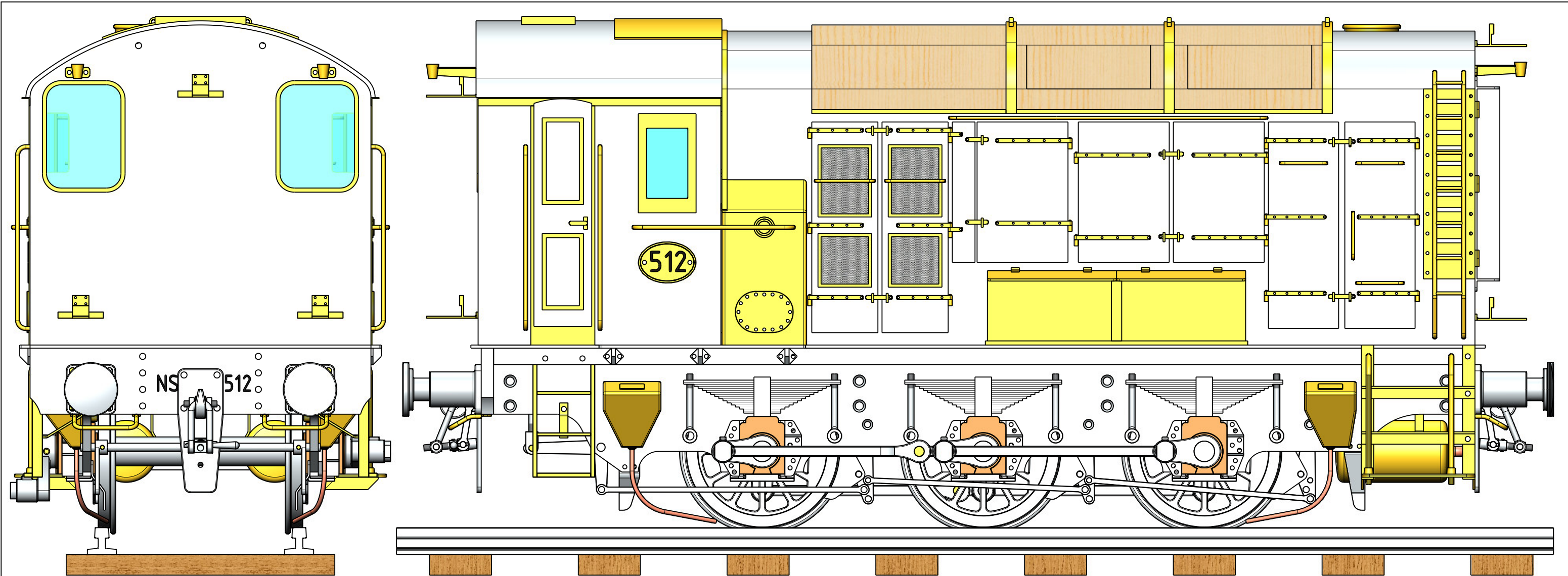




QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER
1	03-18-00-1-01-UNDER FRAME	1	03-18-00-1-25A-HOOD DOOR-A	3	03-18-00-2-01-WHEEL AXLE
9	03-18-00-1-02-AXLE BOX GUIDE	1	03-18-00-1-25B-HOOD DOOR-B	2	03-18-00-2-02-COUPLING ROD
3	03-18-00-1-02-AXLE BOX GUIDE	1	03-18-00-1-25B-HOOD DOOR-B	1	03-18-00-2-03-BRAKE SHOE HANGER
6	03-18-00-1-03-AXLE BOX LEAFSPRING	2	03-18-00-1-26-HOOD DOOR-C	2	03-18-00-2-03-BRAKE SHOE HANGER
6	03-18-00-1-04-AXLE BOX	2	03-18-00-1-26-HOOD DOOR-C	2	03-18-00-2-03-BRAKE SHOE HANGER
2	03-18-00-1-05-BUFFER TYPE-1	1	03-18-00-1-27-HOOD DOOR-D	1	03-18-00-2-03-BRAKE SHOE HANGER
2	03-18-00-1-06-BUFFER TYPE-2	1	03-18-00-1-27-HOOD DOOR-D	6	03-18-00-2-04-BRAKE SHOE
2	03-18-00-1-07-PULL HOOK	1	03-18-00-1-28-HOOD DOOR-E	2	03-18-00-2-05-BRAKE LINK BAR
2	03-18-00-1-08-COUPLING HOOK	1	03-18-00-1-28-HOOD DOOR-E	2	03-18-00-2-06-BRAKE LINK BAR-1
4	03-18-00-1-09-COUPLING LINK	1	03-18-00-1-29-HOOD DOOR-F	1	03-18-00-2-07-BRAKE CROSS BAR
2	03-18-00-1-10-SCREW SPINDLE NUT TYPE-1	1	03-18-00-1-29-HOOD DOOR-F	2	03-18-00-2-08-BRAKE LINK BAR-2
2	03-18-00-1-11-SCREW SPINDLE NUT TYPE-2	1	03-18-00-1-30-HOOD DOOR-G	1	03-18-00-2-09- HAND BAKE COLUMN SPINDLE
2	03-18-00-1-12-SCREW SPINDLE	1	03-18-00-1-30-HOOD DOOR-G	1	03-18-00-2-09- RAIL-89mm
2	03-18-00-1-13-SCREW SPINDLE HANDLE	1	03-18-00-1-31-SIDE INSPECTION BOX		
4	03-18-00-1-14-FRONT+REAR HAND GRIP	1	03-18-00-1-31-SIDE INSPECTION BOX		
1	03-18-00-1-15-FRONT STEP	1	03-18-00-1-32-HOOD FRONT VENT DOOR		
1	03-18-00-1-15-FRONT STEP	6	03-18-00-1-33-LAMP HOLDER BRACKET		
1	03-18-00-1-16-FRONT STEP CROSS BAR	2	03-18-00-1-34-FRONT VENT PLATE		
2	03-18-00-1-17-REAR STEP	4	03-18-00-1-35-SIGNAL FLAG HOLDER		
1	03-18-00-1-18-AIR TANKS	1	03-18-00-1-36-EXHAUST CHIMNEY		
6	03-18-00-1-19-AXLEBOX KEEPER)	2	03-18-00-1-37-FRONT LADDER		
1	03-18-00-1-20-FRONT SANDBOX	2	03-18-00-1-38-BATTERY+TOOLBOX		
1	03-18-00-1-20-FRONT SANDBOX	1	03-18-00-1-39-HOOD ROOF-A		
1	03-18-00-1-21-REAR SANDBOX	2	03-18-00-1-40-HOOD TOP HAND RAIL		
1	03-18-00-1-21-REAR SANDBOX	1	03-18-00-1-41-DRIVERS CABIN		
1	03-18-00-1-22-FRONT RAIL SCOOP	1	03-18-00-1-42-DRIVERS CABIN DOOR		
1	03-18-00-1-22-FRONT RAIL SCOOP	1	03-18-00-1-42-DRIVERS CABIN DOOR		
1	03-18-00-1-23-REAR RAIL SCOOP	1	03-18-00-1-43-DRIVERS CABIN ROOF		
1	03-18-00-1-23-REAR RAIL SCOOP	2	03-18-00-1-44-CABIN SIDE HAND RAIL		
1	03-18-00-1-24-HOOD	4	03-18-00-1-45-CABIN DOOR HAND RAIL		
1	03-18-00-1-25A-HOOD DOOR-A	2	03-18-00-1-46-NUMBER SHIELD		

- NOTES:
0. ALL DRAWINGS ARE IN METRIC MEASUREMENTS
 1. ALL ENGINEERING PRACTICES SHALL BE APPLIED WITH REGARDS TO HOLE AND SHAFT TOLERANCES.
 2. WHERE SCREWS OR BOLTS ARE USED THE CLEARANCE HOLES SHALL BE APPROXIMATELY 5% TO 8% LARGER THAN THE MATCHING TAPPED HOLE.
 3. PREFERABLY ALL TAPPED HOLES AND MATCHING SCREWS AND/OR BOLTS TO BE METRIC FINE (MF)
 4. MATERIALS SPECIFIED ON THE DRAWINGS ARE INDICATIVE ONLY. THE BUILDER CAN MAKE HIS/HER OWN MATERIAL CHOICE.
 5. ALL CONNECTIONS/JOINTS WHICH HAVE STEAM PRESSURE APPLIED TO IT SHALL BE SILVER/HARD SOLDERED.
 6. COMPRESSION SPRINGS ARE DRAWN IN COMPRESSED STATE (CP), UNCOMPRESSED STATE IS APPROX 40% TO 60% LONGER THEN COMPRESSED STATE.
 7. WHERE PREFERRED SCREW OR RIVETED CONNECTIONS CAN BE OMITTED AND PARTS CAN BE BONDED TOGETHER BY USING EITHER HIGH STRENGTH GLUE, EPOXY RESIN, OR SOLDER.
 8. PARTS WHICH ARE DIRECTLY EXPOSED TO STEAM AND/OR WATER SHOULD BE CONSTRUCTED USING NON-FERROUS OR NON CORROSIVE MATERIAL SUCH AS BRASS, BRONZE, GUNMETAL, STAINLESS STEEL, COPPER OR MONEL.
 9. THE ORDER IN WHICH THE PARTS/COMPONENTS ARE MANUFACTURED AND THE MODEL IS ASSEMBLED IS ENTIRELY LEFT TO THE BUILDER/MODEL MAKER.
 10. A COLOUR SCHEME FOR THIS PROJECT IS ENTIRELY LEFT UP TO THE MODEL MAKER.
 11. THE MANNER IN WHICH THE PARTS/COMPONENTS ARE MANUFACTURED IS ENTIRELY LEFT UP TO THE BUILDER.
 12. USE LOCTITE, ON SCREW OR PRESS FIT CONNECTIONS OR SURFACES, WERE DEEMED NECESSARY TO PREVENT PARTS FROM LOOSENING.
 13. WASHERS AND/OR SPRINGWASHERS SHALL BE USED WHERE DEEMED NECESSARY.
 - XX. ERRORS AND/OR OMISSIONS MAY OCCUR IN THE DRAWINGS, DO NOT HESITATE TO CONTACT ME SO THAT THE ERRORS/OMISSIONS CAN BE RECTIFIED.
- OTHER ABBREVIATIONS
- DP = DEEP
DAA= DRILL AFTER ASSEMBLY
D&TAA= DRILL AND TAP AFTER ASSEMBLY
CF = CLOSE FIT (SIZE FOR SIZE)
PF = PRESS FIT
PFAA= PRESS FIT AFTER ASSEMBLY
PCD = PITCH CIRCLE DIAMETER
RM = REAM
HEX = HEXACON, 6SIDED
CP = COMPRESSED
KNL = KNURLED
CSK = COUNTERSINK
PL = PLACES
DWL= DOWEL
SPF= SPOTFACE
(T)HESOP=(TAPPED)HOLES EQUALLY SPACED ON PCD
(T)HESOC=(TAPPED)HOLES EQUALLY SPACED ON CIRCUMFERENCE
OD = OUTSIDE DIAMETER
ID = INSIDE DIAMETER
[SA-xxx]= SUB ASSEMBLY-xxx

NOTES: THIS DESIGN IS BASED ON DRAWINGS WHICH WERE PUBLISHED IN THE "MODELBOUWER" MAGAZINE(S): APRIL-1953, MAY-1953, JUNE-1953, JULY-1953, MARCH-1954, NVM DRAWING NUMBER 40014.

TITLE	DRAWING CONTENTS	PROJECT No	PROJECTION	MODEL SCALE:
DIESEL-ELECTRIC LOCOMOTIVE OF THE DUTCH RAILWAYS SERIES 500. (LOCO 512)	GENERAL ARRANGEMENT	03-18-00	 JDWDS	1:1
		JDW DRAUGHTING SERVICES J.A.M. DE WAAL, 12 BRIGHTWELL STREET PAPA KURA 2110, NEW ZEALAND. PHONE: 0064 09 2988815. MOB: 0211791000 E-MAIL: dewaal@xtra.co.nz.	DATE	DWG SCALE: 1:1 @A3 OR AS SHOWN
			OCTOBER 2019	Copyright © J.A.M. DE WAAL PAPA KURA NZ
			SHEET: 02 OF 10	A3 No: 3-18-00-SHT02

DRAWINGS ARE FOR PERSONAL USE ONLY NOT FOR COMMERCIAL PURPOSES