS PARK
HAMILTON STREET
OLDHAM
UNITED KINGDOM

TEL: ++44 (0) 161 652 2800
EMAIL: sales@ferrantitapchangers.com
WEBSITE: www.ferrantitapchangers.com

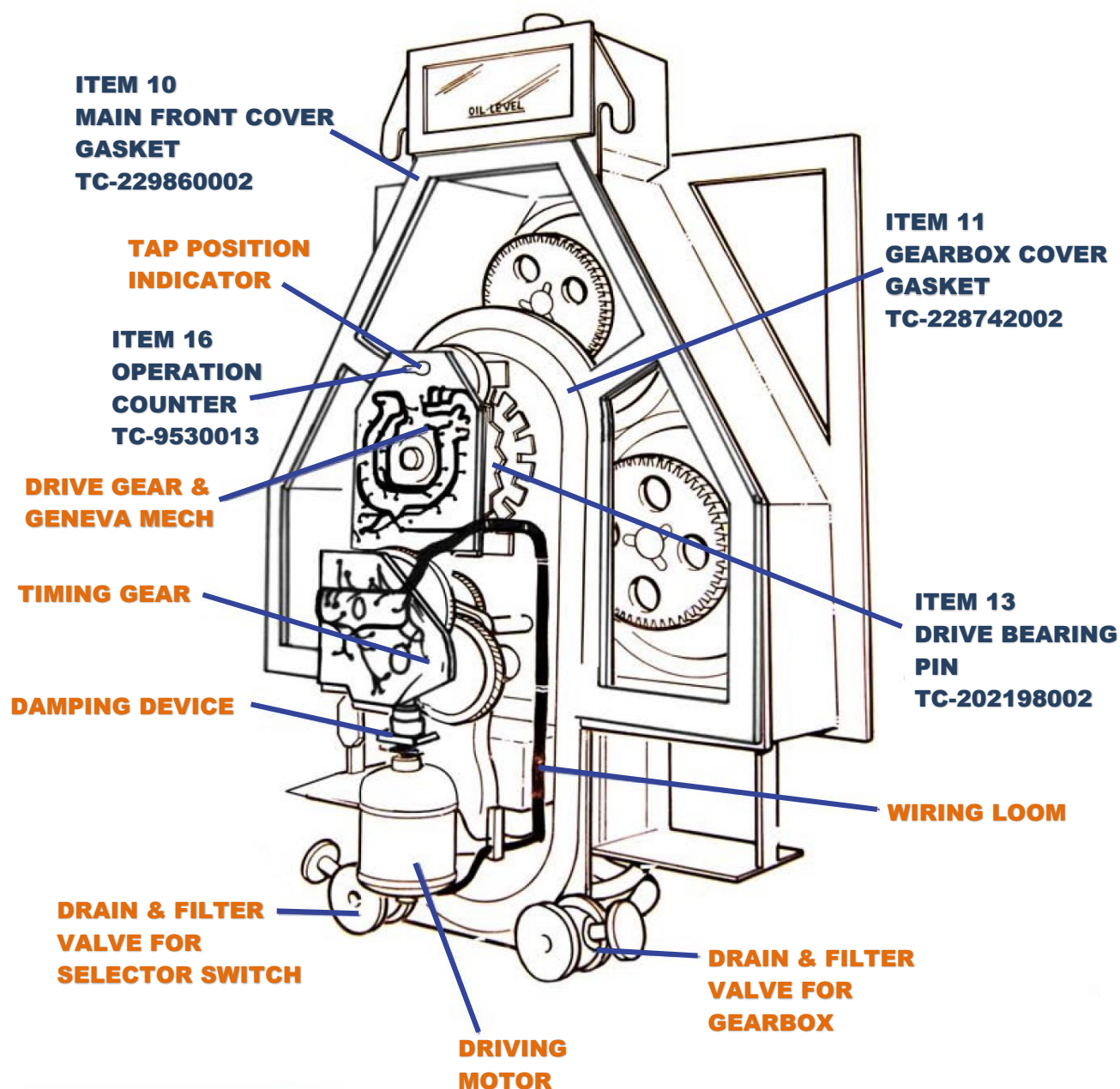
ISSUE 1 (APRIL 2024)

ISSUE 3 (FEB 2024)

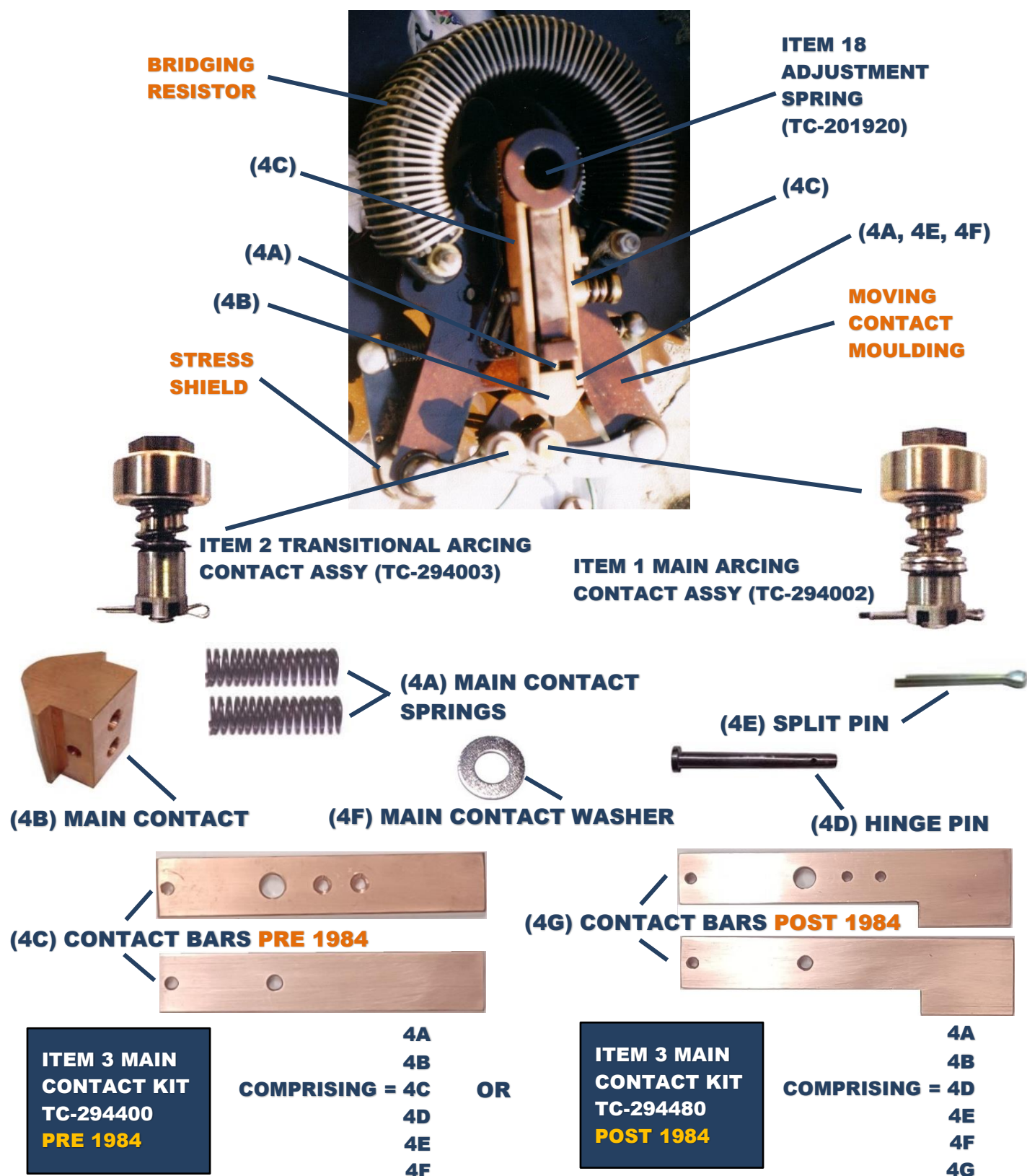
ES3/19 TAPCHANGER GENERAL VIEW



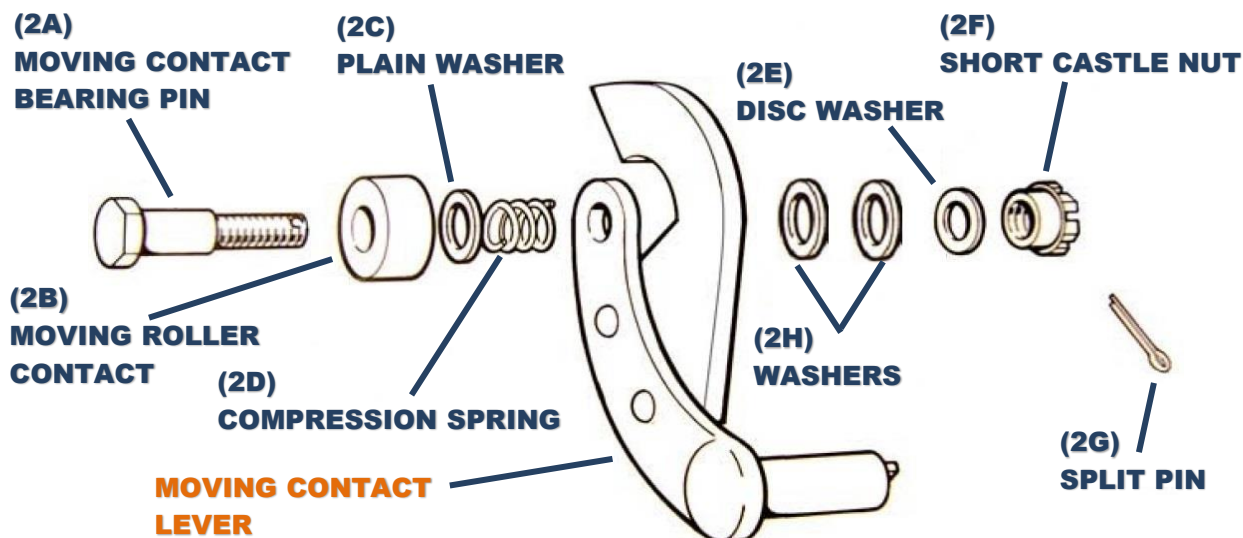
GENERAL VIEW OF ES3/19 TAPCHANGER WITH COVERS REMOVED



ES3/19 MOVING CONTACT ARM COMPONENTS AND ASSEMBLY



EXPLODED VIEW OF ES3/19 MAIN ARCING CONTACT

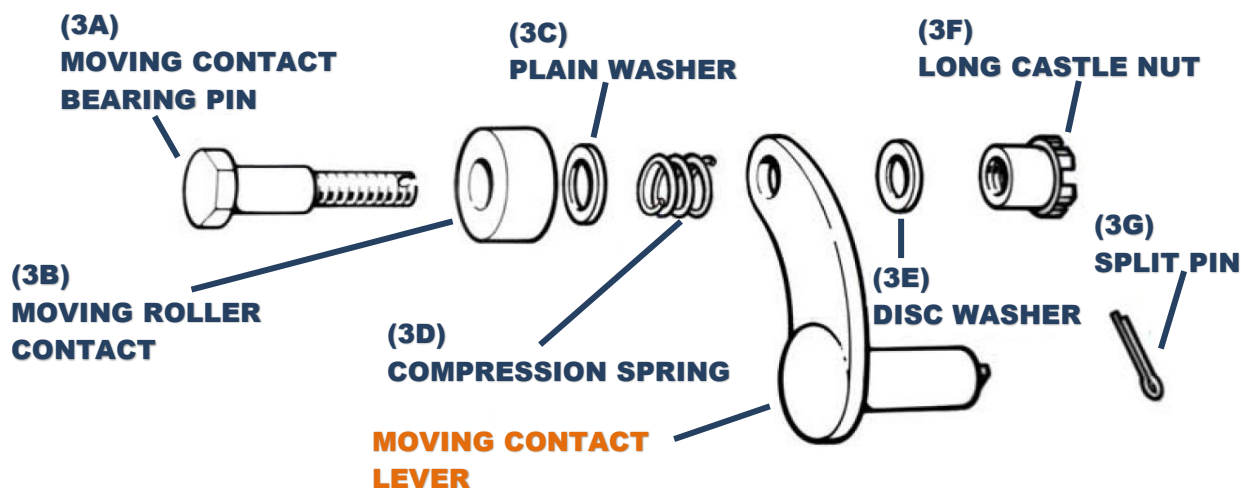


ITEM 1
ROLLER
CONTACT KIT
SHORT NUT
TC-294002

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 ES3/19 TRANSITIONAL ARCING CONTACT



ITEM 2
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 ES3/19 FIXED CONTACT

(1A)
FIXED CONTACT
BEARING PIN

ITEM 9
FIXED CONTACT KIT
TC-294006

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

(1B) CONTACT
WASHER

(1C) COMPRESSION
SPRING

(1D) PLAIN
WASHER

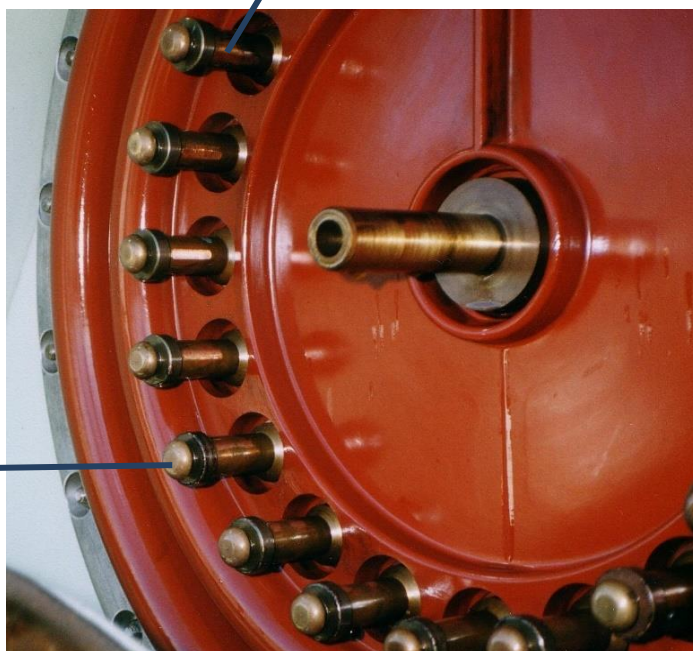
(1E)
FIXED ROLLER
CONTACT

(1F)
LOCK WASHER

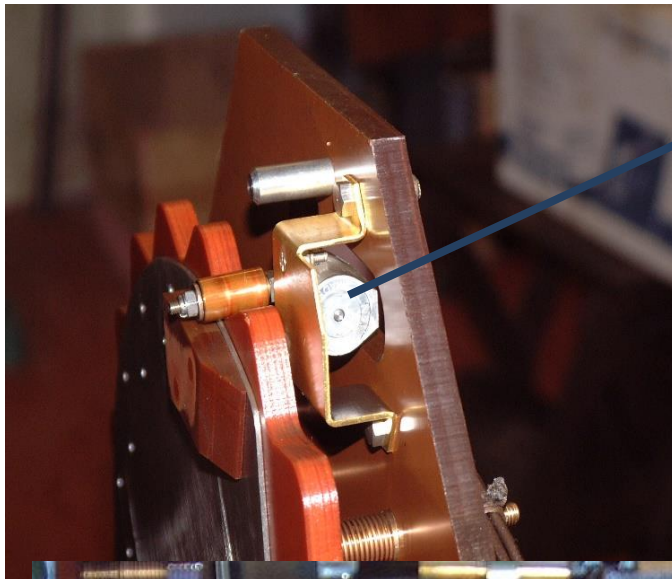
(1G)
SCREW

FIXED CONTACT

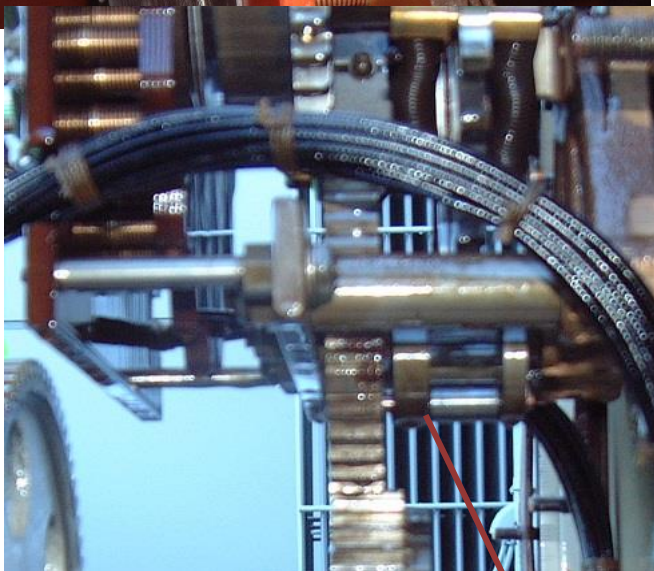
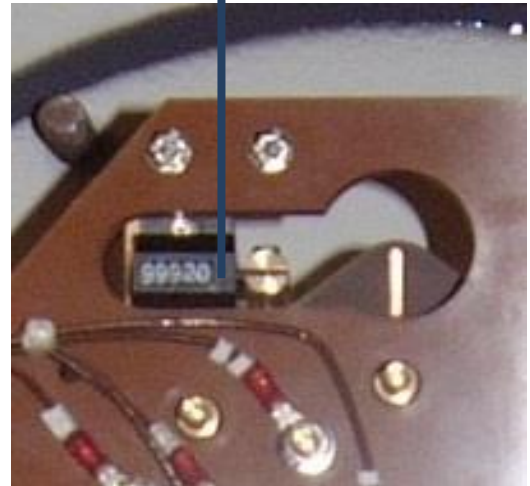
ITEM 9 TC-294006



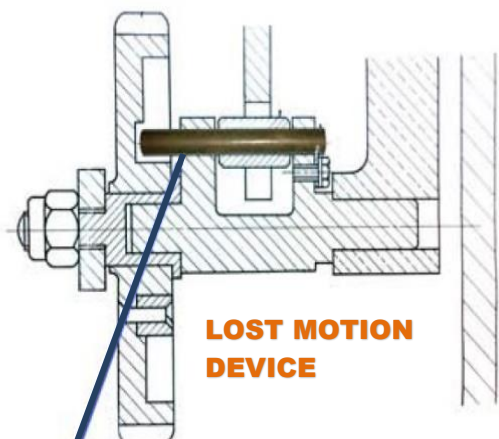
VIEW OF ES3-19 SELECTOR SWITCH DRIVE GEAR BEARING AND GENEVA



**ITEM 16
COUNTER ASSY 5 - FIGURE
TC-9530013**



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



**LOST MOTION
DEVICE**





ISSUE 1 (APRIL 2024)

ES3/19 Tapchanger Maintenance Kit

Re-order Form

On Completion of the 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-294002	Moving Contact Assy - Short Nut	3		Each
2	TC-294003	Moving Contact Assy - Long Nut	3		Each
3	TC-294400	ES3/19 Main Contact Kit (Pre 1981)	3		Each
3	TC-294480	ES3/19 Main Contact Kit (Post 1981)	3		Each
4	TC-202050	Valve - Air Release	1		Each
5	TC-224068002	Window - DS & ES Top Oil Surge Sight	1		Each
6	TC-224068003	Gasket - DS & ES Top Oil Surge Sight	2		Each
7	TC-202643	Window - DS & ES Gearbox Oil Sight	1		Each
8	TC-202645	Gasket - DS & ES Gearbox Oil Sight	2		Each
9	TC-294006	DS/ES Fixed Roller Contact Kit	57		Each
10	TC-229860002	Gasket - ES3 Front Cover	1		Each
11	TC-228742002	Gasket - DS/ES GearboxCover	1		Each
12	TC-2115000200	Pin - Split Cotter	3		Each
13	TC-202198002	Pin - Drive Bearing	1		Each
14	TC-201920	Spring - Adjustment	3		Each
15	TC-2411024500	Washer - Gearbox Cap Sealing	1		Each
16	TC-9530013	Counter Assy - 5 Figure	1		Each
17	TC-209053	Gasket - DS/ES Oil Surge Terminal Cover	1		Each

Enter your contact information below:

Company

Site Address

Contact Name

Contact No

Email Address

Office Use Only

Date Form Returned

Order Reference:

ISSUE 3 (FEB 2024)