

Bill of Quantities: The Supply and Delivery of ATL, BRUSH and Ferranti Tap Changer Spares

Hawker Siddeley/ATC/ATL/BRUSH Tapchanger spares for type: Type AT/ATV 317

QTY	Description	Unit Price	Per	Total
3	Moving Scissor Contacts, PN 591801-A		ea	
3	Moving Main Contact, PN 561281-A		ea	
3	Fixed Contact Assembly, PN 563146-A		ea	
3	Springs, PN 020040-146		ea	
3	Contact Plate, PN 561282-A		ea	
3	Inspection Cover Gasket, PN 130903-481		ea	
3	M6 X 25mm Cap Head Screw		ea	
3	Moulding Support Bottom, PN 580692-A		ea	
3	Moulding Support Top, PN 580691-B		ea	
3	Collared Spacer, PN 562430-1		ea	
3	Large Gear, PN 591244-A		ea	
3	Small Gear, PN 572016-1		ea	
3	M16 Fibre Nut, PN 9376030-00		ea	
3	M12 Fibre Nut, PN 9376029-00		ea	
2	L/H Selector Moulding, PN 600761-E		ea	
2	R/H Selector Moulding, PN 600762-E		ea	
2	C Selector Moulding, PN 600768-E		ea	
3	Operating Handle, PN 571984-A		ea	
3	DN25 Valve, PN 6493760/02		ea	
3	Resistor Assy, PN 590765-A - 3,33ohm		ea	
3	DSS Switch Assembly		ea	
3	Mechanical Counter, PN 562926-A New MKIII AT (1991 onwards)		ea	
3	Mechanical Counter, PN 561960-1 (ATL)		ea	
		Total		

Ferranti Tapchanger spares for Type DS2/DS300/DS400/ES3

QTY	Description	Unit Price	Per	Total
4	Contact Assy - Neutral (1:8 Taper), PN TC-294331		ea	
4	Contact Assy - Neutral (1:4 Taper), PN TC-294900		ea	
4	Contact Assy - Fixed, PN TC-294006		ea	
4	Contact Assy - Fixed, PN TC-216642ASY(1:4 Flats)		ea	
4	Moving Contacts Asy – Short Nut, PN TC-294002		ea	
4	Moving Contacts Asy – Long Nut, PN TC-294003		ea	
4	Main Contact Kit, PN TC-294007		ea	
4	Contact Fixed - Pin Base 1:8 Taper, PN TC-207897 (Pin only)		ea	
4	Contact Fixed - Pin Base 1:4 Taper, PN TC-215660 (Pin only)		ea	
4	Gasket, PN TC-2411021800		ea	
3	W.W. Resistor Assy, 2.43ohm, PN TC-221979K		ea	
3	Extension Shaft Assy (Metric), PN TC-201925ASY		ea	
3	Breather Assy, PN TC-4836892		ea	
3	Handel Assy - Gearbox, PN TC-226848 DS2 DS5 ES3		ea	
3	Handel Assy - Gearbox, PN TC-731200 DS300-500		ea	
3	Boss Assy – Winding Handle, PN TC-213204ASY DS2DS5 ES3		ea	
3	Boss Assy – Winding Handle, PN TC-216141ASY DS300-500		ea	
4	DS,ES Gearbox Handle Service Kit		ea	
4	Block Asy – Terminal (4 Way), PN TC-M1356		ea	
4	Block Asy – Terminal (12 Way), PN TC-220102		ea	
4	Valve – Air Release (Square Base), PN TC-202050		ea	
4	Valve – Air Release (Diamond Base), PN TC-202051ASY		ea	
4	Window – Oil Sight, PN TC-224068002		ea	
4	Gasket – Oil Sight, PN TC-224068003		ea	
4	Window – Gearbox Oil Level sight, PN TC-202643		ea	
4	Gasket - Window oil level sight, PN TC- 202645		ea	
4	Gasket - Main Front Cover, PN TC-229860002 (DS2/ES3)		ea	
4	Gasket - Main Front Cover, PN TC-228742001 (DS300)		ea	
4	Gasket - Gearbox Cover, DS2/ES3 PN TC-228742002		ea	
4	Gasket - Gearbox Cover, DS300 PN TC-830474		ea	
4	Window – Oil Level sight, PN TC-202628		ea	
4	Gasket – Top Oil Sight, PN TC-202630001		ea	
4	Switch-Low Level (Liquid), PN TC-2754080400		ea	
4	Switch-Oil Surge Mini (Pressure), PN TC-2754035400		ea	
4	Mercury Switch. TC 2754080400		ea	
3	Switch – Micro, PN TC-2754018000		ea	
3	Switch – Micro, PN TC-2754018100		ea	
3	Switch – Micro, PN TC-2754018300		ea	
3	Board – Printed Circuit (Small), PN TC-221819ASY		ea	
3	Board – Printed Circuit (Big), PN TC-223678ASY		ea	
4	Board – Printed Circuit (Directional), PN TC-206976		ea	
3	Board Assy – Step Switch Contact (Upper 45Pos), PN TC-222947ASY		ea	
3	Board Assy – Contact Plunger (Lower 24Pos), PN TC-222433ASY		ea	
3	BASE - SELECTOR SWITCH (DS2), PN TC-293577		ea	
3	Selector Switch Contact Housing Assy, PN TC-228698		ea	

3	Arm Assy-Moving Contact (Less Resistor & Spur Gear), PN TC-228701-RS		ea	
4	Valve – Gate 25mm, PN TC-2464053200		ea	
4	Pin - Drive, PN TC-202198002		ea	
4	Spring - Adjustment, PN TC-201920		ea	
4	Gasket - Top Oil Level Surge, PN TC-202630002		ea	
4	Gasket - Oil Surge Terminal Cover, PN TC-209053		ea	
4	Counter ASSY, PN TC-9530013		ea	
4	Motor, PN TC-2773041900		ea	
4	Capacitor Motor, PN TC-2831096700 – 8mfd		ea	
			ea	
		Total		

Hawker Siddeley/Fuller/ATL Tapchanger spares for type: Type F 317

QTY	Description	Unit Price	Per	Total
5	Roller Contact Assy, PN 318389-C		ea	
5	Roller Contact Assy, PN 318389-D		ea	
5	Contact Assy, PN 311184-A		ea	
5	Flexible Connection, PN 313646-E		ea	
5	Flexible Connection, PN 313646-F		ea	
5	Fixed Contact, PN 312702-B		ea	
5	AI Contact Base, PN 124801-1		ea	
5	AI Contact Base, PN 124801-2		ea	
5	Springs. PN 311162-1		ea	
5	Screw, PN 013326-1		ea	
5	Lock Washer. PN ISW M5		ea	
5	Pin & Lock clip (LR-3/16"), PN 211632-1		ea	
5	Barrier, PN 219223-1		ea	
			ea	
		Total		

Grand Total (Year 1)
Grand Total (Year 2)
Grand Total (Year 3)
Grand Total (Year 4)