

**DRILL RELEASE  
CHANGE FOUR**

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**CUSTOMER:** R.E. Chapman Company  
**MODEL:** DR 12/26P-80/24HD-1250  
**DATE:** C<sup>1</sup>C<sup>2</sup>C<sup>3</sup>C<sup>4</sup> ~~Jan. 7, 2003~~ ~~Jan. 10, 2003~~ ~~March 4, 2003~~ ~~May 9, 2003~~ May 13, 2003  
**DELIVERY DATE** May 30, 2003  
**SERIAL NO.:** 032283

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**1EPHD (DR24 HEAVY DUTY DRILL PTO UNIT)**

**Feature: 0015      SPECIAL CUSTOMER REQUEST**

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**A<sup>1</sup>**      1E-0015-026      SPECIAL REQUEST-SER.032283

*REQUIRE, HYDRAULIC PLUMBING TO OPERATE, REMOTE MUD PUMP - 4 X 3  
SKID MOUNDED, SUPPLY CONTROLS AND QUICK COUPLING SYSTEM  
TO CONNECT TO MUD PUMP ON REAR DRIVER SIDE OF RIG. SEE TOOLING  
LIST FOR DETAILS OF MUD PUMP ASSEMBLY*

**A<sup>4</sup>**      *PLEASE ADD HI LOW CIRCUIT FOR IR 1250 AIR COMPRESSOR*

**Feature: 0020      CHASSIS**

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1E-0020-303      CUSTOMER SUPPLIED TRUCK CHASSI  
PTO CHASSIS ARRANGEMENT  
ELEC. CONTROL CAT C-16 600 HP

**Feature: 0602      PUMP DRIVE GROUP**

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1E-0600-080      FED.763E HYD.PUMP DR.PTO. (H.D)  
VANE PUMP USED W/OPEN LOOP CIR  
FOR MODEL 115 & RC110 TOP DR.  
ALSO HEAVY DUTY 24"LOWER DRIVE  
USED WITH PTO CHASSIS

**Feature: 0600      TRANSM.& TRANSFER CASE**

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1E-0680-200      TRANSFER CASE ASSY-PTO AUX.DR  
INCL.CUSHMAN GEAR BOX & MOUNTING  
CUSHMAN 358 TRANSFER CASE  
MOUNTING, DRIVE SHAFTS  
CUSHMAN BOX TO TRANSFER CASE  
& TRANS CASE TO IR AIR COMP.

USED W/600 HP PTO UNITS

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**Feature: 0900                    ELECTRICAL**

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1E-0916-500                    LIGHTING PKG,DR-24,PTO &  
   DECK ARR'G'T, 12VOLT

1E-0941-010                    BACK-UP ALARM

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**Feature: 1060                    COOLER ASSY HYDRAULIC**

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1E-1060-002                    HYD.COOLER FOR PTO UNITS  
   WITH ELECTRIC FAN 12V DC  
   SUCKER. 120 DEGREES AMBIENT  
   OIL FLOW RATE 50 GPM

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**Feature: 1210                    SCHEMATIC**

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1E-1210-001                    SHECMATIC - HYD. & AIR/ELEC

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**Feature: 1800                    TANKS**

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1E-1850-100                    TANK - HYDRAULIC - 200 GAL  
   FABRICATED STEEL CONSTRUCTION  
   RECTANGULAR IN SHAPE  
   FAST FEED TOP HOIST SYSTEM  
   OR HEAVY DUDY LOWER DRIVE

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**Feature: 1902                    TOOL BOXES ADD ON OPTION**

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1E-1902-220                    TOOL BOX-10 CU.FT.SOLID WALL  
   USED WITH PTO DECK ARR'G'T  
   WITH ATLAS COPCO COMP.ASSY

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**Feature: 1904                    WINCH ADD ON OPTIONS**

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1E-1904-100                    SERVICE WINCH ASSY - 6,000LBS  
   W/PULLMASTER M5 JIB WINCH

**A<sup>1</sup>**

1E-1904-540                    SANDLINE ASSY. 6000 LBS.WINCH  
   FOREMOST MANUFACTURED  
   **SHEAVED UNDER CROWN**

*Add to the production BOM  
333971 for Mounting instructions.*

**Also remove from the mast weldment,  
Parts 316016, 321257 and 19-80-289229**

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**Feature: 1928                    DECKS – ADD ON OPTION**

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1E-1928-055                    DECK W/MTG IR-1250 AIR COMP  
MOUNTED ON PTO CHASSIS ARRGT  
USED WITH HEAVY DUTY LOWER DR.

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**Feature: 1929                    OUTRIGGERS**

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**A<sup>1</sup>**                    1E-1929-002                    FRONT BUMPER, SINGLE CYL.  
USE WITH KENWORTH TRUCK

1E-1929-015                    OUTRIGGER-4' MTD. FRONT OF DECK  
USED ON PTO AND DECK ARRGT  
ALSO STD. & HD LOWER DR. UNITS

1E-1929-100                    OUTRIGGER-MTD. REAR OF DECK  
TWO 5" (127MM) X 36" (100CM)  
STROKE CYLINDERS MOUNTED EACH  
SIDE REAR OF DECK.  
USED WITH 84,000 LBS HOIST  
ARRANGEMENT. OUTRIGGERS ARE

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**Feature: 2000                    COMPRESSOR DRILL**

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1E-2000-350                    IR-1250 AIR COMP. W/RECEIVER  
SEPARATOR COMPRESSOR ASSY  
COMP. MODEL# XHP1250CM

1E-2000-890                    PLUMBING ARRGT-AIR COMP DR24  
USED WITH IR 1250 COMPRESSOR  
PTO UNIT ARRGT.

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**Feature: 2100                    CIRCULATION-DRILL ADD ON**

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1E-2100-120                    WATER PUMP-FMC L0918B 20 GPM  
HYDRAULICALLY DRIVEN

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**Feature: 2170                    OILER – ADD ON OPTION**

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**A<sup>1</sup>**                    1E-2170-120                    LUBRICATOR-10 US GAL. 12 VOLT

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**Feature: 2200                    MAST ASSY**

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1E-2200-300                    MAST - DR-12 OR DR20/26-80/HD-24  
12'OR 20'LOWER DR.X 26'TOP DR.STR  
30,000#PULLDWN-80,000#PULLBACK  
W/NIGHTLIGHT PACKAGE AND  
QUICK-TRIP CABLE ATTACHMENT  
TO UTILIZE TOP DR.RAPID HOIST  
USED W/HEAVY DUTY 24"LOWER DR.

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**Feature: 2310                    ROTARY (TOP DR.)**

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1E-2310-320                    TOP DRIVE R/C150 (152,000INLB)  
RUGGEDLY CONSTRUCTED TILTING  
ROTARY HEAD & DOLLY ASSY  
WITH 2 SPEED ROTARY MOTORS  
TORQUE 151,800 INLBS.  
0-86 RPM  
OPEN LOOP HYDRAULIC CIRCUIT  
THIS ARR'G'T. IS USED ON MAST  
WITH THE 8" SQ.TUBE HOIST  
CYLINDER ENCLOSURE.  
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SHIP THE FOLLOWING ITEMS  
LOOSE.  
19-14-288993 WRENCH  
19-14-288994 WRENCH  
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**FIXED SPINDLE ARR'G'T**  
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THIS ARR'G'T. IS USED ON MAST  
W/THE HEAVY DUTY 24" LOWER DR.

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**Feature: 2320                    LOWER DRIVE**

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1E-2320-150                    LOWER DRIVE-24"2.500.000 InLb.  
WITH 12 FT STROKE ARR'G'T.  
HEAVY DUTY DESIGN

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**Feature: 2323                    JAWS-LOWER DR. ADD ON OPTIONS**

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1E-2323-170                    16"JAWS-24" LWR DR ASSY-H.D

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**Feature: 2400                    DRILLER CONTROLS**

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1E-2400-060                    CONSOLE ASSY-DRILLERS CONTROLS

USED WITH CONV. & R/C TOP DR.  
OPEN LOOP HYD. & 12V SYSTEM  
FOR DECK ENGINE & PTO ARR'G'T.  
HEAVY DUTY LOWER DRIVE 24

1E-2400-200 DRILLER CONTROLS  
1E-2400-500 AUX. CONTROLS W/COVER DECK MTD

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**Feature: 8900 FINAL PREP. ADD ON**

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1E-1190-022 DECALS - DR-24HD (COLOUR WHITE)

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**Feature: 9999 COSTING MODULES**

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1E-9800-001 HOSE KIT  
1E-9820-001 TESTING EQUIPMENT  
1E-9850-001 FITTINGS - DR24 (DECK ENG)  
1E-9880-001 WARRANTY, AFTER SALES RESERVE

**MANUALS**

Two (2) Operation and Maintenance Manuals (supplied in truck at time of delivery)

**C<sup>2</sup> PAINT:** Red Cab as supplied by Truck Mfg  
Drill, match same paint as the Kenworth Carrier colour Red 5135HP  
Air compressor, Top and Lower Drives colour Red 5135HP  
White stripes Foremost white (Paint code FBP7)

APPROVED BY \_\_\_\_\_  
Tony Calafatis

**STANDARD SPARES & TOOLING INCLUDED WITH RIG.**  
**TO BE SHIPPED LOOSE WITH RIG (NO CHARGE)**

1E-9000-032 MODULE TO INCLUDE THE FOLLOWING PARTS.  
REQUIREMENTS TO BE GENERATED AT THE CAPITAL  
WORK ORDER LEVEL

<u>Qty</u>	<u>Part Number</u>	<u>Description</u>
1	319544	Filter element - Hyd. Return
1	15-15-279152	Filter element - High pressure - Low. Dr.

	2	335476	Filter element – IR Compressor
	1	323557	SEAL KIT - WATER PUMP FMC 20GAL
	12	19-52-284763	Jaw Inserts
	1	334259	Cable 3/4" x 26 ft. for quick trip attachment
	1	19-80-289450	Snatch block – 12 ton
D <sup>3</sup>	4	9060-0417	WRENCH-BREAKOUT 10-3/4
D <sup>3</sup>	4	9060-0416	WRENCH - HOLDBACK 10 3/4"
D <sup>3</sup>	4	9035-0742	BRKOUT WRENCH BLINDHOLE 10 3/4"
A <sup>3</sup>	1	314509	WRENCH-BREAKOUT 10-3/4 X 8"
A <sup>3</sup>	1	314508	WRENCH - HOLDBACK 10 3/4"
A <sup>3</sup>	1	325171	BRKOUT WRENCH BLINDHOLE 10 3/4"
	1	19-14-288993	WRENCH PINION – FOR R/C TOP DRIVE ONLY
	1	19-14-288994	WRENCH SPINDLE – FOR R/C TOP DRIVE ONLY

**OPTIONAL – TOOLING INCLUDED WITH RIG. CONTRACT TO BE SHIPPED LOOSE WITH RIG .**

C<sup>1</sup>

1E-9100-007 MODULE TO INCLUDE THE FOLLOWING PARTS.  
 REQUIREMENTS TO BE GENERATED AT THE SALES  
 ORDER LINE FOR

	<u>Qty</u>	<u>Part Number</u>	<u>Description</u>
A <sup>1</sup>	1	336616	<b>Mission 4 x 3 x 14 Centrifugal Mud Pump and hyd. Dr, with out mud hoses or suction. Unit is skid mounted with lifting eyes. Mud pump to be supplied with 15' hydraulic hoses to connect to rig with quick couplers. Pump priming is accomplished using a rig air operated venturi. Hydraulics quick couplers and flow control on rear drivers side of rig,</b>
			<b>SEE ENGINEERING FOR DETAILS</b>
A <sup>1</sup>	1	334071	DISCHARGE SWIVEL ASSY – 16" WITH DOUBLE BRG <b>NEW STYLE</b>
A <sup>2</sup>	1	310064	WIPER SEAL-10 3/4 ASSY
A <sup>2</sup>	1	333153	JAW-CASING 18 HD ASSY
A <sup>2</sup>	1	328377	JAW-CASING 20 HD ASSY
A <sup>2</sup>	1	331074	JAW-CASING 24 HD ASSY
C <sup>4</sup>	1	321622	SAVER-SUB 10 3/4 X 34 LG ASSY
A <sup>2</sup>	4	311814	PIPE-DRILL 10 3/4 X 8 BECO X 20 FT
A <sup>2</sup>	1	336566	PIPE-STARTER 10 3/4
A <sup>2</sup>	1	336557	FLANGE-ADAPTER 16 TO 30 ASSY
A <sup>2</sup>	2	336541	PIPE-DRILL 10 3/4 X 8 BECO X 10 FT LG

RE Chapman

DR 12/26P-80/24HD-1250 Ser.032283

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<b>A<sup>2</sup></b>	1	336561	SUB-BIT - 8 BECO BOX TO 6 5/8 A.P.I. REG
<b>A<sup>2</sup></b>	1	5816-0771	ADAPTER-DISCH.SWIVEL 16"X 18"
<b>A<sup>2</sup></b>	1	5816-0347	ADAPTER-DISCH.SWIVEL 16"X 20"
<b>A<sup>2</sup></b>	1	307043	ADAPTER-DISCH.SWIVEL 16"X 24"
<b>A<sup>2</sup></b>	1	5816-0784	8"OUTLET EXT.16"DISCHARGE SWL