



32B928010
 TITLE CONT ON SH 2 SH 1

OUTLINE (OPERATING DETAIL)

UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE
 SURFACES 2 PL DEC 3 PL DEC ANGLES
 ✓ ± ± ± DEC

FIRST MADE FOR OPERATING DETAIL
 Replaces 32B928005, 32B928006, B2351J106, & 32B928004.

INSTALLATION OF CIRCUIT BREAKERS IN TRANSFORMERS SCOPE:

THIS INSTRUCTION APPLIES TO THE ASSEMBLY AND ADJUSTMENT FOR CORRECT OPERATION OF CIRCUIT BREAKERS IN OIL FILLED TRANSFORMERS.

1. BOLT BREAKER FIRMLY TO ITS SUPPORT.
2. ASSEMBLE ARM TO CIRCUIT BREAKER.
3. INSTALL THE OPERATING HANDLE ASSEMBLY IN THE TANK CASING AND TIGHTEN THE CLAMPING NUT TO 200-250 LB-IN TORQUE. FURTHER TIGHTENING IS UNDESIRABLE.
4. WITH BREAKER OPEN, AND WITH HANDLE IN CORRESPONDING POSITION, ADJUST THE THREADED CONNECTION BETWEEN ARM AND LINK UNTIL THE HOLE IN THE ARM MAY BE LINED UP WITH THE HOLE IN THE OPERATING SHAFT.
5. TEMPORARILY INSTALL THE COTTER PIN (ITEM 3) TO CONNECT THE ARM TO THE OPERATING SHAFT AND USE FINGERS TO PREVENT THE COTTER PIN FROM FALLING OUT. BY MEANS OF THE OPERATING HANDLE RESET THE BREAKER (CLOSE IT), OBSERVE RESETTING OF SIGNAL LIGHT SWITCH. (THE BREAKER MAY BE TRIPPED MANUALLY BY ROTATING THE TRIP LATCH).
6. MODIFY THE ADJUSTMENT OF STEP #4 UNTIL THE FUNCTIONS OF STEP #5 PERFORM FREELY, WITHIN THE LIMITS OF TRAVEL FOR THE HANDLE.
7. INSTALL THE COTTER PIN PERMANENTLY.
8. POSITION CIRCUIT BREAKER CALIBRATION CONTROL MECHANISM AT THE NORMAL POSITION. POSITION THE CONTROL ASSEMBLY HANDLE IN THE "DOWN" POSITION. THREAD THE CONTROL CABLE INTO THE SUPPORT AND LOCK THE CONNECTIONS BY PINCHING THE SUPPORT AROUND THE CABLE.
9. POSITION THE CIRCUIT BREAKER CALIBRATION CONTROL MECHANISM IN THE "NORMAL" POSITION. HOLD THE CONTROL ASSEMBLY IN THE "DOWN" POSITION. TWIST CONTROL WIRE INTO AND AROUND LEVER AS SHOWN IN SKETCH "C".

ASSEMBLY INCLUDES HANDLE PLUS COMMON PARTS. ARM MUST BE ORDERED SEPARATELY DEPENDING ON LENGTH REQUIRED.

WITHOUT EMERGENCY OVERLOAD CONTROL LEVER

CATALOG NUMBER	FIG NO	SHAFT	"A"	"H"	"F"	"M"
7574ZM0199	1	BENT	4.25	1.50	27"	--
7574ZM0399	1	BENT	5.25	1.50	27"	--
7574ZM0599	1	BENT	6.25	1.50	27"	--
7574ZM0799	1	BENT	6.50	1.75	27"	--
7574ZM0899	1	BENT	8.00	1.75	27"	--
7574ZM1199	2	BENT	3.50	1.75	13"	--
7574ZM1399	2	BENT	5.25	2.00	13"	--
7574ZM1599	2	BENT	8.25	2.00	13"	--
7574ZM1799	2	STRAIGHT	--	--	--	10.14
7574ZM1999	9	BENT	6.50	1.75	24"	--
7574ZM2199	3	BENT	6.25	1.50	85"	--
7574ZM2399	3	BENT	7.25	2.00	85"	--
7574ZM2599	3	STRAIGHT	--	--	--	9.14
7574ZM2899	2	BENT	7.25	2.00	13"	--
7574ZM2999	1	STRAIGHT	--	--	--	9.14
7574ZM3299	9	BENT	6.50	1.75	18"	--
7574ZM3799	1	BENT	8.50	1.25	27"	--
7574ZM3999	1	BENT	6.75	1.38	0"	--
7574ZM4399	3	BENT	10.00	1.75	85"	--
7574ZM4499	2	BENT	3.5	1.75	193"	--
7574ZB0199	8	BENT	7.73	1.50	100"	--
7574ZB0299	8	BENT	3.70	1.75	100"	--
7574ZB0399	8	BENT	6.35	1.50	100"	--
7574ZB0499	8	BENT	4.70	1.50	100"	--
7574ZB0599	8	BENT	5.90	1.75	100"	--
7574ZB0699	8	BENT	5.80	1.25	100"	--
7574ZB0799	8	BENT	6.30	1.75	100"	--
7574ZB1399	8	BENT	7.73	1.50	280"	--
7574ZB1499	8	BENT	3.70	1.75	280"	--
7574ZB1599	8	BENT	6.35	1.50	280"	--
7574ZB1699	8	BENT	4.70	1.50	280"	--
7574ZB1799	8	BENT	5.90	1.75	280"	--
7574ZB1899	8	BENT	5.80	1.25	280"	--
7574ZB1999	8	BENT	6.30	1.75	280"	--
7574ZB2099	7	BENT	4.50	2.00	280"	--
7574ZM6799	3	BENT	7.75	1.50	85"	--
7574ZM6999	3	BENT	6.25	1.50	265"	--
7574ZS0199	10	STRAIGHT	--	--	--	1.58
7574ZS0399	11	STRAIGHT	--	--	--	1.58
7574ZM7299	3	BENT	18.00	1.75	85"	--
7574ZM7399	1	BENT	5.25	1.75	27"	--
7574ZM7599	3	BENT	5.25	1.75	85"	--

WITH EMERGENCY OVERLOAD CONTROL LEVER

CATALOG NUMBER	FIG NO	SHAFT	"A"	"H"	"F"	"M"
7574ZM0299	1	BENT	4.25	1.50	27"	--
7574ZM0499	1	BENT	5.25	1.50	27"	--
7574ZM0699	1	BENT	6.25	1.50	27"	--
7574ZM0899	1	BENT	6.50	1.75	27"	--
7574ZM1099	1	BENT	8.00	1.75	27"	--
7574ZM1299	2	BENT	3.50	1.75	13"	--
7574ZM1499	2	BENT	5.25	2.00	13"	--
7574ZM1699	2	BENT	8.25	2.00	13"	--
7574ZM1899	2	STRAIGHT	--	--	--	10.14
7574ZM2099	4	BENT	4.50	1.75	27"	--
7574ZM2299	3	BENT	6.25	1.50	85"	--
7574ZM2499	3	BENT	7.25	2.00	85"	--
7574ZM2699	3	STRAIGHT	--	--	--	9.14
7574ZM2799	2	BENT	7.25	2.00	13"	--
7574ZM3099	1	STRAIGHT	--	--	--	9.14
7574ZM3199	3	BENT	10.00	1.75	85"	--
7574ZM3399	3	BENT	7.25	1.50	85"	--
7574ZM3499	3	BENT	4.50	1.75	85"	--
7574ZM3599	8	BENT	8.25	2.00	85"	--
7574ZM3899	1	BENT	6.50	1.25	27"	--
7574ZM4099	1	BENT	6.75	1.38	0"	--
7574ZM4199	3	BENT	7.25	1.50	85"	--
7574ZM4599	2	BENT	3.50	1.75	193"	--
7574ZM4299	3	BENT	10.00	2.25	40"	--
7574ZM6899	1	BENT	5.25	2.00	13"	--
7574ZM6899	3	BENT	7.75	1.50	85"	--
7574ZM4899	3	BENT	6.25	1.50	265"	--
7574ZS0299	10	STRAIGHT	--	--	--	1.58
7574ZM7099	3	BENT	5.75	2.00	85"	--
7574ZS0499	11	STRAIGHT	--	--	--	1.58
7574ZM7499	3	BENT	18.00	1.75	85"	--
7574ZM7699	3	BENT	6.25	1.50	85"	--
7574ZM7899	1	BENT	5.25	1.75	27"	--
7574ZM8099	3	BENT	5.25	1.75	85"	--

REV	DESCRIPTION	DATE	BY
10	STULPIN 10-APR-00		
	Added Chiff 7574ZM699 & 6999 ECN # F326		
2	STULPIN 30-JAN-98		
	Added Chiff 7574ZM6799 & 6999 ECN # F3081		
3	STULPIN 10-MAR-98		
	Added Chiff 7574ZM699 & 6999 ECN # F315 & ECN # F326		
4	K. Carroll 08-MAY-98		
	Added Conf 7574ZS0199 & 7574ZS0299 ECN # F347		
5	K. Carroll 27-JUL-98		
	Added Model 7574ZM7099 ECN # F404		
6	K. Carroll 29-SEP-98		
	Added Model 7574ZM7099 ECN # F418		
7	STULPIN 20-MAR-99		
	UPDATED TEMPLATE		
8	STULPIN 24-MAY-99		
	Added 7574ZM7099 ECN # 1503		
9	STULPIN 13-JUL-99		
	CORRECTED RE-ADDED 7299 & 7499 REFERENCE REVISION 7 AND ECN #48		

MADE BY: K. Carroll 22-April-97
 ISSUED BY: S. STULPIN 10-APR-00

APPROVAL: *[Signature]*

HICKORY ERMCO

32B928010

CONT ON SH 2 SH 1

AA-2

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