# **SERVICE MANUAL**

# D180C Tier 2 Crawler Dozer

PIN NDDC18000 and above; PIN NEDC18000 and above; PIN NFDC18000 and above

Part number 47907879
2<sup>nd</sup> edition English
October 2015
Replaces part number 47645622





#### **SERVICE MANUAL**

D180C Bulldozer (BD) Blade, Extra Long Track (XLT) - Non-regulated [NDDC18000 - ], D180C Bulldozer (BD) Blade, Extra Long Track (XLT) -Non-regulated [NEDC18000 - ], D180C Bulldozer (BD) Blade, Extra Long Track (XLT) - Non-regulated [NFDC18000 - ], D180C Bulldozer (BD) Blade, Long Track (LT) - Non-regulated [NDDC18000 - ] , D180C Bulldozer (BD) Blade, Long Track (LT) - Non-regulated [NEDC18000 - ], D180C Bulldozer (BD) Blade, Long Track (LT) - Non-regulated [NFDC18000 - ], D180C Bulldozer (BD) Blade, Low Ground Pressure (LGP) - Non-regulated [NDDC18000 - ]. D180C Bulldozer (BD) Blade, Low Ground Pressure (LGP) - Non-regulated [NEDC18000 - ], D180C Bulldozer (BD) Blade, Low Ground Pressure (LGP) -Non-regulated [NFDC18000 - ], D180C Power Angle Tilt (PAT) Blade, Extra Long Track (XLT) - Non-regulated [NDDC18000 - ], D180C Power Angle Tilt (PAT) Blade, Extra Long Track (XLT) - Non-regulated [NEDC18000 - ], D180C Power Angle Tilt (PAT) Blade, Extra Long Track (XLT) - Non-regulated [NFDC18000 - ], D180C Power Angle Tilt (PAT) Blade, Long Track (LT) -Non-regulated [NDDC18000 - ], D180C Power Angle Tilt (PAT) Blade, Long Track (LT) - Non-regulated [NEDC18000 - ] , D180C Power Angle Tilt (PAT) Blade, Long Track (LT) - Non-regulated [NFDC18000 - ], D180C Power Angle Tilt (PAT) Blade, Low Ground Pressure (LGP) - Non-regulated [NDDC18000 - ], D180C Power Angle Tilt (PAT) Blade, Low Ground Pressure (LGP) -Non-regulated [NEDC18000 - ], D180C Power Angle Tilt (PAT) Blade, Low Ground Pressure (LGP) - Non-regulated [NFDC18000 - ]

## **Link Product / Engine**

Product	Market Product	Engine
D180C Power Angle Tilt (PAT) Blade, Long Track (LT) - Non-regulated [NDDC18000 - ]	Latin America	F4HFA613N*E002
D180C Power Angle Tilt (PAT) Blade, Long Track (LT) - Non-regulated [NDDC18000 - ]	Australia New Zealand	F4HFA613N*E002
D180C Power Angle Tilt (PAT) Blade, Long Track (LT) - Non-regulated [NDDC18000 - ]	Asia Pacific	F4HFA613N*E002
D180C Power Angle Tilt (PAT) Blade, Long Track (LT) - Non-regulated [NDDC18000 - 1	Middle East Africa	F4HFA613N*E002
D180C Power Angle Tilt (PAT) Blade, Long Track (LT) - Non-regulated [NEDC18000 - 1	Middle East Africa	F4HFA613N*E002
D180C Power Angle Tilt (PAT) Blade, Long Track (LT) - Non-regulated [NEDC18000 - ]	Australia New Zealand	F4HFA613N*E002
D180C Power Angle Tilt (PAT) Blade, Long Track (LT) - Non-regulated [NEDC18000 - ]	Asia Pacific	F4HFA613N*E002
D180C Power Angle Tilt (PAT) Blade, Long Track (LT) - Non-regulated [NEDC18000 - 1	Latin America	F4HFA613N*E002
D180C Power Angle Tilt (PAT) Blade, Long Track (LT) - Non-regulated [NFDC18000 - ]	Australia New Zealand	F4HFA613N*E002
D180C Power Angle Tilt (PAT) Blade, Long Track (LT) - Non-regulated [NFDC18000 - ]	Asia Pacific	F4HFA613N*E002
D180C Power Angle Tilt (PAT) Blade, Long Track (LT) - Non-regulated [NFDC18000 - 1	Latin America	F4HFA613N*E002
D180C Power Angle Tilt (PAT) Blade, Long Track (LT) - Non-regulated [NFDC18000 - ]	Middle East Africa	F4HFA613N*E002

Product	Market Product	Engine
D180C Bulldozer (BD) Blade,	Latin America	F4HFA613N*E002
Long Track (LT) - Non-regulated		
INDDC18000 - 1		
D180C Bulldozer (BD) Blade,	Asia Pacific	F4HFA613N*E002
Long Track (LT) - Non-regulated	, total admid	,
[NDDC18000 - ]		
D180C Bulldozer (BD) Blade,	Australia New Zealand	F4HFA613N*E002
Long Track (LT) - Non-regulated		
INDDC18000 - 1		
D180C Bulldozer (BD) Blade,	Middle East Africa	F4HFA613N*E002
Long Track (LT) - Non-regulated		
[NDDC18000 - ]		
D180C Bulldozer (BD) Blade,	Middle East Africa	F4HFA613N*E002
Long Track (LT) - Non-regulated	imadio Edot, imod	1 111716 1614 2662
[NEDC18000 - ]		
D180C Bulldozer (BD) Blade,	Asia Pacific	F4HFA613N*E002
Long Track (LT) - Non-regulated	, tota i dome	1 111716 1614 2662
[NEDC18000 - ]		
D180C Bulldozer (BD) Blade,	Latin America	F4HFA613N*E002
Long Track (LT) - Non-regulated		,
[NEDC18000 - ]		
D180C Bulldozer (BD) Blade,	Australia New Zealand	F4HFA613N*E002
Long Track (LT) - Non-regulated		,
[NEDC18000 - ]		
D180C Bulldozer (BD) Blade,	Latin America	F4HFA613N*E002
Long Track (LT) - Non-regulated		
[NFDC18000 - ]		
D180C Bulldozer (BD) Blade,	Asia Pacific	F4HFA613N*E002
Long Track (LT) - Non-regulated		
INFDC18000 - 1		
D180C Bulldozer (BD) Blade,	Middle East Africa	F4HFA613N*E002
Long Track (LT) - Non-regulated		
[NFDC18000 - 1		
D180C Bulldozer (BD) Blade,	Australia New Zealand	F4HFA613N*E002
Long Track (LT) - Non-regulated		
[NFDC18000 - ]		
D180C Power Angle Tilt (PAT)	Latin America	F4HFA613N*E002
Blade, Extra Long Track (XLT) -		
Non-regulated [NDDC18000 - ]		
D180C Power Angle Tilt (PAT)	Australia New Zealand	F4HFA613N*E002
Blade, Extra Long Track (XLT) -		
Non-regulated [NDDC18000 - ]		
D180C Power Angle Tilt (PAT)	Asia Pacific	F4HFA613N*E002
Blade, Extra Long Track (XLT) -		
Non-regulated [NDDC18000 - ]		
D180C Power Angle Tilt (PAT)	Middle East Africa	F4HFA613N*E002
Blade, Extra Long Track (XLT) -		
Non-regulated [NDDC18000 - ]		
D180C Power Angle Tilt (PAT)	Australia New Zealand	F4HFA613N*E002
Blade, Extra Long Track (XLT) -		
Non-regulated [NEDC18000 - ]		
-U	1	1

Product	Market Product	Engine
D180C Power Angle Tilt (PAT)	Latin America	F4HFA613N*E002
Blade, Extra Long Track (XLT) -		1 1117101011 2002
Non-regulated [NEDC18000 - ]		
D180C Power Angle Tilt (PAT)	Asia Pacific	F4HFA613N*E002
Blade, Extra Long Track (XLT) -	/ total admit	1 1117101011 2002
Non-regulated [NEDC18000 - ]		
D180C Power Angle Tilt (PAT)	Middle East Africa	F4HFA613N*E002
Blade, Extra Long Track (XLT) -	I adio Edet / iii ed	1111/10/10/10/12/02
Non-regulated [NEDC18000 - ]		
D180C Power Angle Tilt (PAT)	Asia Pacific	F4HFA613N*E002
Blade, Extra Long Track (XLT) -		1111/10/10/10/12/02
Non-regulated [NFDC18000 - ]		
D180C Power Angle Tilt (PAT)	Australia New Zealand	F4HFA613N*E002
Blade, Extra Long Track (XLT) -	radiana itow Zodiana	1 1117/01014 2002
Non-regulated [NFDC18000 - ]		
D180C Power Angle Tilt (PAT)	Middle East Africa	F4HFA613N*E002
Blade, Extra Long Track (XLT) -	Ivildate Edet / tiried	1 1117(01014 2002
Non-regulated [NFDC18000 - ]		
D180C Power Angle Tilt (PAT)	Latin America	F4HFA613N*E002
Blade, Extra Long Track (XLT) -		1 1117101011 2002
Non-regulated [NFDC18000 - ]		
D180C Power Angle Tilt (PAT)	Latin America	F4HFA613N*E002
Blade, Low Ground Pressure (LGP)		1 1117101011 2002
- Non-regulated [NDDC18000 - ]		
D180C Power Angle Tilt (PAT)	Asia Pacific	F4HFA613N*E002
Blade, Low Ground Pressure (LGP)		
- Non-regulated [NDDC18000 - ]		
D180C Power Angle Tilt (PAT)	Middle East Africa	F4HFA613N*E002
Blade, Low Ground Pressure (LGP)		
- Non-regulated [NDDC18000 - ]		
D180C Power Angle Tilt (PAT)	Australia New Zealand	F4HFA613N*E002
Blade, Low Ground Pressure (LGP)		
- Non-regulated [NDDC18000 - ]		
D180C Power Angle Tilt (PAT)	Latin America	F4HFA613N*E002
Blade, Low Ground Pressure (LGP)		
- Non-regulated [NEDC18000 - ]		
D180C Power Angle Tilt (PAT)	Australia New Zealand	F4HFA613N*E002
Blade, Low Ground Pressure (LGP)		
- Non-regulated [NEDC18000 - ]		
D180C Power Angle Tilt (PAT)	Asia Pacific	F4HFA613N*E002
Blade, Low Ground Pressure (LGP)		
- Non-regulated [NEDC18000 - ]		
D180C Power Angle Tilt (PAT)	Middle East Africa	F4HFA613N*E002
Blade, Low Ground Pressure (LGP)		
- Non-regulated [NEDC18000 - ]		
D180C Power Angle Tilt (PAT)	Australia New Zealand	F4HFA613N*E002
Blade, Low Ground Pressure (LGP)		
- Non-regulated [NFDC18000 - ]		
D180C Power Angle Tilt (PAT)	Asia Pacific	F4HFA613N*E002
Blade, Low Ground Pressure (LGP)		
- Non-regulated [NFDC18000 - ]		

D180C Power Angle Tilt (PAT)   Middle East Africa   F4HFA613N*E002   Non-regulated (NFDC18000 - )   D180C Power Angle Tilt (PAT)   Latin America   F4HFA613N*E002   Blade, Low Ground Pressure (LGP)   Non-regulated (NFDC18000 - )   D180C Bulldozer (BD) Blade, Extra Australia New Zealand   F4HFA613N*E002   Latin America   Non-regulated (NDDC18000 - )   D180C Bulldozer (BD) Blade, Extra Australia New Zealand   NDC18000 - ]   D180C Bulldozer (BD) Blade, Extra Australia New Zealand   NDC18000 - ]   D180C Bulldozer (BD) Blade, Extra Australia New Zealand   NDC18000 - ]   D180C Bulldozer (BD) Blade, Extra Australia New Zealand   NDC18000 - ]   D180C Bulldozer (BD) Blade, Extra Australia New Zealand   NDC18000 - ]   D180C Bulldozer (BD) Blade, Extra Asia Pacific   F4HFA613N*E002   Latin America   F4HFA613N*E002   Latin America   NDDC18000 - ]   D180C Bulldozer (BD) Blade, Extra Asia Pacific   F4HFA613N*E002   Latin America   NDDC18000 - ]   D180C Bulldozer (BD) Blade, Extra Asia Pacific   F4HFA613N*E002   Latin America   NDR0C18000 - ]   D180C Bulldozer (BD) Blade, Extra Australia New Zealand   NEDC18000 - ]   D180C Bulldozer (BD) Blade, Extra Australia New Zealand   NEDC18000 - ]   D180C Bulldozer (BD) Blade, Extra Australia New Zealand   NDR0C18000 - ]   D180C Bulldozer (BD) Blade, Extra Australia New Zealand   NDR0C18000 - ]   D180C Bulldozer (BD) Blade, Extra Asia Pacific   F4HFA613N*E002   D180C Bulldozer (BD) Blade, Extra Australia New Zealand   NDR0C18000 - ]   D180C Bulldozer (BD) Blade, Extra Australia New Zealand   NDR0C18000 - ]   D180C Bulldozer (BD) Blade, Extra Australia New Zealand   NDR0C18000 - ]   D180C Bulldozer (BD) Blade, Extra Australia New Zealand   NDR0C18000 - ]   D180C Bulldozer (BD) Blade, Extra Australia New Zealand   NDR0C18000 - ]   D180C Bulldozer (BD) Blade, Extra Australia New Zealand   NDR0C18000 - ]   D180C Bulldozer (BD) Blade, Extra Australia New Zealand   NDR0C18000 - ]   D180C Bulldozer (BD) Blade, Extra Australia New Zealand   NDR0C18000 - ]   D180C Bulldozer (BD) Blade, Extra A	Product	Market Product	Engine
Blade, Low Ground Pressure (LGP) - Non-regulated (NFDC18000 - ) D180C Power Angle Tilt (PAT) Blade, Low Ground Pressure (LGP) - Non-regulated (NFDC18000 - ) D180C Bulldozer (BD) Blade, Extra - Australia New Zealand - Starta (XLT) - Non-regulated - NDDC18000 - ] D180C Bulldozer (BD) Blade, Extra - Latin America - F4HFA613N*E002 - D180C Bulldozer (BD) Blade, Extra - Latin America - F4HFA613N*E002 - D180C Bulldozer (BD) Blade, Extra - Latin America - F4HFA613N*E002 - D180C Bulldozer (BD) Blade, Extra - Latin America - F4HFA613N*E002 - D180C Bulldozer (BD) Blade, Extra - Latin America - F4HFA613N*E002 - D180C Bulldozer (BD) Blade, Extra - Latin America - F4HFA613N*E002 - D180C Bulldozer (BD) Blade, Extra - Latin America - F4HFA613N*E002 - D180C Bulldozer (BD) Blade, Extra - Latin America - F4HFA613N*E002 - D180C Bulldozer (BD) Blade, Extra - Latin America - F4HFA613N*E002 - D180C Bulldozer (BD) Blade, Extra - Latin America - F4HFA613N*E002 - D180C Bulldozer (BD) Blade, Extra - Latin America - F4HFA613N*E002 - D180C Bulldozer (BD) Blade, Extra - Long Track (XLT) - Non-regulated - NEDC18000 - ] - D180C Bulldozer (BD) Blade, Extra - Long Track (XLT) - Non-regulated - NEDC18000 - ] - D180C Bulldozer (BD) Blade, Extra - Long Track (XLT) - Non-regulated - NEDC18000 - ] - D180C Bulldozer (BD) Blade, Extra - Latin America - F4HFA613N*E002 - Long Track (XLT) - Non-regulated - NEDC18000 - ] - D180C Bulldozer (BD) Blade, Extra - Australia New Zealand - F4HFA613N*E002 - Long Track (XLT) - Non-regulated - NEDC18000 - ] - D180C Bulldozer (BD) Blade, Extra - Australia New Zealand - F4HFA613N*E002 - Long Track (XLT) - Non-regulated - NEDC18000 - ] - D180C Bulldozer (BD) Blade, Extra - Australia New Zealand - F4HFA613N*E002 - Long Track (XLT) - Non-regulated - NEDC18000 - ] - D180C Bulldozer (BD) Blade, Extra - Australia New Zealand - F4HFA613N*E002 - Long Track (XLT) - Non-regulated - NEDC18000 - ] - D180C Bulldozer (BD) Blade, Extra - Latin America - F4HFA613N*E002 - F4HFA613N*E002 - Long Track (XLT) - Non-regulated - NEDC18000 -			
Non-regulated (NFDC18000 - ]   D180C Power Angle Tilt (PAT)   Blade, Low Ground Pressure (LGP)   Non-regulated (NFDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Australia New Zealand   Non-regulated (NDDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Australia New Zealand   NDDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Latin America   F4HFA613N*E002   NDE018000 - ] D180C Bulldozer (BD) Blade, Extra   Latin America   F4HFA613N*E002   NDE018000 - ] D180C Bulldozer (BD) Blade, Extra   Latin America   F4HFA613N*E002   NDDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Latin America   F4HFA613N*E002   NDDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Latin America   F4HFA613N*E002   NDDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Latin America   F4HFA613N*E002   NDDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Latin America   F4HFA613N*E002   NDDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Latin America   F4HFA613N*E002   NDDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Australia New Zealand   NDDC1800 - ] D180C Bulldozer (BD) Blade, Extra   Australia New Zealand   NDDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Australia New Zealand   NDDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Australia New Zealand   NDDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Australia New Zealand   NDDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Australia New Zealand   NDDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Australia New Zealand   NDDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Australia New Zealand   NDDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Australia New Zealand   NDDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Australia New Zealand   NDDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Australia New Zealand   NDDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Australia New Zealand   NDDC18000 - ] D180C Bulldozer (BD) Blade,   Australia New Zealand   NDDC18000 - ] D180C Bulldozer (BD) Blade,   Australia New Zealand   NDDC18000 - ] D180C Bulldozer (BD) Blade,   Australia New Zealand   NDDC18000 - ]	• • • • • • • • • • • • • • • • • • • •		1 1117/01014 2002
D180C Power Angle Tilt (PAT) Islade, Low Ground Pressure (LGP) - Non-regulated (NFDC18000 - ] D180C Buildozer (BD) Blade, Extra Australia New Zealand Long Track (XLT) - Non-regulated (NDDC18000 - ] D180C Buildozer (BD) Blade, Extra Latin America F4HFA613N*E002 Long Track (XLT) - Non-regulated (NDDC18000 - ] D180C Buildozer (BD) Blade, Extra Long Track (XLT) - Non-regulated (NDDC18000 - ] D180C Buildozer (BD) Blade, Extra Latin America F4HFA613N*E002 Long Track (XLT) - Non-regulated (NDDC18000 - ] D180C Buildozer (BD) Blade, Extra Latin America F4HFA613N*E002 Long Track (XLT) - Non-regulated (NDDC18000 - ] D180C Buildozer (BD) Blade, Extra Latin America F4HFA613N*E002 Long Track (XLT) - Non-regulated (NEDC18000 - ] D180C Buildozer (BD) Blade, Extra Latin America F4HFA613N*E002 Long Track (XLT) - Non-regulated (NEDC18000 - ] D180C Buildozer (BD) Blade, Extra Long Track (XLT) - Non-regulated (NEDC18000 - ] D180C Buildozer (BD) Blade, Extra Long Track (XLT) - Non-regulated (NEDC18000 - ] D180C Buildozer (BD) Blade, Extra Long Track (XLT) - Non-regulated (NEDC18000 - ] D180C Buildozer (BD) Blade, Extra Long Track (XLT) - Non-regulated (NEDC18000 - ] D180C Buildozer (BD) Blade, Extra Long Track (XLT) - Non-regulated (NEDC18000 - ] D180C Buildozer (BD) Blade, Extra Long Track (XLT) - Non-regulated (NEDC18000 - ] D180C Buildozer (BD) Blade, Extra Long Track (XLT) - Non-regulated (NEDC18000 - ] D180C Buildozer (BD) Blade, Extra Long Track (XLT) - Non-regulated (NEDC18000 - ] D180C Buildozer (BD) Blade, Extra Long Track (XLT) - Non-regulated (NEDC18000 - ] D180C Buildozer (BD) Blade, Extra Long Track (XLT) - Non-regulated (NEDC18000 - ] D180C Buildozer (BD) Blade, Extra Long Track (XLT) - Non-regulated (NEDC18000 - ] D180C Buildozer (BD) Blade, Extra Long Track (XLT) - Non-regulated (NEDC18000 - ] D180C Buildozer (BD) Blade, Extra Long Track (XLT) - Non-regulated (NEDC18000 - ] D180C Buildozer (BD) Blade, Extra Long Track (XLT) - Non-regulated (NEDC18000 - ] D180C Buildozer (BD) Blade, Extra Long Track (XLT) - Non-regula			
Blade, Low Ground Pressure (LGP) - Non-regulated [NFDC1800 -] D180C Buildozer (BD) Blade, Extra Australia New Zealand Long Track (XLT) - Non-regulated (NDDC18000 -] D180C Buildozer (BD) Blade, Extra Middle East Africa		Latin America	F4HFA613N*F002
Non-regulated   NFDC 18000 -			1 1117/01014 2002
D180C Bulldozer (BD) Blade, Extra   Australia New Zealand   F4HFA613N*E002			
Long Track (XLT) - Non-regulated [NDDC18000 -] D180C Bulldozer (BD) Blade, Extra [Nddle East Africa] F4HFA613N*E002 [NDDC18000 -] D180C Bulldozer (BD) Blade, Extra [Nddle East Africa] F4HFA613N*E002 [NDDC18000 -] D180C Bulldozer (BD) Blade, Extra [NDDC18000 -] D180C Bulldozer (BD) Blade, Extra [NDDC18000 -] P180C Bulldozer (BD) Blade, [NDC18000 -		Australia New Zealand	F4HFA613N*F002
INDDC18000 - ]   D180C Bulldozer (BD) Blade, Extra Latin America		Tuoti and Tiow Zealand	1 1117/01014 2002
D180C Bulldozer (BD) Blade, Extra INIDDC18000 - ] D180C Bulldozer (BD) Blade, Extra Latin America F4HFA613N*E002  Long Track (XLT) - Non-regulated INEDC18000 - ] D180C Bulldozer (BD) Blade, Extra Latin America F4HFA613N*E002  Long Track (XLT) - Non-regulated INEDC18000 - ] D180C Bulldozer (BD) Blade, Extra Latin America F4HFA613N*E002  Long Track (XLT) - Non-regulated INEDC18000 - ] D180C Bulldozer (BD) Blade, Extra Latin America F4HFA613N*E002  Long Track (XLT) - Non-regulated INEDC18000 - ] D180C Bulldozer (BD) Blade, Extra Latin America F4HFA613N*E002  Long Track (XLT) - Non-regulated INEDC18000 - ] D180C Bulldozer (BD) Blade, Extra Latin America F4HFA613N*E002  Long Track (XLT) - Non-regulated INFDC18000 - ] D180C Bulldozer (BD) Blade, Extra Latin America F4HFA613N*E002  Long Track (XLT) - Non-regulated INFDC18000 - ] D180C Bulldozer (BD) Blade, Extra Latin America F4HFA613N*E002  Long Track (XLT) - Non-regulated INFDC18000 - ] D180C Bulldozer (BD) Blade, Extra Latin America F4HFA613N*E002  Long Track (XLT) - Non-regulated INFDC18000 - ] D180C Bulldozer (BD) Blade, Asia Pacific F4HFA613N*E002  Long Track (XLT) - Non-regulated INFDC18000 - ] D180C Bulldozer (BD) Blade, Asia Pacific F4HFA613N*E002  Long Track (XLT) - Non-regulated INFDC18000 - ] D180C Bulldozer (BD) Blade, Asia Pacific F4HFA613N*E002  Long Track (XLT) - Non-regulated INFDC18000 - ] D180C Bulldozer (BD) Blade, Asia Pacific F4HFA613N*E002  Long Track (XLT) - Non-regulated INFDC18000 - ] D180C Bulldozer (BD) Blade, Asia Pacific F4HFA613N*E002  Long Track (XLT) - Non-regulated INFDC18000 - ] D180C Bulldozer (BD) Blade, Asia Pacific F4HFA613N*E002  Long Track (XLT) - Non-regulated INFDC18000 - ] D180C Bulldozer (BD) Blade, Asia Pacific F4HFA613N*E002			
Long Track (XLT) - Non-regulated (NDDC18000 - ) D180C Buildozer (BD) Blade, Extra Latin America F4HFA613N*E002 Long Track (XLT) - Non-regulated (NDDC18000 - ) D180C Buildozer (BD) Blade, Extra Latin America F4HFA613N*E002 Long Track (XLT) - Non-regulated (NDDC18000 - ) D180C Buildozer (BD) Blade, Extra Latin America F4HFA613N*E002 Long Track (XLT) - Non-regulated (NEDC18000 - ) D180C Buildozer (BD) Blade, Extra Latin America F4HFA613N*E002 Long Track (XLT) - Non-regulated (NEDC18000 - ) D180C Buildozer (BD) Blade, Extra Latin America F4HFA613N*E002 Long Track (XLT) - Non-regulated (NEDC18000 - ) D180C Buildozer (BD) Blade, Extra Middle East Africa F4HFA613N*E002 Long Track (XLT) - Non-regulated (NEDC18000 - ) D180C Buildozer (BD) Blade, Extra Latin America F4HFA613N*E002 Long Track (XLT) - Non-regulated (NEDC18000 - ) D180C Buildozer (BD) Blade, Extra Latin America F4HFA613N*E002 Long Track (XLT) - Non-regulated (NFDC18000 - ) D180C Buildozer (BD) Blade, Extra Latin America F4HFA613N*E002 Long Track (XLT) - Non-regulated (NFDC18000 - ) D180C Buildozer (BD) Blade, Extra Latin America F4HFA613N*E002 Long Track (XLT) - Non-regulated (NFDC18000 - ) D180C Buildozer (BD) Blade, Extra Latin America F4HFA613N*E002 Long Track (XLT) - Non-regulated (NFDC18000 - ) D180C Buildozer (BD) Blade, Australia New Zealand F4HFA613N*E002 Long Track (XLT) - Non-regulated (NFDC18000 - ) D180C Buildozer (BD) Blade, Australia New Zealand F4HFA613N*E002 Long Track (XLT) - Non-regulated (NFDC18000 - ) D180C Buildozer (BD) Blade, Australia New Zealand F4HFA613N*E002 Long Track (XLT) - Non-regulated (NFDC18000 - ) D180C Buildozer (BD) Blade, Australia New Zealand F4HFA613N*E002 Long Track (XLT) - Non-regulated (NFDC18000 - ) D180C Buildozer (BD) Blade, Australia New Zealand F4HFA613N*E002 Long Track (XLT) - Non-regulated (NFDC18000 - ) D180C Buildozer (BD) Blade, Australia New Zealand F4HFA613N*E002 Long Track (XLT) - Non-regulated (NFDC18000 - ) D180C Buildozer (BD) Blade, Australia New Zealand F4HFA613N*E002 Long Track (XLT) - Non-regula		Middle Fast Africa	F4HFA613N*F002
INDDC18000 - ]   D180C Bulldozer (BD) Blade, Extra Latin America		Iviidale Edet / Iiiilea	1 1117/01014 2002
D180C Bulldozer (BD) Blade, Extra Latin America  F4HFA613N*E002  INDDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Latin America  INDDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Latin America  INDDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Latin America  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Latin America  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Asia Pacific  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Australia New Zealand  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Australia New Zealand  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Asia Pacific  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Asia Pacific  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Asia Pacific  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Asia Pacific  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Australia New Zealand  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Australia New Zealand  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Australia New Zealand  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Latin America  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Latin America  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Latin America  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Latin America  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Latin America  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Latin America  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Latin America  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Latin America  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Latin America  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Latin America  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Latin America  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Latin America  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Latin America  INEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Latin America  INEDC18000 - ]  INEDC18000 - ]	, ,		
Long Track (XLT) - Non-regulated   NDDC18000 - ]   D180C Bulldozer (BD) Blade, Extra   Asia Pacific   F4HFA613N*E002   Long Track (XLT) - Non-regulated   NDDC18000 - ]   D180C Bulldozer (BD) Blade, Extra   Latin America   F4HFA613N*E002   Long Track (XLT) - Non-regulated   NEDC18000 - ]   D180C Bulldozer (BD) Blade, Extra   Asia Pacific   F4HFA613N*E002   Long Track (XLT) - Non-regulated   NEDC18000 - ]   D180C Bulldozer (BD) Blade, Extra   Australia New Zealand   F4HFA613N*E002   Long Track (XLT) - Non-regulated   NEDC18000 - ]   D180C Bulldozer (BD) Blade, Extra   Australia New Zealand   F4HFA613N*E002   Long Track (XLT) - Non-regulated   NEDC18000 - ]   D180C Bulldozer (BD) Blade, Extra   Asia Pacific   F4HFA613N*E002   Long Track (XLT) - Non-regulated   NEDC18000 - ]   D180C Bulldozer (BD) Blade, Extra   Australia New Zealand   F4HFA613N*E002   Long Track (XLT) - Non-regulated   NEDC18000 - ]   D180C Bulldozer (BD) Blade, Extra   Latin America   F4HFA613N*E002   Long Track (XLT) - Non-regulated   NEDC18000 - ]   D180C Bulldozer (BD) Blade, Extra   Latin America   F4HFA613N*E002   Long Track (XLT) - Non-regulated   NEDC18000 - ]   D180C Bulldozer (BD) Blade, Extra   Latin America   F4HFA613N*E002   Long Track (XLT) - Non-regulated   NEDC18000 - ]   D180C Bulldozer (BD) Blade,   Low Ground Pressure (LGP) - Non-regulated (NDDC18000 - ]   D180C Bulldozer (BD) Blade,   Low Ground Pressure (LGP) - Non-regulated (NDDC18000 - ]   D180C Bulldozer (BD) Blade,   Latin America   F4HFA613N*E002   Latin		Latin America	F4HFA613N*F002
INDDC18000 - ]   D180C Bulldozer (BD) Blade, Extra Latin America		Latin 7 tillolloa	1 1117101011 2002
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D180C Bulldozer (BD) Blade, Extra Asia Pacific  Long Track (XLT) - Non-regulated [NEDC18000 -]  D180C Bulldozer (BD) Blade, Extra Australia New Zealand  Long Track (XLT) - Non-regulated [NEDC18000 -]  D180C Bulldozer (BD) Blade, Extra Middle East Africa  Long Track (XLT) - Non-regulated [NEDC18000 -]  D180C Bulldozer (BD) Blade, Extra Asia Pacific  Long Track (XLT) - Non-regulated [NEDC18000 -]  D180C Bulldozer (BD) Blade, Extra Australia New Zealand  [NFDC18000 -]  D180C Bulldozer (BD) Blade, Extra Australia New Zealand  [NFDC18000 -]  D180C Bulldozer (BD) Blade, Extra Latin America  [NFDC18000 -]  D180C Bulldozer (BD) Blade, Extra Latin America  [NFDC18000 -]  D180C Bulldozer (BD) Blade, Extra Middle East Africa  [NFDC18000 -]  D180C Bulldozer (BD) Blade, Extra Middle East Africa  [NFDC18000 -]  D180C Bulldozer (BD) Blade, Extra Middle East Africa  [NFDC18000 -]  D180C Bulldozer (BD) Blade, Extra Middle East Africa  [NFDC18000 -]  D180C Bulldozer (BD) Blade, Extra Middle East Africa  [NFDC18000 -]  D180C Bulldozer (BD) Blade, Extra Middle East Africa  [NFDC18000 -]  D180C Bulldozer (BD) Blade, Extra Middle East Africa  [NFDC18000 -]  D180C Bulldozer (BD) Blade, Extra Middle East Africa  [NFDC18000 -]  D180C Bulldozer (BD) Blade, Extra Middle East Africa  [NFDC18000 -]  D180C Bulldozer (BD) Blade, Extra Middle East Africa  [NFDC18000 -]  D180C Bulldozer (BD) Blade, Extra Middle East Africa  [NFDC18000 -]  D180C Bulldozer (BD) Blade, Extra Middle East Africa  [NFDC18000 -]  D180C Bulldozer (BD) Blade, Extra Middle East Africa  [NFDC18000 -]  D180C Bulldozer (BD) Blade, Extra Middle East Africa  [NFDC18000 -]  D180C Bulldozer (BD) Blade, Extra Middle East Africa  [NFDC18000 -]  D180C Bulldozer (BD) Blade, Extra Middle East Africa  [NFDC18000 -]  D180C Bulldozer (BD) Blade, Extra Middle East Africa  [NFDC18000 -]  [NFDC18			
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NEDC 18000 - ]   D180C Bulldozer (BD) Blade, Extra   Australia New Zealand   F4HFA613N*E002   D180C Bulldozer (BD) Blade, Extra   Middle East Africa   F4HFA613N*E002   Long Track (XLT) - Non-regulated   NEDC 18000 - ]   D180C Bulldozer (BD) Blade, Extra   Asia Pacific   F4HFA613N*E002   Long Track (XLT) - Non-regulated   NEDC 18000 - ]   D180C Bulldozer (BD) Blade, Extra   Australia New Zealand   F4HFA613N*E002   Long Track (XLT) - Non-regulated   NEDC 18000 - ]   D180C Bulldozer (BD) Blade, Extra   Latin America   F4HFA613N*E002   Long Track (XLT) - Non-regulated   NEDC 18000 - ]   D180C Bulldozer (BD) Blade, Extra   Latin America   F4HFA613N*E002   Long Track (XLT) - Non-regulated   NEDC 18000 - ]   D180C Bulldozer (BD) Blade,   Australia New Zealand   F4HFA613N*E002   Low Ground Pressure (LGP) - Non-regulated   NDDC 18000 - ]   D180C Bulldozer (BD) Blade,   Asia Pacific   F4HFA613N*E002   Low Ground Pressure (LGP) - Non-regulated   NDDC 18000 - ]   D180C Bulldozer (BD) Blade,   Asia Pacific   F4HFA613N*E002   Low Ground Pressure (LGP) - Non-regulated   NDDC 18000 - ]   D180C Bulldozer (BD) Blade,   Low Ground Pressure (LGP) - Non-regulated   NDDC 18000 - ]   D180C Bulldozer (BD) Blade,   Latin America   F4HFA613N*E002   Low Ground Pressure (LGP) - Non-regulated   NDDC 18000 - ]   D180C Bulldozer (BD) Blade,   Latin America   F4HFA613N*E002   Latin America			
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Long Track (XLT) - Non-regulated [NEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Middle East Africa F4HFA613N*E002  Long Track (XLT) - Non-regulated [NEDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Asia Pacific F4HFA613N*E002  Long Track (XLT) - Non-regulated [NFDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Australia New Zealand Long Track (XLT) - Non-regulated [NFDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Latin America F4HFA613N*E002  Long Track (XLT) - Non-regulated [NFDC18000 - ]  D180C Bulldozer (BD) Blade, Extra Middle East Africa F4HFA613N*E002  Long Track (XLT) - Non-regulated [NFDC18000 - ]  D180C Bulldozer (BD) Blade, Australia New Zealand F4HFA613N*E002  Low Ground Pressure (LGP) - Non-regulated [NDDC18000 - ]  D180C Bulldozer (BD) Blade, Low Ground Pressure (LGP) - Non-regulated [NDDC18000 - ]  D180C Bulldozer (BD) Blade, Low Ground Pressure (LGP) - Non-regulated [NDDC18000 - ]  D180C Bulldozer (BD) Blade, Latin America F4HFA613N*E002  Low Ground Pressure (LGP) - Non-regulated [NDDC18000 - ]  D180C Bulldozer (BD) Blade, Latin America F4HFA613N*E002  Low Ground Pressure (LGP) - Non-regulated [NDDC18000 - ]		Australia New Zealand	F4HFA613N*E002
[NEDC18000 - ] D180C Bulldozer (BD) Blade, Extra Long Track (XLT) - Non-regulated [NEDC18000 - ] D180C Bulldozer (BD) Blade, Extra Asia Pacific  D180C Bulldozer (BD) Blade, Extra Asia Pacific  F4HFA613N*E002			
D180C Bulldozer (BD) Blade, Extra   Middle East Africa   F4HFA613N*E002   Long Track (XLT) - Non-regulated   NEDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Asia Pacific   F4HFA613N*E002   Long Track (XLT) - Non-regulated   NEDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Australia New Zealand   F4HFA613N*E002   Long Track (XLT) - Non-regulated   NEDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Latin America   F4HFA613N*E002   Long Track (XLT) - Non-regulated   NEDC18000 - ] D180C Bulldozer (BD) Blade, Extra   Middle East Africa   F4HFA613N*E002   Long Track (XLT) - Non-regulated   NEDC18000 - ] D180C Bulldozer (BD) Blade,   Australia New Zealand   F4HFA613N*E002   Low Ground Pressure (LGP) -   Non-regulated   NDDC18000 - ] D180C Bulldozer (BD) Blade,   Latin America   F4HFA613N*E002   Low Ground Pressure (LGP) -   Non-regulated   NDDC18000 - ] D180C Bulldozer (BD) Blade,   Latin America   F4HFA613N*E002   Low Ground Pressure (LGP) -   Non-regulated   NDDC18000 - ] D180C Bulldozer (BD) Blade,   Latin America   F4HFA613N*E002   Low Ground Pressure (LGP) -   Non-regulated   NDDC18000 - ]			
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[NEDC18000 - ] D180C Bulldozer (BD) Blade, Extra Long Track (XLT) - Non-regulated [NFDC18000 - ] D180C Bulldozer (BD) Blade, Extra Long Track (XLT) - Non-regulated [NFDC18000 - ] D180C Bulldozer (BD) Blade, Extra Long Track (XLT) - Non-regulated [NFDC18000 - ] D180C Bulldozer (BD) Blade, Extra Long Track (XLT) - Non-regulated [NFDC18000 - ] D180C Bulldozer (BD) Blade, Extra Long Track (XLT) - Non-regulated [NFDC18000 - ] D180C Bulldozer (BD) Blade, Long Track (XLT) - Non-regulated [NFDC18000 - ] D180C Bulldozer (BD) Blade, Low Ground Pressure (LGP) - Non-regulated [NDDC18000 - ] D180C Bulldozer (BD) Blade, Low Ground Pressure (LGP) - Non-regulated [NDDC18000 - ] D180C Bulldozer (BD) Blade, Low Ground Pressure (LGP) - Non-regulated [NDDC18000 - ] D180C Bulldozer (BD) Blade, Low Ground Pressure (LGP) - Non-regulated [NDDC18000 - ] D180C Bulldozer (BD) Blade, Low Ground Pressure (LGP) - Non-regulated [NDDC18000 - ]			
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Product	Market Product	Engine
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Low Ground Pressure (LGP) -		
Non-regulated [NDDC18000 - ]		
D180C Bulldozer (BD) Blade,	Middle East Africa	F4HFA613N*E002
Low Ground Pressure (LGP) -		
Non-regulated [NEDC18000 - ]		
D180C Bulldozer (BD) Blade,	Australia New Zealand	F4HFA613N*E002
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Non-regulated [NEDC18000 - ]		
D180C Bulldozer (BD) Blade,	Asia Pacific	F4HFA613N*E002
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Non-regulated [NEDC18000 - ]		
D180C Bulldozer (BD) Blade,	Latin America	F4HFA613N*E002
Low Ground Pressure (LGP) -		
Non-regulated [NEDC18000 - ]		
D180C Bulldozer (BD) Blade,	Asia Pacific	F4HFA613N*E002
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Non-regulated [NFDC18000 - ]		
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Non-regulated [NFDC18000 - ]		
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Low Ground Pressure (LGP) -		
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#### **INTRODUCTION**

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#### Foreword - Important notice regarding equipment servicing

D180C ANZ --- APAC --- LA --- MEA

All repair and maintenance work listed in this manual must be carried out only by qualified dealership personnel, strictly complying with the instructions given, and using, whenever possible, the special tools.

Anyone who performs repair and maintenance operations without complying with the procedures provided herein shall be responsible for any subsequent damages.

The manufacturer and all the organizations of its distribution chain, including - without limitation - national, regional, or local dealers, reject any responsibility for damages caused by parts and/or components not approved by the manufacturer, including those used for the servicing or repair of the product manufactured or marketed by the manufacturer. In any case, no warranty is given or attributed on the product manufactured or marketed by the manufacturer in case of damages caused by parts and/or components not approved by the manufacturer.

The manufacturer reserves the right to make improvements in design and changes in specifications at any time without notice and without incurring any obligation to install them on units previously sold. Specifications, descriptions, and illustrative material herein are as accurate as known at time of publication but are subject to change without notice.

In case of questions, refer to your NEW HOLLAND CONSTRUCTION Sales and Service Networks.

#### Safety rules

D180C ANZ --- APAC --- LA --- MEA

#### Personal safety



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible death or injury.

Throughout this manual you will find the signal words DANGER, WARNING, and CAUTION followed by special instructions. These precautions are intended for the personal safety of you and those working with you.

Read and understand all the safety messages in this manual before you operate or service the machine.

A DANGER indicates a hazardous situation that, if not avoided, will result in death or serious injury.

MARNING indicates a hazardous situation that, if not avoided, could result in death or serious injury.

A CAUTION indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

#### FAILURE TO FOLLOW DANGER, WARNING, AND CAUTION MESSAGES COULD RESULT IN DEATH OR SERIOUS INJURY.

#### Machine safety

NOTICE: Notice indicates a situation that, if not avoided, could result in machine or property damage.

Throughout this manual you will find the signal word Notice followed by special instructions to prevent machine or property damage. The word Notice is used to address practices not related to personal safety.

#### Information

**NOTE:** Note indicates additional information that clarifies steps, procedures, or other information in this manual.

Throughout this manual you will find the word Note followed by additional information about a step, procedure, or other information in the manual. The word Note is not intended to address personal safety or property damage.

#### Safety rules - Personal safety

D180C ANZ --- APAC --- LA --- MEA

#### 🕰 General safety rules 🕰

Use caution when you operate the machine on slopes. Raised equipment, full tanks and other loads will change the center of gravity of the machine. The machine can tip or roll over when near ditches and embankments or uneven surfaces.

Never permit anyone other than the operator to ride on the machine.

Never operate the machine under the influence of alcohol or drugs, or while you are otherwise impaired.

When digging or using ground-engaging attachments, be aware of buried cables. Contact local utilities to determine the locations of services.

Pay attention to overhead power lines and hanging obstacles. High voltage lines may require significant clearance for safety.

Hydraulic oil or diesel fuel leaking under pressure can penetrate the skin, causing serious injury or infection.

- DO NOT use your hand to check for leaks. Use a piece of cardboard or paper.
- Stop the engine, remove the key, and relieve the pressure before you connect or disconnect fluid lines.
- Make sure that all components are in good condition. Tighten all connections before you start the engine or pressurize the system.
- If hydraulic fluid or diesel fuel penetrates the skin, seek medical attention immediately.
- Continuous long term contact with hydraulic fluid may cause skin cancer. Avoid long term contact and wash the skin promptly with soap and water.

Keep clear of moving parts. Loose clothing, jewelry, watches, long hair, and other loose or hanging items can become entangled in moving parts.

Wear protective equipment when appropriate.

DO NOT attempt to remove material from any part of the machine while it is being operated or while components are in motion.

Make sure that all guards and shields are in good condition and properly installed before you operate the machine. Never operate the machine with shields removed. Always close access doors or panels before you operate the machine.

Dirty or slippery steps, ladders, walkways, and platforms can cause falls. Make sure these surfaces remain clean and clear of debris.

A person or pet within the operating area of a machine can be struck or crushed by the machine or its equipment. DO NOT allow anyone to enter the work area.

Raised equipment and/or loads can fall unexpectedly and crush persons underneath. Never allow anyone to enter the area underneath raised equipment during operation.

Never operate the engine in enclosed spaces as harmful exhaust gases may build up.

Before you start the machine, be sure that all controls are in neutral or park lock position.

Start the engine only from the operator's seat. If you bypass the safety start switch, the engine can start with the transmission in gear. Do not connect or short across terminals on the starter solenoid. Attach jumper cables as described in the manual. Starting in gear may cause death or serious injury.

Always keep windows, mirrors, and all lighting clean to provide the best possible visibility while you operate the machine.

#### INTRODUCTION

Operate controls only when seated in the operator's seat, except for those controls expressly intended for use from other locations.

Before you leave the machine:

- 1. Park the machine on a firm, level surface.
- 2. Put all controls in neutral or park lock position.
- 3. Engage the parking brake. Use wheel chocks if required.
- 4. Lower all hydraulic equipment Implements, header, etc.
- 5. Turn off the engine and remove the key.

When, due to exceptional circumstances, you would decide to keep the engine running after you leave the operator's station, then you must follow these precautions:

- 1. Bring the engine to low idle speed.
- 2. Disengage all drive systems.

#### 3. A WARNING

Some components may continue to run down after disengaging drive systems. Make sure all drive systems are fully disengaged. Failure to comply could result in death or serious injury.

W0113A

Shift the transmission into neutral.

4. Apply the parking brake.

#### ▲ General maintenance safety ▲

Keep the area used for servicing the machine clean and dry. Clean up spilled fluids.

Service the machine on a firm, level surface.

Install guards and shields after you service the machine.

Close all access doors and install all panels after servicing the machine.

Do not attempt to clean, lubricate, clear obstructions, or make adjustments to the machine while it is in motion or while the engine is running.

Always make sure that working area is clear of tools, parts, other persons and pets before you start operating the machine.

Unsupported hydraulic cylinders can lose pressure and drop the equipment, causing a crushing hazard. Do not leave equipment in a raised position while parked or during service, unless the equipment is securely supported.

Jack or lift the machine only at jack or lift points indicated in this manual.

Incorrect towing procedures can cause accidents. When you tow a disabled machine follow the procedure in this manual. Use only rigid tow bars.

Stop the engine, remove the key, and relieve pressure before you connect or disconnect fluid lines.

Stop the engine and remove the key before you connect or disconnect electrical connections.

Scalding can result from incorrect removal of coolant caps. Cooling systems operate under pressure. Hot coolant can spray out if you remove a cap while the system is hot. Allow the system to cool before you remove the cap. When you remove the cap, turn it slowly to allow pressure to escape before you completely remove the cap.

Replace damaged or worn tubes, hoses, electrical wiring, etc.

The engine, transmission, exhaust components, and hydraulic lines may become hot during operation. Take care when you service such components. Allow surfaces to cool before you handle or disconnect hot components. Wear protective equipment when appropriate.

When welding, follow the instructions in the manual. Always disconnect the battery before you weld on the machine. Always wash your hands after you handle battery components.



#### Fire and explosion prevention 🕰

Fuel or oil that is leaked or spilled on hot surfaces or electrical components can cause a fire.

Crop materials, trash, debris, bird nests, or flammable material can ignite on hot surfaces.

Always have a fire extinguisher on or near the machine.

Make sure that the fire extinguisher(s) is maintained and serviced according to the manufacturer's instructions.

At least once each day and at the end of the day, remove all trash and debris from the machine especially around hot components such as the engine, transmission, exhaust, battery, etc. More frequent cleaning of your machine may be necessary depending on the operating environment and conditions.

At least once each day, remove debris accumulation around moving components such as bearings, pulleys, belts, gears, cleaning fans, etc. More frequent cleaning of your machine may be necessary depending on the operating environment and conditions.

Inspect the electrical system for loose connections and frayed insulation. Repair or replace loose or damaged parts.

Do not store oily rags or other flammable material on the machine.

Do not weld or flame cut any items that contain flammable material. Clean items thoroughly with non-flammable solvents before welding or flame-cutting.

Do not expose the machine to flames, burning brush, or explosives.

Promptly investigate any unusual smells or odors that may occur during operation of the machine.



#### 🕰 General battery safety 🕰



Always wear eye protection when you work with batteries.

Do not create sparks or have open flame near a battery.

Ventilate the area when you charge a battery or use a battery in an enclosed area.

Disconnect the negative (-) terminal first and reconnect the negative (-) terminal last.

When you weld on the machine, disconnect both terminals of the battery.

Do not weld, grind, or smoke near a battery.

When you use auxiliary batteries or connect jumper cables to start the engine, use the procedure shown in the operator's manual. Do not short across terminals.

Follow the manufacturer's instructions when you store and handle batteries.

Battery post, terminals, and related accessories contain lead and lead compounds. Wash hands after handling. This is a California Proposition 65 warning.

Battery acid causes burns. Batteries contain sulfuric acid. Avoid contact with skin, eyes, or clothing. Antidote (external): Flush with water. Antidote (eyes): flush with water for 15 minutes and seek medical attention immediately. Antidote (internal): Drink large quantities of water or milk. Do not induce vomiting. Seek medical attention immediately.

Keep out of reach of children and other unauthorized persons.

#### A Operator presence system A

Your machine is equipped with an operator presence system to prevent the use of some features while the operator is not in the operator's seat.

Never disconnect or bypass the operator presence system.

If the operator presence system is inoperable, then it must be repaired.

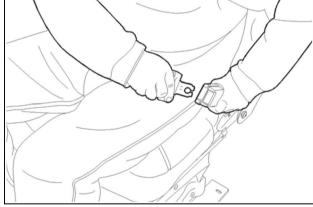
#### A Seat belts A

Seat belts must be worn at all times.

Seat belt inspection and maintenance:

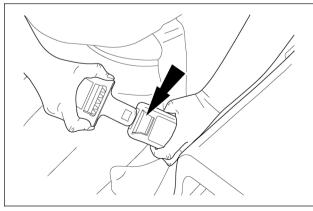
- · Keep seat belts in good condition.
- Keep sharp edges and items than can cause damage away from the belts.
- · Periodically check belts, buckles, retractors, tethers, slack take-up system, and mounting bolts for damage and
- · Replace all parts that have damage or wear.
- · Replace belts that have cuts that can make the belt weak.
- · Check that bolts are tight on the seat bracket or mounting.
- If the belt is attached to the seat, make sure that the seat or seat brackets are mounted securely.
- · Keep seat belts clean and dry.
- · Clean belts only with soap solution and warm water.
- Do not use bleach or dye on the belts because this can make the belts weak.

Pull the right-hand belt from the seat belt retractor. Fasten the metal belt end into the left-hand buckle.



RCIL10CWL037AAL

Press the red button on the left-hand seat belt mechanism to release the seat belt.



RCIL10CWL083FAL

Thanks very much for your reading,

Want to get more information,

Please click here, Then get the complete
manual



#### **NOTE:**

If there is no response to click on the link above, please download the PDF document first, and then click on it.

Have any questions please write to me: admin@servicemanualperfect.com