



DEPARTMENT OF COMMERCE

Bureau of Industry and Security

15 CFR Part 746

[Docket No. 220505-0111]

RIN 0694-AI87

Expansion of Sanctions Against Russian Industry Sectors Under the Export

Administration Regulations (EAR)

AGENCY: Bureau of Industry and Security, Department of Commerce.

ACTION: Final rule.

SUMMARY: In response to the Russian Federation’s (Russia’s) ongoing aggression against Ukraine, the Department of Commerce is expanding the existing sanctions against Russian industry sectors by imposing a license requirement for exports, reexports, or transfers (in-country) to and within Russia for additional items subject to the Export Administration Regulations (EAR) identified under specific Schedule B numbers or Harmonized Tariff Schedule codes. The Bureau of Industry and Security (BIS) is taking these actions to further restrict Russia’s ability to withstand the economic impact of the multilateral sanctions, further limit sources of revenue that could support Russia’s military capabilities, and to better align with the European Union’s controls.

DATES: This rule is effective on [INSERT DATE OF FILING FOR PUBLIC INSPECTION].

FOR FURTHER INFORMATION CONTACT: For questions on this final rule, contact Eileen Albanese, Director, Office of National Security and Technology Transfer Controls, Bureau of Industry and Security, Department of Commerce, Phone: (202) 482-0092, Fax: (202) 482-482-3355, E-mail: rpd2@bis.doc.gov. For emails, include “Russia Industry Sector Sanctions Expansion” in the subject line.

SUPPLEMENTARY INFORMATION:

I. Background

In response to Russia's February 2022 invasion of Ukraine, BIS imposed extensive sanctions on Russia under the Export Administration Regulations (15 CFR parts 730 – 774) (EAR) as part of the final rule *Implementation of Sanctions Against Russia Under the Export Administration Regulations (EAR)* (the Russia Sanctions rule), effective on February 24, 2022, and published on March 3, 2022 (87 FR 12226). Since the publication of the Russia Sanctions rule, BIS has published a number of final rules imposing additional stringent export controls on Russia. These actions reflect the U.S. Government's position that Russia's invasion of Ukraine flagrantly violated international law, was contrary to U.S. national security and foreign policy interests, and undermined global order, peace, and security, all of which necessitated the imposition of stringent and expansive sanctions.

The export control measures in this final rule build upon the policy objectives set forth in one of the subsequent rules, a final rule effective on March 3, 2022, and published on March 8, 2022 (87 FR 12856), *Expansion of Sanctions Against the Russian Industry Sector Under the Export Administration Regulations (EAR)* (Russian Industry Sector Sanctions rule). Among other things, the Russian Industry Sector Sanctions rule revised part 746 of the EAR (Embargoes and Other Special Controls) by adding a new paragraph (a)(1)(ii) which imposed an additional license requirement for exports, reexports, and transfers (in-country) to or within Russia of any items subject to the EAR if identified under certain Schedule B or Harmonized Tariff Schedule 6 (HTS) codes. The Russian Industry Sector Sanctions rule also added supplement no. 4 to part 746 – HTS Codes and Schedule B Numbers that Require a License for Export, Reexport, and Transfer (in-country) to or within Russia pursuant to § 746.5(a)(1)(ii) – which identifies HTS codes and Schedule B numbers that are subject to the license requirement set forth in paragraph

(a)(1)(ii). The four columns added in supplement no. 4 to part 746 consisted of: the Harmonized Tariff Schedule (HTS)-6 Code, HTS Description, Schedule B and Schedule B Description to assist exporters, reexporters, and transferors in identifying the items subject to this license requirement.

This final rule builds upon the policy objectives set forth in the Russian Sanctions rule and the Russian Industry Sector Sanctions rule by expanding upon the latter to further restrict Russia's access to items that it needs to support its military capabilities. The expansion of these export controls under the EAR, implemented in parallel with similarly stringent measures by partner and ally countries, further limits sources of revenue that could support Russia's military capabilities, as well as Russia's ability to withstand the economic impact of the multilateral sanctions.

II. Revisions to the Export Administration Regulations (EAR)

1. Expansion of Russian Industry Sector Sanctions

This final rule amends part 746 of the EAR (Embargoes and Other Special Controls) to further expand the scope of the Russian industry sector sanctions by adding additional HTS codes and Schedule B numbers to supplement no. 4 to part 746 of the EAR, thereby imposing a license requirement for all exports, reexports, and transfers (in-country) to or within Russia for such items. In this final rule, BIS is adding 205 HTS codes at the 6-digit level and 478 corresponding 10-digit Schedule B numbers to better align with the European Union's controls.

2. Clarifications to Supplement No. 4 to Part 746 Controls

This final rule revises supplement no. 4 to part 746 by re-organizing the list of items subject to a license requirement under § 746.5(a)(1)(ii) in order to make it easier for exporters to determine whether a particular item is described in this supplement. Specifically, the columns in supplement no. 4 were previously listed in the following order: Harmonized Tariff Schedule

(HTS)-6 Code, HTS Description, Schedule B, Schedule B Description. This final rule reorganizes the columns to list them in the following order: Schedule B, Schedule B Description, HTS Code, and HTS Description. In addition, this final rule is individually listing the existing Schedule B numbers so each number corresponds with a single HTS Code; previously, some of these Schedule B numbers were listed with multiple HTS Codes. It also reorganizes the list of items by ordering them numerically by Schedule B number; previously they had been organized alphabetically by HTS Description.

This final rule revises the existing language in the introductory text in supplement no. 4 to part 746 to reflect the reorganization of the list. In addition, this final rule adds Schedule B number 8705200000 to the introductory text to indicate it is also listed in both supplements no. 2 and 4 and adds a sentence to indicate that Schedule B number 8412294000 is listed in both supplements no. 4 and 5 to this part.

This final rule also adds a second paragraph to the introductory text in supplement no. 4 to part 746 to clarify the relationship between the four columns included in supplement no. 4 to part 746 by further explaining the scope of the items controlled under § 746.5(a)(1)(ii). The first sentence being added clarifies that under the Foreign Trade Regulations (15 CFR 30.6(a)(12)), exporters can use either the referenced HTS Code or Schedule B number from supplement no. 4 to part 746 when filing Electronic Export Information (EEI) in the Automated Export System (AES). The Russian Industry Sector Sanctions Rule included the applicable HTS-6 Code and Schedule B number and descriptions of items listed in supplement no. 4 to part 746 to assist exporters, reexporters, and transferors who may be more familiar with one or the other of the HTS Code or Schedule B number identification systems. The second sentence being added clarifies that only the items identified in the HTS Description column are subject to the license requirement under § 746.5(a)(1)(ii), which is consistent with how the European Union (EU) applies its comparable controls. Lastly, the third sentence being added clarifies that the other three columns –HTS Code, Schedule B, and Schedule B Description – are only intended to assist

exporters with their AES filing responsibilities and does not indicate that all items classified under those HTS Codes or Schedule B numbers are subject to § 746.5(a)(1)(ii)'s restrictions.

3. Conforming changes

This final rule revises the last sentence of the introductory text of supplement no. 2 to part 746 – Russian Industry Sector Sanction List – to provide guidance on certain Schedule B numbers that are identified in both supplement no. 2 and supplement no. 4 to part 746. It now clarifies that in addition to Schedule B number 8479899850, Schedule B number 8705200000 is also listed in both supplements no. 2 and 4, and that exporters, reexporters, and transferors must comply with the license requirements under both § 746.5(a)(1)(i) and (ii), as applicable, for these Schedule B numbers.

In addition, this final rule adds one sentence at the end of the introductory text of supplement no. 5 to part 746 – ‘Luxury Goods’ That Require a License For Export, Reexport, and Transfer (In-Country) to or Within Russia or Belarus Pursuant to § 746.10(a)(1) and (2) – to provide guidance on one Schedule B number that is identified in both supplements no. 4 and no. 5 to part 746. This sentence clarifies that exporters, reexporters, and transferors must comply with the license requirements under both §§ 746.5(a)(ii) and 746.10 as applicable, for Schedule B number 8412294000.

In § 746.5 (Russian industry sector sanctions), this final rule revises the license review policy in paragraph (b)(2) to specify that applications involving items that meet humanitarian needs will be reviewed under a case-by case license review policy. This case-by-case license review policy will allow for discretion in approving licenses for items that meet humanitarian needs while also providing discretion to deny licenses for items that could generate revenue to support Russia’s military capabilities.

Savings Clause

For the changes being made in this final rule, shipments of items removed from eligibility for a License Exception or export, reexport, or transfer (in-country) without a license (NLR) as a result of this regulatory action that were en route aboard a carrier to a port of export, reexport, or transfer (in-country), on [INSERT DATE OF FILING FOR PUBLIC INSPECTION], pursuant to actual orders for export, reexport, or transfer (in-country) to or within a foreign destination, may proceed to that destination under the previous eligibility for a License Exception or export, reexport, or transfer (in-country) without a license (NLR).

Export Control Reform Act of 2018

On August 13, 2018, the President signed into law the John S. McCain National Defense Authorization Act for Fiscal Year 2019, which included the Export Control Reform Act of 2018 (ECRA) (codified, as amended, at 50 U.S.C. Sections 4801–4852). ECRA provides the legal basis for BIS’s principal authorities and serves as the authority under which BIS issues this rule.

Rulemaking Requirements

1. This final rule is not a “significant regulatory action” because it “pertain[s]” to a “military or foreign affairs function of the United States” under sec. 3(d)(2) of Executive Order 12866.
2. Notwithstanding any other provision of law, no person is required to respond to, nor shall any person be subject to a penalty for failure to comply with, a collection of information subject to the requirements of the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.) (PRA), unless that collection of information displays a currently valid Office of Management and Budget (OMB) Control Number.

This rule involves three collections of information. BIS believes there will be minimal burden changes to two of these collections—Five-Year Records Retention Requirement for Export Transactions and Boycott Actions (OMB control number 0694–0096) and Automated Export System (AES) Program (OMB control number 0607– 0152).

However, Multi-Purpose Application (OMB control number 0694–0088) will exceed existing estimates currently associated with this collection as BIS believes the respondent burden could increase the estimated number of submissions by 670 for license applications submitted annually to BIS. BIS estimates the burden hours associated with this collection would increase by 331 hours (i.e., 670 applications × 30.6 minutes per response) for a total estimated cost increase of \$9,930 (i.e., 331 hours × \$30 per hour). The \$30 per hour cost estimate for OMB control number 0694–0088 is consistent with the salary data for export compliance specialists currently available through glassdoor.com (glassdoor.com estimates that an export compliance specialist makes \$55,280 annually, which computes to roughly \$26.58 per hour). BIS is in the process of updating this information collection to account for the increase in burden hours and costs posed by this rule. Comments on the methodology associated with calculating the cost or burden increases or any other aspect of this collection can be submitted via www.regulations.gov by searching for OMB Control Number 0694-0088.

3. This rule does not contain policies with federalism implications as that term is defined in Executive Order 13132.

4. Pursuant to section 1762 of the Export Control Reform Act of 2018 (50 U.S.C. 4821) (ECRA), this action is exempt from the Administrative Procedure Act (APA) (5 U.S.C. 553) requirements for notice of proposed rulemaking, opportunity for public participation, and delay in effective date. While section 1762 of ECRA provides sufficient authority for such an exemption, this action is also independently exempt from these APA requirements because it involves a military or foreign affairs function of the United States (5 U.S.C. 553(a)(1)).

5. Because a notice of proposed rulemaking and an opportunity for public comment are not required to be given for this rule by 5 U.S.C. 553, or by any other law, the analytical requirements of the Regulatory Flexibility Act, 5 U.S.C. 601, et seq., are not applicable. Accordingly, no regulatory flexibility analysis is required and none has been prepared.

List of Subjects in 15 CFR Part 746

Exports, Reporting and recordkeeping requirements.

For the reasons stated in the preamble, part 746 of the Export Administration Regulations (15 CFR parts 730 through 774) is amended as follows:

PART 746 – EMBARGOES AND OTHER SPECIAL CONTROLS

1. The authority citation for 15 CFR part 746 continues to read as follows:

Authority: 50 U.S.C. 4801-4852; 50 U.S.C. 4601 *et seq.*; 50 U.S.C. 1701 *et seq.*; 22 U.S.C. 287c; Sec 1503, Pub. L. 108-11, 117 Stat. 559; 22 U.S.C. 2151 note; 22 U.S.C. 6004; 22 U.S.C. 7201 *et seq.*; 22 U.S.C. 7210; E.O. 12854, 58 FR 36587, 3 CFR, 1993 Comp., p. 614; E.O. 12918, 59 FR 28205, 3 CFR, 1994 Comp., p. 899; E.O. 13222, 66 FR 44025, 3 CFR, 2001 Comp., p. 783; E.O. 13338, 69 FR 26751, 3 CFR, 2004 Comp., p 168; Presidential Determination 2003-23, 68 FR 26459, 3 CFR, 2004 Comp., p. 320; Presidential Determination 2007-7, 72 FR 1899, 3 CFR, 2006 Comp., p. 325; Notice of May 6, 2021, 86 FR 26793 (May 10, 2021).

2. Section 746.5 is amended by revising paragraph (b)(2) to read as follows:

§ 746.5 Russian industry sector sanctions.

* * * * *

(b) * * *

(2) Applications for the export, reexport, or transfer (in-country) of any item pursuant to paragraph (a)(1)(ii) of this section that requires a license for Russia will be reviewed under a policy of denial, except that applications for export, reexport, or transfer (in-country) of items that may be necessary

for health and safety reasons or for items that meet humanitarian needs will be reviewed under a case-by case license review policy.

* * * * *

3. Supplement no. 2 to part 746 is amended by revising the last sentence of the introductory text to read as follows:

Supplement No. 2 to Part 746 – Russian Industry Sector Sanction List

* * * Schedule B numbers 8479899850 and 8705200000 are listed in both this supplement and supplement no. 4 to this part, so exporters, reexporters, and transferors must comply with the license requirements under both § 746.5(a)(1)(i) and (ii) as applicable.

* * * * *

4. Supplement no. 4 to part 746 is revised to read as follows:

Supplement No. 4 to Part 746 – HTS Codes and Schedule B Numbers that Require a License for Export, Reexport, and Transfer (in-country) to or within Russia pursuant to § 746.5(a)(1)(ii)

(a) The source for the Schedule B numbers and descriptions and Harmonized Tariff Schedule (HTS)-6 codes and descriptions in this list comes from the Bureau of the Census’s Schedule B concordance of exports 2022. Census’s Schedule B List 2022 can be found at www.census.gov/foreign-trade/aes/documentlibrary/#concordance. The Introduction Chapter of the Schedule B provides important information about classifying products and interpretations of the Schedule B, *e.g.*, NESOI means Not Elsewhere Specified or Included. In addition, important information about products within a particular chapter may be found at the beginning of chapters. This supplement includes four columns consisting of the Schedule B, Schedule B Description, HTS Code, and HTS Description to assist exporters, reexporters, and transferors in

identifying the products in this supplement. For information on HTS codes in general, you may contact a local import specialist at U.S. Customs and Border Protection at the nearest port. Schedule B numbers 8479899850 and 8705200000 are listed in both this supplement and supplement no. 2 to this part, so exporters, reexporters, and transferors must comply with the license requirements under both § 746.5(a)(1)(i) and (ii) as applicable. Schedule B number 8412294000 is listed in both this supplement and supplement no. 5 to this part, so exporters, reexporters, and transferors must comply with the license requirements under both §§ 746.5(a)(ii) and 746.10 as applicable.

(b) Under the Foreign Trade Regulations (FTR) (15 CFR part 30), exporters can use either the HTS Code or Schedule B number when filing Electronic Export Information (EEI) in the Automated Export System (AES), therefore the applicable HTS Codes and Schedule B numbers and descriptions are included in this supplement to assist exporters, reexporters, and transferors who may be more familiar with one or the other of the HTS-6 Code or Schedule B number identification systems. Only the items identified in the HTS Description column of this supplement are subject to the license requirement under § 746.5(a)(1)(ii). The other 3 columns – HTS Code, Schedule B and Schedule B Description – are intended to assist exporters with their AES filing responsibilities. If an item is classified under one of these HTS Codes or Schedule B numbers, but it is not described by the relevant entry in the HTS Description column, it is not subject to the license requirement set forth in § 746.5(a)(1)(ii).

Schedule B	Schedule B Description	HTS Code	HTS Description
3815190000	Supported Catalysts, Nesoi	381519	Supported Catalysts, Nesoi
4408100100	Veneer Sheets And Sheets For Plywood And Other Wood Sawn Lengthwise, Sliced Or Peeled, Thickness Not Over 6 Mm, Coniferous	440810	Veneer Sheet Etc, Not Over 6mm Thick, Coniferous
4408900105	Ash Veneer Sheets And Sheets For Plywood And Other Wood, Sawn Lengthwise, Sliced Or Peeled,	440890	Veneer Sheet Etc, Not Ov 6mm, Nonconiferous Nesoi

	Thickness Not Exceeding 6 Mm, Spliced Or End-jointed		
4408900110	Birch Veneer Sheets And Sheets For Plywood And Other Wood, Sawn Lengthwise, Sliced Or Peeled, Thickness Not Exceeding 6 Mm, Spliced Or End-jointed	440890	Veneer Sheet Etc, Not Ov 6mm, Nonconiferous Nesoi
4408900115	Cherry Wood Veneer Sheets & Sheets For Plywood And Other Wood, Sawn Lengthwise, Sliced Or Peeled, Thickness Not Exceeding 6 Mm, Spliced Or End-jointed	440890	Veneer Sheet Etc, Not Ov 6mm, Nonconiferous Nesoi
4408900121	Maple Veneer Sheets And Sheets For Plywood And Other Wood, Sawn Lengthwise, Sliced Or Peeled, Thickness Not Exceeding 6 Mm, Spliced Or End-jointed	440890	Veneer Sheet Etc, Not Ov 6mm, Nonconiferous Nesoi
4408900131	Red Oak Veneer Sheets And Sheets For Plywood And Other Wood, Sawn Lengthwise, Sliced Or Peeled, Thickness Not Exceeding 6 Mm, Spliced Or End-jointed	440890	Veneer Sheet Etc, Not Ov 6mm, Nonconiferous Nesoi
4408900137	Oak, Except Red, Veneer Sheets & Sheets For Plywood & Other Wood, Sawn Lengthwise, Sliced Or Peeled, Thickness Not Over 6 Mm, Spliced Or End-jointed	440890	Veneer Sheet Etc, Not Ov 6mm, Nonconiferous Nesoi
4408900145	Walnut Veneer Sheets And Sheets For Plywood And Other Wood, Sawn Lengthwise, Sliced Or Peeled, Thickness Not Exceeding 6 Mm, Spliced Or End-jointed	440890	Veneer Sheet Etc, Not Ov 6mm, Nonconiferous Nesoi
4408900151	Veneer Sheets And Sheets For Plywood And Other Wood, Nesoi, Sawn Lengthwise, Sliced Or Peeled, Thickness Not Exceeding 6 Mm, Spliced Or End-jointed	440890	Veneer Sheet Etc, Not Ov 6mm, Nonconiferous Nesoi
4408900189	Veneer Sheets, Sheets For Plywood & Other Laminated Wood, Nesoi, Sawn Lengthwise, Sliced Or Peeled, Thickness Not Over 6 Mm, Not Spliced Or End Jointed	440890	Veneer Sheet Etc, Not Ov 6mm, Nonconiferous Nesoi
4416003010	Casks, Barrels And Hogsheads, New, Of Wood	441600	Casks, Barrels, Vats, Etc. And Parts, Of Wood
4416003020	Casks, Barrels And Hogsheads, Used, Assembled (Set Up), Of Wood	441600	Casks, Barrels, Vats, Etc. And Parts, Of Wood
4416003030	Casks, Barrels And Hogsheads, Used, Unassembled (Knocked Down), Of Wood	441600	Casks, Barrels, Vats, Etc. And Parts, Of Wood

4416006010	Staves, New, Of Wood	441600	Casks, Barrels, Vats, Etc. And Parts, Of Wood
4416006020	Hoops, New, Of Wood	441600	Casks, Barrels, Vats, Etc. And Parts, Of Wood
4416006030	Tight Barrelheads, New, Of Softwood	441600	Casks, Barrels, Vats, Etc. And Parts, Of Wood
4416006040	Staves, Used, Of Wood	441600	Casks, Barrels, Vats, Etc. And Parts, Of Wood
4416006050	Hoops, Of Wood, Tight Barrelheads Of Softwood, Used	441600	Casks, Barrels, Vats, Etc. And Parts, Of Wood
4416009020	Vats, Tubs And Other Coopers' Products And Parts Thereof, Of Wood, New, Nesoi	441600	Casks, Barrels, Vats, Etc. And Parts, Of Wood
4416009040	Vats, Tubs And Other Coopers' Products And Parts Thereof, Of Wood, Used, Nesoi	441600	Casks, Barrels, Vats, Etc. And Parts, Of Wood
7309000030	Tanks, Of Iron Or Steel, Of A Capacity Exceeding 300 Liters, Whether Or Not Lined Or Heat Insulated, Not Fitted W Mechan Or Thermal Equip Not F Gases	730900	Tanks Etc, Over 300 Liter Capacity, Iron Or Steel
7309000090	Reservoirs, Vats And Similar Containers Of Iron Or Steel, Capacity Over 300 Liters, Not Fitted With Mechanical Or Thermal Equip, Not For Liq O Cmp Gas	730900	Tanks Etc, Over 300 Liter Capacity, Iron Or Steel
7310100010	Empty Steel Drums And Barrels, Of A Capacity Of 50 To 300 Liters, Not For Liq Gas, Not Fitted With Mechanical Or Thermal Equipment	731010	Tanks Etc, Capacity Notun50notov300 Liter, Ir & St
7310100050	Tanks, Casks, Cans, Boxes And Similar Containers Nesoi, Capacity 50-300 Liters, Iron Or Steel, Not Fitted With Mechanical Or Thermal Equipnot F Gases	731010	Tanks Etc, Capacity Notun50notov300 Liter, Ir & St
8207600030	Broaches	820760	Tools For Boring Or Broaching, And Pts, Base Mtl
8207600060	Othr Boring Tools Nesoi And Parts Throf	820760	Tools For Boring Or Broaching, And Pts, Base Mtl
8208100000	Knives And Cutting Blades For Metal Working And Parts Thereof	820810	Knvs A Ctng Blds F Mtl Wrkng A Prts
8208200000	Knives And Cutting Blades For Wood Working And Parts Thereof	820820	Knvs A Ctng Blds F Wood Wrkng A Prts
8208300000	Knives And Cutting Blades For Kitchen Appliances Or For Machines Used By The Food Industry, And Parts	820830	Kns A Ctng Blds F Ktchn Appln O Fd Ind Mach A Pts
8208400000	Knives And Cutting Blades For Agricultural Or Forestry Machines, And Parts	820840	Knvs A Ctng Blds F Agric O Frstry Mach, A Pts

8208900000	Other Knives And Cutting Blades For Machines Or Mechanical Appliances, And Parts Thereof, Of Base Metal	820890	Oth Knvs A Cttng Blds F Mach Or Mech Eqp, Pts B Mt
8402120000	Watertube Boilers With A Steam Production Not Exceeding 45 T Per Hour	840212	Watertube Boilers Steam Prod Not Exc 45 T Per Hour
8402190000	Vapor Generating Boilers, Nesoi, Including Hybrid Boilers	840219	Vapor Generating Boilers, Nesoi, Inc Hybrid
8402200000	Super-heated Water Boilers	840220	Super-heated Water Boilers
8402900010	Heat Exchangers	840290	Super-heated Water Boilers & Steam Genrtn Boil Pts
8402900090	Parts For Steam Or Other Vapor Generating Boilers And Super-heated Water Boilers, Except Heat Exchangers	840290	Super-heated Water Boilers & Steam Genrtn Boil Pts
8405900000	Parts For Producer Gas, Water Gas, Acetylene Gas And Similar Water Process Gas Generators, With Or Without Their Purifiers	840590	Pts,prod Gas,wtr Gas,acetylene Gas,wtr Pro Gas Gen
8406900040	Parts For Steam Turbines	840690	Parts For Steam And Other Vapor Turbines
8406900080	Parts For Other Than Steam Vapor Turbines	840690	Parts For Steam And Other Vapor Turbines
8412100010	Missile And Rocket Reaction Engines	841210	Reaction Engines Other Than Turbojets
8412100090	Reaction Engines Except Missile And Rocket Engines	841210	Reaction Engines Other Than Turbojets
8412210015	Linear Acting Hydraulic Motors With Tie-rod Type Cylinders	841221	Hydraulic Power Engines And Motors, Linear Acting
8412210030	Linear Acting Hydraulic Motors With Weld Fused Type Cylinders	841221	Hydraulic Power Engines And Motors, Linear Acting
8412210045	Linear Acting Hydraulic Motors With Telescoping Type Cylinders	841221	Hydraulic Power Engines And Motors, Linear Acting
8412210060	Linear Acting Hydraulic Motors With Rodless Type Cylinders	841221	Hydraulic Power Engines And Motors, Linear Acting
8412210075	Linear Acting Hydraulic Motors (Cylinders), Nesoi	841221	Hydraulic Power Engines And Motors, Linear Acting
8412298015	Hydraulic Power Engines, Unlimited Rotary Acting, Gear Type	841229	Hydraulic Power Engines & Motors Ex Linear Acting
8412298030	Hydraulic Power Engines, Unlimited Rotary Acting, Radial Piston Type	841229	Hydraulic Power Engines & Motors Ex Linear Acting
8412298045	Hydraulic Power Engines, Unlimited Rotary Acting, Axial Piston Type	841229	Hydraulic Power Engines & Motors Ex Linear Acting
8412298060	Hydraulic Power Engines, Unlimited Rotary Acting, Nesoi	841229	Hydraulic Power Engines & Motors Ex Linear Acting
8412298075	Hydraulic Power Engines And Motors, Nesoi	841229	Hydraulic Power Engines & Motors Ex Linear Acting

8412390040	Pneumatic Power Engines And Motors, Unlimited Rotary Acting	841239	Pneumatic Power Engines & Motors Ex Linear Acting
8412390080	Pneumatic Power Engines And Motors, Nesoi	841239	Pneumatic Power Engines & Motors Ex Linear Acting
8412801000	Spring-operated And Weight-operated Motors	841280	Engines And Motors, Nesoi
8412809000	Engines And Motors, Nesoi	841280	Engines And Motors, Nesoi
8414901040	Parts Of Fans (Including Blowers) And Ventilating Or Recycling Hoods For Permanent Installation (Of Subheading 8414.51.00)	841490	Air/gas Pump, Compressor And Fan Etc Parts, Nesoi
8414901080	Parts Of Other Fans (Including Blowers) And Ventilating Or Recycling Hoods Not Permanently Installed, Nesoi	841490	Air/gas Pump, Compressor And Fan Etc Parts, Nesoi
8414902015	Parts Nesoi, Of Refrigerating And Air Conditioning Compressors	841490	Air/gas Pump, Compressor And Fan Etc Parts, Nesoi
8414902095	Parts Nesoi, Of Compressors Other Than Refrigerating And Air Conditioning Compressors	841490	Air/gas Pump, Compressor And Fan Etc Parts, Nesoi
8414909100	Parts Of Air Or Vacuum Pumps, Nesoi	841490	Air/gas Pump, Compressor And Fan Etc Parts, Nesoi
8415200000	Automotive Air Conditioners	841520	Automotive Air Conditioners
8415830050	Condensing Units Not Exceeding 17.58 Kw/Hr, Not Incorporating A Refrigerating Unit	841583	Air Conditioning Machines Etc Not Incl Refrig Unit
8415830060	Condensing Units Exceeding 17.58 Kw/Hr (60000 Btu/Hr), Not Incorporating A Refrigerating Unit	841583	Air Conditioning Machines Etc Not Incl Refrig Unit
8415830070	Heat Exchangers, Not Incorporating A Refrigerating Unit, Nesoi	841583	Air Conditioning Machines Etc Not Incl Refrig Unit
8415830090	Air Conditioning Machines Not Incorporating A Refrigerating Unit, Nesoi	841583	Air Conditioning Machines Etc Not Incl Refrig Unit
8418690110	Icemaking Machines	841869	Refrigerating/freezing Equipment, Nesoi
8418690120	Drinking Water Coolers, Refrigerated, Self-contained	841869	Refrigerating/freezing Equipment, Nesoi
8418690130	Soda Fountain And Beer Dispensing Equipment, Refrigerated	841869	Refrigerating/freezing Equipment, Nesoi
8418690140	Centrifugal Liquid Chilling Refrigerating Units	841869	Refrigerating/freezing Equipment, Nesoi
8418690150	Reciprocating Liquid Chilling Refrigerating Units	841869	Refrigerating/freezing Equipment, Nesoi
8418690160	Absorption Liquid Chilling Units	841869	Refrigerating/freezing Equipment, Nesoi
8418690180	Refrigerating Or Freezing Equipment, Nesoi	841869	Refrigerating/freezing Equipment, Nesoi

8419400080	Distilling Or Rectifying Plant, For The Treatment Of Materials By A Process Involving A Change In Temperature, Nesoi	841940	Distilling or rectifying plant
8419899585	Industrial Machinery, Plant Or Equipment For The Treatment Of Materials, Involving A Change In Temperature, Nesoi	841989	Machine Etc For Mat'l Treatment By Temp Cont Nesoi
8420910000	Cylinders For Calendering Or Other Rolling Machines, Other Than For Metals Or Glass	842091	Cylinders F Rolling Mach, Exc F Metals Or Glass
8420990000	Parts, Except Cylinders, For Calendering Or Other Rolling Machines, Other Than For Metals Or Glass	842099	Parts,nesoi,f Folling Mach, Exc F Metals Or Glass
8421190000	Centrifuges, Including Centrifugal Dryers, Nesoi	842119	Centrifuges, Nesoi
8421230000	Oil Or Fuel Filters For Internal Combustion Engines	842123	Oil Or Fuel Filters For Internal Combustion Engine
8421290005	Refrigerant Recovery And Recycling Units For Filtering Or Purifying Liquids	842129	Filter/purify Machine & Apparatus For Liquid Nesoi
8421290015	Oil-separation Equipment For Filtering Or Purifying Liquid	842129	Filter/purify Machine & Apparatus For Liquid Nesoi
8421290040	Hydraulic Fluid Power Filters, Rated At 1000 Kpa Or Greater	842129	Filter/purify Machine & Apparatus For Liquid Nesoi
8421290065	Filtering Or Purifying Machinery And Apparatus For Liquids, Nesoi	842129	Filter/purify Machine & Apparatus For Liquid Nesoi
8421310000	Intake Air Filters For Internal Combustion Engines	842131	Intake Air Filters For Internal Combustion Engines
8421390140	Gas Separation Equipment	842131	Intake Air Filters For Internal Combustion Engines
8421390190	Filtering Or Purifying Machinery And Apparatus For Gases, Nesoi	842131	Intake Air Filters For Internal Combustion Engines
8421910000	Parts Of Centrifuges, Including Centrifugal Dryers	842191	Parts Of Centrifuges, Including Centrifugal Dryers
8421990140	Parts Of Machinery And Apparatus For Filtering Or Purifying Water	842199	Filter/purify Machine & Apparatus Parts
8421990180	Parts Of Machinery And Apparatus For Filtering Or Purifying Liquids And Gases, Nesoi	842199	Filter/purify Machine & Apparatus Parts
8424100000	Fire Extinguishers, Whether Or Not Charged	842410	Fire Extinguishers, Whether Or Not Charged
8424890000	Mechanical Appliances (Whether Or Not Hand Operated) For Projecting, Dispersing Or Spraying Liquids Or Powders, Nesoi	842489	Mechanical Appliance For Projecting Liquids Nesoi
8424902000	Parts Of Sand Blasting Machines	842490	Pts For Mechanical Appliance Project Liquid Etc
8424909040	Parts Of Steam And Similar Jet Projecting Machines	842490	Pts For Mechanical Appliance Project Liquid Etc

8424909500	Parts, Nesoi, Of Mechanical Appliances For Projecting, Dispersing Or Spraying Liquids Or Powders; Of Fire Extinguishers; Of Spray Guns	842490	Pts For Mechanical Appliance Project Liquid Etc
8425110000	Pulley Tackle And Hoists, Other Than Skip Hoists Or Hoists Of A Kind Used For Raising Vehicles, Powered By Electric Motor	842511	Puly Tac&host,exc Skip,host Fr Rais Veh, Pow El Mt
8425310100	Winches And Capstans Powered By Electric Motors	842531	Winches And Capstans Powered By Electric Motors
8426120000	Mobile Lifting Frames On Tires And Straddle Carriers	842612	Mobile Lifting Frames On Tires & Straddle Carriers
8426990000	Lifting Machinery, Nesoi	842699	Lifting Or Handling Machinery, Nesoi
8428200010	Conveyors,Pneumatic,Nesoi	842820	Pneumatic Elevators And Conveyors
8428200050	Elevators, Pneumatic, Nesoi	842820	Pneumatic Elevators And Conveyors
8428320000	Continuous-action Elevators And Conveyors, For Goods Or Materials, Bucket Type	842832	Cont-act Elev & Convey,fr Goods Or Matl,bucket Typ
8428330000	Belt Type Continuous-action Elevators And Conveyors,For Goods Or Materials,Nesoi	842833	Cont-act Elev & Convey,fr Goods Or Matl,belt Type
8428390000	Continuous-action Elevators And Conveyors,For Goods Or Materials,Nesoi	842839	Cont-act Elev & Convey,fr Goods Or Materls, Nesoi
8428900310	Woodland Log Handling Equipment (Other Than Skidders)	842890	Lifting, Handling, Loading & Unloading Machy Nesoi
8428900390	Machinery For Lifting, Handling, Loading Or Unloading, Nesoi	842890	Lifting, Handling, Loading & Unloading Machy Nesoi
8429190010	Bulldozers And Angledozer, Self-propelled, New, Except Track Laying	842919	Bulldozers And Angledozer, Self-prop Nesoi
8429190090	Bulldozers And Angledozer, Self-propelled, Used Or Rebuilt, Except Track Laying	842919	Bulldozers And Angledozer, Self-prop Nesoi
8429591030	Backhoes, New, Except 360 Degree Revolving Superstructure	842959	Mech Shovels, Excavators And Shovel Loaders Nesoi
8429591060	Shovels, Clamshells And Draglines, New, Except 360 Degree Revolving Superstructures	842959	Mech Shovels, Excavators And Shovel Loaders Nesoi
8429591090	Backhoes,Shovels,Clamshells,Drag lines,Used Or Rebuilt	842959	Mech Shovels, Excavators And Shovel Loaders Nesoi
8429595020	Ladder Type Ditchers And Trenchers, New	842959	Mech Shovels, Excavators And Shovel Loaders Nesoi
8429595040	Ditchers And Trenchers, Except Ladder Type, New	842959	Mech Shovels, Excavators And Shovel Loaders Nesoi
8429595060	Mechanical Shovels, Excavators And Shovel Loaders, Except 360	842959	Mech Shovels, Excavators And Shovel Loaders Nesoi

	Degree Revolving Superstructures, New, Nesoi		
8429595080	Mechanical Shovels, Excavators And Shovel Loaders, Except 360 Degree Revolving Superstructures Used Or Rebuilt, Nesoi	842959	Mech Shovels, Excavators And Shovel Loaders Nesoi
8430100000	Pile-drivers And Pile-extractors	843010	Pile-drivers And Pile-extractors
8430390000	Coal Or Rock Cutters And Tunneling Machinery, Other Than Self-propelled	843039	Coal Or Rock Cutters & Tunnel Mach, Nesoi
8430500000	Moving, Grading, Leveling, Scraping, Excavating, Extracting Machinery For Earth, Minerals Or Ores, Self-propelled, Nesoi	843050	Moving, Grading Etc Machines Etc Nesoi, Self-prop
8430690100	Moving,Grading,Leveling,Scraping ,Excavating,Extracting Machinery For Earth,Minerals Or Ores,Not Self-propelled,Nesoi	843069	Moving, Grading Etc Machines Etc Nesoi, No Self-pr
8439100010	Machinery For Making Pulp Of Fibrous Cellulosic Material, New	843910	Machy For Mkg Pulp Of Fibrous Cellulosic Material
8439100090	Machinery For Making Pulp Of Fibrous Cellulosic Material, Used Or Rebuilt	843910	Machy For Mkg Pulp Of Fibrous Cellulosic Material
8439300000	Machinery For Finishing Paper Or Paperboard	843930	Machinery For Finishing Paper Or Paperboard
8440900000	Parts For Bookbinding Machinery, Including Book-sewing Machines	844090	Parts For Bookbind Mach, Inc Book-sew Machines
8441300000	Machines For Making Cartons, Boxes, Cases, Tubes, Drums Or Similar Containers, Other Than By Molding	844130	Mac Fr Mak Cart,box,case,tube,drum Or Cont Ex Mold
8442400000	Parts Of Machinery, Apparatus And Equipment, Nesoi, For Preparing Or Making Printing Blocks, Plates, Cylinders Or Other Printing Components	844240	Parts Of Mach & Equip F Make Print Blocks, Etc
8443130000	Offset Printing Machinery, Nesoi	844313	Offset Printing Machinery, Nesoi
8443150000	Letterpress Printing Machinery, Except Reel-fed (Excluding Flexograph)	844315	Letterpress Printing Mach, Exc Flexographic, Nesoi
8443160000	Flexographic Printing Machinery	844316	Flexographic Printing Machinery
8443170000	Gravure Printing Machinery	844317	Gravure Printing Machinery
8443911000	Machines For Uses Ancillary To Printing	844391	Pts & Acc Print Mach By Means Of Plate, Cylnr Etc
8443912000	Parts Of Textile Printing Machinery	844391	Pts & Acc Print Mach By Means Of Plate, Cylnr Etc

8443913000	Parts Of Printing Machinery, Except Textile, And Machines For Uses Ancillary To Printing	844391	Pts & Acc Print Mach By Means Of Plate, Cylndr Etc
8444000010	Texturing Machines For Man-made Textile Materials	844400	Machines Extruding, Drawing Etc Manmade Textiles
8444000090	Machines For Extruding, Drawing Or Cutting Man-made Textile Materials	844400	Machines Extruding, Drawing Etc Manmade Textiles
8446210000	Power Looms For Weaving Fabrics Of A Width Exceeding 30 Cm, Shuttle Type	844621	Power Looms For Weaving Fab,width Exc 30cm,shuttle
8446290000	Weaving Machines (Looms) For Weaving Fabrics Of A Width Exceeding 30 Cm, Shuttle Type, Nesoi	844629	Weaving Mach,fabric Exceed 30cm,shuttle Type,nesoi
8448110000	Dobbies And Jacquard; Card Reducing, Copying, Punching Or Assembling Machines For Use As Auxiliary Machines Of Heading 8444, 8445, 8446 Or 8447	844811	Dob & Jac;card Reduc,copy,punch,assm Mac As Aux Mc
8448190000	Auxiliary Machinery,Nesoi, For Machines Of Heading 8444, 8445, 8446 Or 8447	844819	Auxiliary Mac For Text Machines (head 8444 - 8447)
8448201000	Parts Of Machines For Extruding Or Drawing Man-made Textile Filaments	844820	Pt & Access For Mach For Extruding mm Text Mtl Etc
8448205010	Parts Of Texturing Machines	844820	Pt & Access For Mach For Extruding mm Text Mtl Etc
8448205090	Parts And Accessories Of Machines Of Heading 8444 Or Of Their Auxiliary Machinery	844820	Pt & Access For Mach For Extruding mm Text Mtl Etc
8448330000	Spindles, Spindle Flyers, Spinning Rings And Ring Travellers	844833	Spindles,spin Flyers,spin Rings & Ring Travellers
8448391000	Parts Of Spinning, Doubling Or Twisting Machines	844839	Pts & Access For Spinning, Winding Mach Etc Nesoi
8448395000	Parts Of Winding Or Reeling Machines	844839	Pts & Access For Spinning, Winding Mach Etc Nesoi
8448399000	Parts And Accessories Of Machines Of Heading 8445 Or Of Their Auxiliary Machinery, Nesoi	844839	Pts & Access For Spinning, Winding Mach Etc Nesoi
8448420000	Reeds For Looms, Healds And Heald-frames	844842	Reeds For Looms, Healds And Heald-frames
8448491000	Shuttles	844849	Parts & Acces Of Weav Mach Or Their Aux Mach,nesoi
8448492000	Parts And Accessories Of Weaving Machines (Looms) Or Of Their Auxiliary Machinery, Nesoi	844849	Parts & Acces Of Weav Mach Or Their Aux Mach,nesoi
8448514000	Needles For Knitting Machines	844851	Sinkers Needles & Oth Arts Used In Formng Stitches

8448515000	Sinkers, Needles And Other Articles Used In Forming Stitches, Nesoi	844851	Sinkers Needles & Oth Arts Used In Formng Stitches
8451100000	Dry-cleaning Machines	845110	Dry-cleaning Machines For Yarn, Fabric Or Articles
8451290010	Drying Machines, For Drying Made Up Articles, Nesoi	845129	Drying Machines With Dry Linen Capacity Over 10 Kg
8451290090	Drying Machines, Nesoi	845129	Drying Machines With Dry Linen Capacity Over 10 Kg
8451300000	Ironing Machines And Presses (Including Fusing Presses)	845130	Ironing Mach And Presses (includ Fusing Presses)
8451900010	Parts Of Machines For Washing, Dry-cleaning, Ironing, Pressing Or Drying Made Up Textiles Articles Or Of Other Household Or Laundry Type Machines	845190	Pts For Wash/clean, Pasting Floor Covers Etc
8451900020	Parts Of Machines For Bleaching, Dyeing, Washing Or Cleaning Textile Yarns, Fabrics Or Made Up Textile Articles	845190	Pts For Wash/clean, Pasting Floor Covers Etc
8451900090	Parts Of Machinery Of Heading 8451, Nesoi	845190	Pts For Wash/clean, Pasting Floor Covers Etc
8452300000	Sewing Machine Needles	845230	Sewing Machine Needles
8453100000	Machines For Preparing, Tanning Or Working Hides, Skins Or Leather	845310	Mach For Prepar, tann Or Work Hids, skins Or Leather
8453800000	Machinery For Making Or Repairing Articles Of Hides, Skins, Or Leather, Except Sewing Machines, Nesoi	845380	Mach For Make, repair Art Of Hide, skin, lether, nesoi
8453900000	Parts Of Machinery Preparing, Tanning Or Working Hides, Skins Or Leather Or For Making Footwear Or Other Articles Of Hides, Skins, Etc, Except Sew Mch	845390	Parts Of Mach F Prep Or Make Art Of Hides, leather
8454100000	Converters Used In Metallurgy Or Foundries	845410	Converters Used In Metallurgy Or Foundries
8456907100	Machine Tools For Working Any Material Except Metal, By Removal Of Material By Electron-Beam, Ionic-Beam Or Plasma Arc Processes, Nesoi	845690	Other
8459100000	Way-type Unit Head Machines	845910	Way-type Unit Head Machines For Removing Metal
8459490010	Other Boring Machines, Not Numerically Controlled, Metal Removing, Used Or Rebuilt	845949	Other Boring Machines, Nesoi
8459490020	Other Boring Machines, Not Numerically Controlled, Metal	845949	Other Boring Machines, Nesoi

	Removing, Valued Under \$3,025 Each, New		
8459490030	Boring Machines, Vertical, Metal Removing, Except Numerically Controlled, Valued \$3,025 And Over Each, New	845949	Other Boring Machines, Nesoi
8459490090	Boring Machines, Except Vertical, Metal Removing, Exc Numerically Controlled, Valued \$3,025 And Over, New	845949	Other Boring Machines, Nesoi
8459704000	Threading Or Tapping Machines, Metal Removing, Numerically Controlled	845970	Threading Or Tapping Machines, For Removing Metal
8459708040	Threading Or Tapping Machines, Metal Removing, Except Numerically Controlled, Used Or Rebuilt	845970	Threading Or Tapping Machines, For Removing Metal
8459708060	Threading Or Tapping Machines, Metal Removing, Except Numerically Controlled, Valued Under \$3,025 Each, New	845970	Threading Or Tapping Machines, For Removing Metal
8459708080	Threading Or Tapping Machines, Metal Removing, Except Numerically Controlled, Valued \$3,025 And Over Each, New, Nesoi	845970	Threading Or Tapping Machines, For Removing Metal
8460900010	Machine Tools For Finishing Metal By Removing Metal Using Grinding Stones, Abrasives Or Polishing Products, Nesoi, Used Or Rebuilt	846090	Mach Tools For Deburring, Polishing Metal Etc
8460900020	Machine Tools For Finishing Metal By Removing Metal Using Grinding Stones, Abrasives Or Polishing Products, Nesoi, Valued Under \$3025 Each, New	846090	Mach Tools For Deburring, Polishing Metal Etc
8460900060	Machine Tools For Finishing Metal By Removing Metal Using Grinding Stones, Abrasives Or Polishing Products, Nesoi, N/C, Valued \$2,500 & Over Each, New	846090	Mach Tools For Deburring, Polishing Metal Etc
8460900080	Machine Tools For Finishing Metal By Removing Metal Using Grinding Stones, Abrasives Or Polishing Products, Nesoi, Except N/C, Valued \$3,025 And	846090	Mach Tools For Deburring, Polishing Metal Etc
8461204000	Shaping Or Slotting Machines, Metal Removing, Numerically Controlled	846120	Shaping Or Slotting Machines For Removing Metal
8461208030	Shaping Or Slotting Machines, Metal Removing, Except	846120	Shaping Or Slotting Machines For Removing Metal

	Numerically Controlled, Used Or Rebuilt		
8461208070	Shaping Or Slotting Machines, Metal Removing, Except Numerically Controlled, Valued Under \$3,025 Each, New	846120	Shaping Or Slotting Machines For Removing Metal
8461208090	Shaping Or Slotting Machines, Metal Removing, Except Numerically Controlled, Valued \$3,025 And Over Each, New	846120	Shaping Or Slotting Machines For Removing Metal
8461300020	Broaching Machines, Metal Removing, Used Or Rebuilt	846130	Broaching Machines For Removing Metal
8461300040	Broaching Machines, Metal Removing, Valued Under \$3025 Each, New	846130	Broaching Machines For Removing Metal
8461300060	Broaching Machines, Metal Removing, Numerically Controlled, Valued \$2,500 And Over Each, New	846130	Broaching Machines For Removing Metal
8461300080	Broaching Machines, Metal Removing, Except Numerically Controlled, Valued \$2,500 And Over Each, New	846130	Broaching Machines For Removing Metal
8461401010	Gear Cutting Machines, Metal Removing, Used Or Rebuilt	846140	Gear Cutting, Gear Grinding Or Gear Finish Machine
8461401050	Gear Hobbers, Metal Removing By Cutting, New	846140	Gear Cutting, Gear Grinding Or Gear Finish Machine
8461401070	Gear Shapers, Metal Removing By Cutting, New	846140	Gear Cutting, Gear Grinding Or Gear Finish Machine
8461401090	Gear Cutting Machines, Metal Removing, Except Gear Hobbers Or Shapers, New	846140	Gear Cutting, Gear Grinding Or Gear Finish Machine
8461405020	Gear Grinding Or Finishing Machines, Metal Removing, Used Or Rebuilt	846140	Gear Cutting, Gear Grinding Or Gear Finish Machine
8461405040	Gear Grinding Or Finishing Machines, Metal Removing, Valued Under \$3025 Each, New	846140	Gear Cutting, Gear Grinding Or Gear Finish Machine
8461405060	Gear Grinding Or Finishing Machines, Metal Removing, Valued \$2,500 And Over, New	846140	Gear Cutting, Gear Grinding Or Gear Finish Machine
8461903020	Planing Machines, Numerically Controlled, Metal Removing, Used Or Rebuilt	846190	Mach Tools Workng By Removng Metal, Etc Nesoi
8461903040	Planing Machines, Metal Removing, Numerically Controlled, Valued \$3,025 And Over Each, New	846190	Mach Tools Workng By Removng Metal, Etc Nesoi
8461903060	Machine Tools Working By Removing Metal, Numerically Controlled, Used Or Rebuilt, Nesoi	846190	Mach Tools Workng By Removng Metal, Etc Nesoi

8461903080	Machine Tools Working By Removing Metal,Numerically Controlled,Valued \$3,025 And Over,New,Nesoi	846190	Mach Tools Workng By Removng Metal, Etc Nesoi
8461906010	Planing Machines,Other Than Numerically Controlled,Metal Removing,Used Or Rebuilt	846190	Mach Tools Workng By Removng Metal, Etc Nesoi
8461906020	Planing Machines,Not Numerically Controlled,Metal Removing,Valued Under \$3,025 Each,New	846190	Mach Tools Workng By Removng Metal, Etc Nesoi
8461906030	Planing Machines,Metal Removing,Except Numerically Controlled,Valued \$3,025 And Over Each,New	846190	Mach Tools Workng By Removng Metal, Etc Nesoi
8461906040	Machine Tools Working By Removing Metal,Not Numerically Controlled,Used Or Rebuilt,Nesoi	846190	Mach Tools Workng By Removng Metal, Etc Nesoi
8461906050	Machine Tools Working By Removing Metal,Not Numerically Controlled,Valued Under \$3025 Each,New,Nesoi	846190	Mach Tools Workng By Removng Metal, Etc Nesoi
8461906090	Machine Tools Working By Removing Metal,Nesoi,Except Numerically Controlled,Valued \$3,025 And Over,New	846190	Mach Tools Workng By Removng Metal, Etc Nesoi
8462110010	Closed Die Forging Machines, Used Or Rebuilt	846211	Closed Die Forging Machines, Hot Forming
8462110050	Closed Die Forging Machines, Nesoi	846211	Closed Die Forging Machines, Hot Forming
8462190010	Forging Or Die-stamping Machines (Including Presses) And Hammers, Metal Forming, Used Or Rebuilt, Nesoi	846219	Hot Forming Mach For Forging And Hot Hammers Nesoi
8462190030	Headers And Upsetters, Including Cold Headers, Metal Forming, New	846219	Hot Forming Mach For Forging And Hot Hammers Nesoi
8462190035	Mechanical Transfer Presses, New	846219	Hot Forming Mach For Forging And Hot Hammers Nesoi
8462190055	Forging Or Die-stamping Machines (Including Presses) And Hammers, Except Headers And Upsetters, Metal Forming, New, Nesoi	846219	Hot Forming Mach For Forging And Hot Hammers Nesoi
8465200000	Machining Centers For Cork,Bone,Hard Rubber,Hard Plastics Or Similar Hard Materials,Nesoi	846520	Machining Centers For Mach Working Hard Materials
8465930004	Belt Sanders For Woodworking,For A Belt Width 60 Cm Or Wider,Used Or Rebuilt	846593	Grind Sand Etc Mach For Work Wood Cork Bone Etc

8465930012	Grinding,Sanding Or Polishing Machines,Except Wide Belt Sanders,Woodworking,Used Or Rebuilt	846593	Grind Sand Etc Mach For Work Wood Cork Bone Etc
8465930027	Edge Belt Sanders, Woodworking, New	846593	Grind Sand Etc Mach For Work Wood Cork Bone Etc
8465930065	Belt Sanders,(Except Edge Belt Sanders),For Woodworking,For A Belt Width 60 Cm Or Wider,New	846593	Grind Sand Etc Mach For Work Wood Cork Bone Etc
8465930075	Grinding,Sanding Or Polishing Machines,Woodworking,New,Neso i	846593	Grind Sand Etc Mach For Work Wood Cork Bone Etc
8465930091	Grinding,Sanding Or Polishing Machines For Cork, Bone, Hard Rubber,Hard Plastics Or Similar Hard Materials,Nesoi	846593	Grind Sand Etc Mach For Work Wood Cork Bone Etc
8465940005	Bending Or Assembling Machines,Woodworking,Used Or Rebuilt	846594	Bend Assmblng Mach For Working Wood Cork Bone Etc
8465940015	Doweling Machines,Woodworking,New	846594	Bend Assmblng Mach For Working Wood Cork Bone Etc
8465940025	Edgebanding Machines, Woodworking, New	846594	Bend Assmblng Mach For Working Wood Cork Bone Etc
8465940035	Laminating Machines, Woodworking, New	846594	Bend Assmblng Mach For Working Wood Cork Bone Etc
8465940045	Cold Presses, Woodworking, New	846594	Bend Assmblng Mach For Working Wood Cork Bone Etc
8465940055	Presses,(Except Cold),Woodworking,New	846594	Bend Assmblng Mach For Working Wood Cork Bone Etc
8465940065	Bending Or Assembling Machines,Woodworking,Nesoi,New	846594	Bend Assmblng Mach For Working Wood Cork Bone Etc
8465940091	Bending Or Assembling Machines For Cork,Bone,Hard Rubber,Hard Plastics Or Similar Hard Materials,Nesoi	846594	Bend Assmblng Mach For Working Wood Cork Bone Etc
8465960015	Log Splitters,Woodworking Machinery	846596	Split Slice Etc Mach For Workng Wood Cork Bone Etc
8465960025	Chippers,Woodworking Machinery	846596	Split Slice Etc Mach For Workng Wood Cork Bone Etc
8465960030	Hogs,Woodworking Machinery	846596	Split Slice Etc Mach For Workng Wood Cork Bone Etc
8465960040	Splitting,Slicing Or Paring Machines,Woodworking,Nesoi	846596	Split Slice Etc Mach For Workng Wood Cork Bone Etc
8465960051	Splitting, Slicing Or Paring Machines For Cork, Bone, Hard	846596	Split Slice Etc Mach For Workng Wood Cork Bone Etc

	Rubber, Hard Plastics Or Similar Hard Materials		
8466100110	Tool Holders For Forming-type Or Cutting Type Dies	846610	Tool Holdrs & Self-opening Dieheads For Machines
8466100130	Holders For Replaceable Cutting Or Drill Inserts	846610	Tool Holdrs & Self-opening Dieheads For Machines
8466100175	Tool Holders And Self-opening Dieheads, Nesoi	846610	Tool Holdrs & Self-opening Dieheads For Machines
8466201010	Jigs And Fixtures For Machine Tools Used In Cutting Gears	846620	Work Holders For Machine Tools
8466201090	Work Holders For Machine Tools Used In Cutting Gears Other Than Jigs And Fixtures	846620	Work Holders For Machine Tools
8466208020	Jigs And Fixtures For Metalworking Machine Tools	846620	Work Holders For Machine Tools
8466208035	Work Holders For Metalworking Machine Tools, Other Than Jigs And Fixtures	846620	Work Holders For Machine Tools
8466208040	Jigs And Fixtures,Nesoi,For Machine Tools	846620	Work Holders For Machine Tools
8466208065	Work Holders For Machine Tools, Nesoi	846620	Work Holders For Machine Tools
8466920020	Parts For Woodworking Machines	846692	Parts For Machines Of Heading 8465
8466920080	Other Parts For Machine Tools For Working Wood, Cork, Bone, Hard Rubber, Hard Plastics Or Similar Hard Materials	846692	Parts For Machines Of Heading 8465
8468901000	Parts Of Hand-directed Or Controlled Machinery And Apparatus For Soldering, Brazing, Welding Or Surface Tempering, Other Than Those Of Heading 8515	846890	Machy & Appr Pts For Soldrng Brazng Weldng, Nesoi
8468905000	Parts Of Machinery And Apparatus,Nesoi, For Soldering, Brazing, Welding Or Surface Tempering, Other Than Those Of Heading 8515	846890	Machy & Appr Pts For Soldrng Brazng Weldng, Nesoi
8472100000	Duplicating Machines	847210	Duplicating Machines
8472300000	Machines For Sorting Or Folding Mail, For Inserting Mail In Envelopes, Postage Affixing Or Canceling Machines, Machines For Opening Or Sealing Mail	847230	Mail Sorting, Opening, Postage Affixing,etc, Mach
8473210000	Parts And Accessories Of Electronic Calculators And Calculating Machines	847321	Parts Of Electronic Calculating Machines
8474100010	Sorting, Screening, Separating Or Washing Machines For Earth, Stone, Ores, Or Other Mineral Substances In Solid Form, Portable	847410	Sorting Etc Machines For Earth Stone Mineral Subs

8474100090	Sorting, Screening, Separating Or Washing Machines For Earth, Stone, Ores, Or Other Mineral Substances In Solid Form, Stationary	847410	Sorting Etc Machines For Earth Stone Mineral Subs
8474390000	Mixing Or Kneading Machines, Nesoi , For Earth, Stone, Ores, Or Other Mineral Substances In Solid Form	847439	Mixing Or Kneading Mach, Nesoi, For Mineral Substn
8474800010	Machinery, Nesoi , Designed For Use With Ceramic Paste, Unhardened Cements And Plastering Materials	847480	Mach For Agglmrtnng Solid Mnrl Fuel & Form Foun Mld
8474800020	Machines For Forming Foundry Molds Of Sand	847480	Mach For Agglmrtnng Solid Mnrl Fuel & Form Foun Mld
8474800090	Machines, Nesoi , For Agglomerating, Shaping, Or Molding Solid Mineral Fuels Or Other Mineral Products In Powder Or Paste Form	847480	Mach For Agglmrtnng Solid Mnrl Fuel & Form Foun Mld
8475210000	Machines For Making Optical Fibers And Preforms Thereof	847521	Mach For Making Optical Fibers & Preforms Thereof
8475290000	Machines For Manufacturing Or Hot Working Glass Or Glassware, Nesoi	847529	Machines For Manuf Or Hot Working Glass, Nesoi
8475901000	Parts Of Machines For Assembling Electric Or Electronic Lamps, Tubes Or Flashbulbs, In Glass Envelopes	847590	Parts Of Mach For Assmbl Elec Lamp Etc Mfg Glsswre
8475909000	Parts Of Machines For Manufacturing Or Hot Working Glass Or Glassware	847590	Parts Of Mach For Assmbl Elec Lamp Etc Mfg Glsswre
8477400100	Vacuum-molding Machines And Other Thermoforming Machines; Nesoi	847740	Vacuum-molding & Oth Therm Mach For Wk Rub Or Plas
8477510010	Machinery For Molding Or Retreading Pneumatic Tires	847751	Mach For Mold/retrd Pnmtic Tires/form Inner Tubes
8477510090	Machinery For Molding Or Otherwise Forming Inner Tubes	847751	Mach For Mold/retrd Pnmtic Tires/form Inner Tubes
8477590100	Machinery For Molding Or Otherwise Forming Rubber Or Plastics, Nesoi	847759	Mach, Nesoi, F Moldg Or Formg Rubber Or Plastics
8477900010	Parts Of Injection-molding Machines For Rubber Or Plastics	847790	Pts Mach For Work Rubber/plast/mfg Rbbr/plstc Prod
8477900020	Parts Of Extruders For Rubber Or Plastics	847790	Pts Mach For Work Rubber/plast/mfg Rbbr/plstc Prod
8477900030	Parts Of Blow-molding Machines	847790	Pts Mach For Work Rubber/plast/mfg Rbbr/plstc Prod

8477900040	Parts Of Machines For Forming Pneumatic Tires	847790	Pts Mach For Work Rubber/plast/mfg Rbbr/plstc Prod
8477900096	Parts Of Machinery For Working Rubber Or Plastics Or For The Manufacture Of Products From These Materials, Nesoi	847790	Pts Mach For Work Rubber/plast/mfg Rbbr/plstc Prod
8479100040	Pavers, Finishers And Spreaders For Concrete,For Public Works, Building Or Similar Use	847910	Machinery For Public Works, Building Or The Like
8479100060	Pavers, Finishers And Spreaders For Bituminous Material,For Public Works, Building Or Similar Use	847910	Machinery For Public Works, Building Or The Like
8479100080	Machinery For Public Works, Building Or The Like, Except Concrete And Bituminous Pavers, Finishers And Spreaders	847910	Machinery For Public Works, Building Or The Like
8479300000	Presses For The Manufacture Of Particle Board Or Fiber Building Board Of Wood Or Other Ligneous Materials And Oth Machinery For Treating Wood Or Cork	847930	Presses F Partcle Bd & Oth Mch F Treat Wood, Cork
8479500000	Industrial Robots, Nesoi	847950	Industrial Robots For Multiple Uses
8479899850	Oil And Gas Field Wire Line And Downhole Equipment	847989	Mach & Mechanical Appl W Individual Function Nesoi
8479899900	Machines And Mechanical Appliances Having Individual Functions, Not Specified Or Included Elsewhere In Chapter 84	847989	Mach & Mechanical Appl W Individual Function Nesoi
8479909640	Parts Of Industrial Robots, Nesoi	847990	Pts Of Mach/mechncl Appl W Indvdul Function Nesoi
8479909650	Machinery For Public Works, Building Or The Like; Parts	847990	Pts Of Mach/mechncl Appl W Indvdul Function Nesoi
8479909660	Parts Of Presses For Manufacture Of Particle Board Or Fiber Building Board Of Wood Or Oth Ligneous Material & Oth Mach For Treating Wood	847990	Pts Of Mach/mechncl Appl W Indvdul Function Nesoi
8479909665	Parts Of Machines Or Mechanical Appliances For Treating Metal,Nesoi	847990	Pts Of Mach/mechncl Appl W Indvdul Function Nesoi
8479909698	Parts Of Machines And Mechanical Appliances Having Individual Functions, Not Specified Or Included Elsewhere In Chapter 84, Nesoi	847990	Pts Of Mach/mechncl Appl W Indvdul Function Nesoi
8480200000	Mold Bases	848020	Mold Bases
8480300000	Molding Patterns	848030	Molding Patterns
8480600000	Molds For Mineral Materials	848060	Molds For Mineral Materials

8481100020	Pressure-reducing Valves, Hydraulic Fluid Power Type	848110	Pressure-reducing Valves
8481100040	Pressure-reducing Valves, Pneumatic Fluid Power Type, Filter-regulators And Filter-regulator-lubricators	848110	Pressure-reducing Valves
8481100060	Pressure-reducing Valves, Pneumatic Fluid Power Type, Nesoi	848110	Pressure-reducing Valves
8481100090	Pressure-reducing Valves, Nesoi	848110	Pressure-reducing Valves
8481200010	Hydraulic Valves, Directional Control, Manual Type	848120	Valves F Oleohydraulic Or Pneumatic Transmissions
8481200020	Hydraulic Valves, Directional Control, Solenoid Type	848120	Valves F Oleohydraulic Or Pneumatic Transmissions
8481200030	Hydraulic Valves, Directional Control, Nesoi	848120	Valves F Oleohydraulic Or Pneumatic Transmissions
8481200040	Hydraulic Valves, Flow Control Type	848120	Valves F Oleohydraulic Or Pneumatic Transmissions
8481200050	Hydraulic Valves, Nesoi	848120	Valves F Oleohydraulic Or Pneumatic Transmissions
8481200060	Pneumatic Valves, Directional Control, Solenoid Type	848120	Valves F Oleohydraulic Or Pneumatic Transmissions
8481200070	Pneumatic Valves, Nesoi, Directional Control	848120	Valves F Oleohydraulic Or Pneumatic Transmissions
8481200080	Pneumatic Valves, Nesoi	848120	Valves F Oleohydraulic Or Pneumatic Transmissions
8481400000	Safety Or Relief Valves	848140	Safety Or Relief Valves
8482101000	Ball Bearings With Integral Shafts	848210	Ball Bearings
8482105004	Unground Bearings	848210	Ball Bearings
8482105008	Thrust Ball Bearings	848210	Ball Bearings
8482105012	Linear Ball Bearings	848210	Ball Bearings
8482105016	Angular Contact Bearings, Wheel Hub Units, Flanged	848210	Ball Bearings
8482105024	Angular Contact Bearings, Wheel Hub Units, Other Than Flanged	848210	Ball Bearings
8482105028	Angular Contact Ball Bearings, Nesoi	848210	Ball Bearings
8482105032	Radial Bearings, Single Row, Maximum Or Full Capacity Type	848210	Ball Bearings
8482105036	Radial Bearings, Single Row, Having An Outside Diameter Of Under 9 Mm	848210	Ball Bearings
8482105044	Radial Bearings, Single Row, Having An Outside Diameter Of 9 Mm And Over But Not Over 30 Mm	848210	Ball Bearings
8482105048	Radial Bearings, Single Row, Having An Outside Diameter Of Over 30 Mm But Not Over 52 Mm	848210	Ball Bearings

8482105052	Radial Bearings, Single Row Having An Outside Diameter Of Over 52 Mm But Not Over 100 Mm	848210	Ball Bearings
8482105056	Radial Bearings, Single Row Having An Outside Diameter Of Over 100 Mm	848210	Ball Bearings
8482105060	Double Row Ball Bearings,Radial	848210	Ball Bearings
8482105064	Radial Ball Bearings, Nesoi	848210	Ball Bearings
8482105068	Ball Bearings, Nesoi	848210	Ball Bearings
8482200020	Tapered Roller Bearings, Cup And Cone Assemblies Entered As A Set, Wheel Hub Units, Flanged	848220	Tapered Roll Brg, Incl Cone & Roller Assemblies
8482200030	Tapered Roller Bearings, Cup And Cone Assemblies Entered As A Set, Wheel Hub Units, Other Than Flanged	848220	Tapered Roll Brg, Incl Cone & Roller Assemblies
8482200040	Tapered Roller Bearings, Cup And Cone Assemblies Entered As A Set, With Cup Having Outside Diameter Not Exceeding 102 Mm	848220	Tapered Roll Brg, Incl Cone & Roller Assemblies
8482200060	Tapered Roller Bearings, Cup And Cone Assemblies Entered As A Set, With Cup Having Outside Diameter Exceeding 102mm	848220	Tapered Roll Brg, Incl Cone & Roller Assemblies
8482200070	Tapered Roller Bearings, Cone Assemblies Entered Separately, For Cups Having Outside Diameter Not Exceeding 102 Mm	848220	Tapered Roll Brg, Incl Cone & Roller Assemblies
8482200080	Tapered Roller Bearings,Cone Assemblies Entered Separately, For Cups Having Outside Diameter Exceeding 102 Mm	848220	Tapered Roll Brg, Incl Cone & Roller Assemblies
8482300040	Spherical Roller Bearings, Single Row	848230	Spherical Roller Bearings
8482300080	Spherical Roller Bearings, Other Than Single Row	848230	Spherical Roller Bearings
8482400000	Needle Roller Bearings	848240	Needle Roller Bearing,incl Cage & Needle Rol Assem
8482800020	Combined Ball & Spherical Roller Bearings	848280	Oth Ball Or Roll Brg, Inc Combined Ball/roll Brgs
8482800040	Combined Ball & Needle Roller Bearings	848280	Oth Ball Or Roll Brg, Inc Combined Ball/roll Brgs
8482800060	Combined Ball & Other Cylindrical Roller Bearings	848280	Oth Ball Or Roll Brg, Inc Combined Ball/roll Brgs
8482800080	Other Ball Or Roller Bearings, Including Combined Ball/Roller Bearings, Nesoi	848280	Oth Ball Or Roll Brg, Inc Combined Ball/roll Brgs
8482910010	Alloy Steel Balls For Ball Bearings	848291	Balls, Needles And Rollers For Bearings

8482910020	Balls For Ball Bearings, Except Alloy Steel	848291	Balls, Needles And Rollers For Bearings
8482910040	Needles For Needle Roller Bearings	848291	Balls, Needles And Rollers For Bearings
8482910050	Tapered Rollers For Roller Bearings	848291	Balls, Needles And Rollers For Bearings
8482910070	Spherical Rollers For Roller Bearings	848291	Balls, Needles And Rollers For Bearings
8482910080	Other Cylindrical Rollers For Roller Bearings	848291	Balls, Needles And Rollers For Bearings
8482910090	Rollers, Nesoi, For Roller Bearings	848291	Balls, Needles And Rollers For Bearings
8482991010	Inner And Outer Races For Ball Bearings (Including Ball Bearings With Integral Shafts)	848299	Parts Of Bearings, Nesoi
8482991050	Parts, Except Inner And Outer Races, For Ball Bearings, (Including Ball Bearings With Integral Shafts)	848299	Parts Of Bearings, Nesoi
8482993010	Cups Entered Separately For Tapered Roller Bearings	848299	Parts Of Bearings, Nesoi
8482993050	Parts, Except Cups Entered Separately, For Tapered Roller Bearings	848299	Parts Of Bearings, Nesoi
8482995000	Parts Of Spherical Roller Bearings	848299	Parts Of Bearings, Nesoi
8482997030	Parts, Nesoi, For Needle Bearings	848299	Parts Of Bearings, Nesoi
8482997060	Parts, Nesoi, For Cylindrical Roller Bearings, Nesoi	848299	Parts Of Bearings, Nesoi
8482997090	Parts, Nesoi, For Roller Bearings Or For Combined Ball/Roller Bearings, Nesoi	848299	Parts Of Bearings, Nesoi
8484100000	Gaskets And Similar Joints Of Metal Sheetting Combined With Other Material Or Of Two Or More Layers Of Metal	848410	Gaskets, Metal Layers, Or Other Matl, Mech Seals
8484200000	Mechanical Seals	848420	Mechanical Seals
8484900000	Sets Or Assortments Of Gaskets And Similar Joints, Dissimilar In Composition, Put Up In Pouches, Envelopes Or Similar Packings	848490	Sets Or Assortments Of Gaskets And Similar Joints
8486900000	Machines Used For The Manufacture Of Boules Or Wafers, Semiconductors, Electronic Integrated Circuits Or Flat Panel Displays; Parts & Accessories	848690	Parts & Accesories For Mach To Man. Semicnt, Etc
8487900040	Oil Seals, Other Than Those Of Chapter 40, Machinery Parts Not Containing Electrical Features	848790	Machinery Parts, Non-electric, Nesoi
8487900080	Machinery Parts Not Containing Electrical Features, And Not Specified Or Included Elsewhere In	848790	Machinery Parts, Non-electric, Nesoi

	Chapter 84, Except Ships' Propellers		
8501202000	Universal Ac/Dc Electric Motors Of An Output Exceeding 37.5 W But Not Exceeding 74.6 W	850120	Universal Ac/dc Motors Of An Output > 37.5 W
8501203000	Universal Ac/Dc Electric Motors, Of An Output Exceeding 74.6 W (1/10 Hp) But Not Exceeding 746 W (1 Hp)	850120	Universal Ac/dc Motors Of An Output > 37.5 W
8501206000	Universal Ac/Dc Electric Motors Of An Output Of 746 W And Over	850120	Universal Ac/dc Motors Of An Output > 37.5 W
8501312000	Dc Motors Of An Output Exceeding 37.5 W But Not Exceeding 74.6 W, Nesoi	850131	Dc Motors & Generators W Output N Ov 750 W
8501313000	Dc Motors, Exceeding 74.6 W (1/10 Hp) But Not Exceeding 746 W (1 Hp), Nesoi	850131	Dc Motors & Generators W Output N Ov 750 W
8501316000	Dc Motors Of An Output Exceeding 746 W But Not Exceeding 750 W, Nesoi	850131	Dc Motors & Generators W Output N Ov 750 W
8501318100	Dc Generators, Not Exceeding 750 W, Nesoi	850131	Dc Motors & Generators W Output N Ov 750 W
8501332000	Dc Electric Motors, Exceeding 75 Kw (100 Hp) But Not Exceeding 149.2 Kw (200 Hp)	850133	Dc Motors & Generators W Output > 75kw; N Ov 375kw
8501333000	Dc Motors, 149.2kw Or More But Not Exceeding 150kw	850133	Dc Motors & Generators W Output > 75kw; N Ov 375kw
8501334040	Dc Motors Of An Output Exceeding 150 Kw But Not Exceeding 373 Kw	850133	Dc Motors & Generators W Output > 75kw; N Ov 375kw
8501334060	Dc Motors Of An Output Exceeding 373 Kw But Not Exceeding 375 Kw	850133	Dc Motors & Generators W Output > 75kw; N Ov 375kw
8501336100	Dc Generators Of An Output Exceeding 75kw But Not Exceeding 375kw	850133	Dc Motors & Generators W Output > 75kw; N Ov 375kw
8501610100	Ac Generators (Alternators) Of An Output Not Exceeding 75 Kva, Nesoi	850161	Ac Generators (alternators) <=75 Kva Output
8501620100	Ac Generators (Alternators) Of An Output Not Exceeding 75 Kva	850162	Ac Generators (alternator) > 75 Kva But =< 375kva
8501630100	Ac Generators (Alternator) Of An Output Exceeding 75 Kva But Not Exceeding 375 Kva	850163	Ac Generators (alternator) > 375 Kva But =< 750kva
8501640120	Ac Generators (Alternators), Output Exceeding 750 Kva But Not Exceeding 10,000 Kva	850164	Ac Generators Of An Output Exceeding 750 Kva

8501640130	Ac Generators (Alternators), Output Exceeding 10,000 Kva But Not Exceeding 40,000 Kva	850164	Ac Generators Of An Output Exceeding 750 Kva
8501640150	Ac Generators (Alternators), Output Exceeding 40,000 Kva	850164	Ac Generators Of An Output Exceeding 750 Kva
8502200040	Generating Sets With Spark-ignition Internal Combustion Piston Engines Of An Not Exceeding 5 Kva	850220	Generating Set W Spark-ignition Int Combustion Eng
8502200080	Generating Sets With Spark Ignition Internal Combustion Piston Engines Of An Output Exceeding 5kw, Electric, Gasoline	850220	Generating Set W Spark-ignition Int Combustion Eng
8502310000	Wind-powered Electric Generating Sets, Nesoi	850231	Generating Sets, Electric, Wind-powered
8502390010	Electric Generating Sets Powered By Gas Turbines, Nesoi	850239	Generating Sets, Electric, Nesoi
8502390090	Electric Generating Sets, Other Than Powered By Gas Turbines, Nesoi	850239	Generating Sets, Electric, Nesoi
8502400000	Electric Rotary Converters	850240	Electric Rotary Converters
8504320000	Transformers, Having A Power Handling Capacity Exceeding 1 Kva But Not Exceeding 16 Kva, Nesoi	850432	Transformers, Nesoi,> 1 Kva But =< 16 Kva
8504330020	Transformers, Having A Power Handling Capacity Exceeding 16 Kva But Not Exceeding 50 Kva, Nesoi	850433	Transf Nesoi, Power Handling Cap >16 Nov 500 Kva
8504330040	Transformers, Having A Power Handling Capacity Exceeding 50 Kva But Not Exceeding 500 Kva, Nesoi	850433	Transf Nesoi, Power Handling Cap >16 Nov 500 Kva
8504340000	Transformers, Having A Power Handling Capacity Exceeding 500 Kva, Nesoi	850434	Transformers, Nesoi, > 500 Kva
8505200000	Electromagnetic Couplings, Clutches And Brakes	850520	Electromagnetic Couplings, Clutches And Brakes
8506900000	Primary Battery And Cell Parts	850690	Primary Battery And Cell Parts
8507300000	Nickel-cadmium Storage Batteries	850730	Nickel-cadmium Storage Batteries
8514310000	Electron Beam Furnaces	851431	Electron Beam Furnaces
8514320000	Plasma And Vacuum Arc Furnaces	851432	Plasma And Vacuum Arc Furnaces
8514390000	Industrial Or Laboratory Electric Furnaces And Ovens, Nesoi	851439	Industrial/lab Electric Furnaces And Ovens, Nesoi
8525502010	Television Apparatus For The Reception Of Television Signals Relayed By Television Satellite	852550	Transmission App For Radio-broadcast Or Television

8525502050	Television Transmission Apparatus, Nesoi	852550	Transmission App For Radio-broadcast Or Television
8525506010	Radio Transmitters For Civil Aircraft	852550	Transmission App For Radio-broadcast Or Television
8525506050	Radio Transmitters Capable Of Transmitting On Frequencies Not Exceeding 30 Mhz, Not For Use In Civil Aircraft	852550	Transmission App For Radio-broadcast Or Television
8525508020	Transmission Apparatus For Civil Aircraft, Nesoi	852550	Transmission App For Radio-broadcast Or Television
8525508040	Transmision Apparatus For Radiotelephony,Radiotelegraphy,R radiobroadcasting, Nesoi	852550	Transmission App For Radio-broadcast Or Television
8526920000	Radio Remote Control Apparatus	852692	Radio Remote Control Apparatus
8530100000	Electrical Signaling, Safety Or Traffic Control Equipment For Railways, Streetcar Lines Or Subways	853010	Electrical Signaling Or Traffic Control Eqpt Rail
8530900000	Electrical Signaling Parts For Traffic Control, Safety Equipment For Railway, Subways, Roads, Airfields, Waterways And Parking Facilities	853090	Parts For Elc Signaling, Traffic, Safety Equipmnt
8532100000	Fixed Capacitors, Designed For Use In 50/60 Hz Circuits, With Reactive Power Capacity Not Less Than 0.5 Kvar	853210	Fixed Capacitors, 50-60 Hz, Power, Cpcty =>.5 Kvar
8533290000	Fixed Resistors, For A Power Handling Capacity Exceeding 20 W, Nesoi	853329	Fixed Resistors Nesoi > 20 W Power Hdlg Cpcy
8533900000	Electric Resistor Parts	853390	Parts For Resistors, Rheostats, Potetiometers
8535290020	Automatic Circuit Breakers In Circuits Of 345 Kv Or More	853529	Auto Cirtc Breaker Voltage 72.5 Kv Or More
8535290040	Automatic Circuit Breakers In Circuits Of 72.5 Kv But Less Than 345 Kv	853529	Auto Cirtc Breaker Voltage 72.5 Kv Or More
8535300040	Isolating And Make And Break Switches, Knife Type, For A Voltage Exceeding 1,000 V	853530	Isolating Switch & Make-&-break Swtch Volt > 1000v
8535300080	Isolating Switches And Make-and-break Switches, For A Voltage Exceeding 1,000 V, Nesoi	853530	Isolating Switch & Make-&-break Swtch Volt > 1000v
8535400000	Lightning Arrestors, Voltage Limiters And Surge Suppressors, For Voltage Exceeding 1000 V	853540	Lightning Arresters,voltage Limiters,surge Suppres
8535908020	Terminals, Electric Splices & Electric Couplings For A Voltage Exceeding 1,000 V	853590	Elect Appr F Prtct To Elect Cirtc >1000 V Nesoi

8535908040	Electrical Connectors, For A Voltage Exceeding 1,000 V, Nesoi	853590	Elect Appr F Prtct To Elect Cirt >1000 V Nesoi
8535908090	Electrical Apparatus For Switching Or Protecting Electrical Circuits, For A Voltage Exceeding 1000 V, Nesoi	853590	Elect Appr F Prtct To Elect Cirt >1000 V Nesoi
8537106000	Motor Control Centers, For A Voltage Not Exceeding 1,000 V	853710	Controls Etc W Elect Appr F Elect Cont Nov 1000 V
8537109020	Switchgear Assemblies And Switchboards For A Voltage Not Exceeding 1000 V	853710	Controls Etc W Elect Appr F Elect Cont Nov 1000 V
8537109030	Numerical Controls For Controlling Machine Tools, For Voltage Not Exceeding 1,000 V	853710	Controls Etc W Elect Appr F Elect Cont Nov 1000 V
8537109050	Panel Boards And Distribution Boards, For Voltages Lt= 1,000 Volts	853710	Controls Etc W Elect Appr F Elect Cont Nov 1000 V
8537109060	Programable Controllers For A Voltage Not Exceeding 1,000 Volts	853710	Controls Etc W Elect Appr F Elect Cont Nov 1000 V
8537109090	Boards, Panels, Consoles, Desks, Cabinets Etc, Equip W/ Two Or More App Of Head 8535/8536, For Elec Ctrl/Distrib Of Electricity, For Lt 1000 V, Nesoi	853710	Controls Etc W Elect Appr F Elect Cont Nov 1000 V
8538907020	Automatic Circuit Breaker Parts For Headings 8535, 8536 Or 8537	853890	Pt F Elect Appr F Elect Cirt; F Elct Contrl Nesoi
8538907040	Electrical Metal Contacts For Heading 8535, 8536 & 8537	853890	Pt F Elect Appr F Elect Cirt; F Elct Contrl Nesoi
8538907060	Switchgear, Switchboard, Panel Board And Distribution Board Parts For Headings 8535, 8536, & 8537, Nesoi	853890	Pt F Elect Appr F Elect Cirt; F Elct Contrl Nesoi
8538907080	Parts Suitable For Use Solely Or Principally With The Apparatus For Heading 8535, 8536,8537, Nesoi	853890	Pt F Elect Appr F Elect Cirt; F Elct Contrl Nesoi
8539390000	Discharge Lamps, Except For Ultraviolet, Nesoi	853939	Discharge Lamps Ex Ultrvilt Flursent Ht Cthde Lamp
8539410000	Arc Lamps	853941	Arc Lamps
8540202000	Cathode Ray Television Camera Tubes And Other Photocathode Tubes	854020	Tv Camera Tbs; Image Cnvrtr & Intnsfr; Phtocthd Tb
8540204000	Tv Camera, Image Intensifier & Converter Tubes, Nesoi	854020	Tv Camera Tbs; Image Cnvrtr & Intnsfr; Phtocthd Tb
8540600055	Cathode-ray Tubes, Having A Video Display Diagonal Not Exceeding 36 Cm (14 Inches), Nesoi	854060	Cathode-ray Tubes, N.E.S.O.I.
8540600080	Cathode-ray Tubes, Having A Video Display Diagonal Exceeding 36 Cm, Nesoi	854060	Cathode-ray Tubes, N.E.S.O.I.
8540791000	Klystron Microwave Tubes	854079	Microwave Tubes, Nesoi

8540792000	Microwave Tubes, Nesoi	854079	Microwave Tubes, Nesoi
8540810000	Reciever Or Amplifier Tubes	854081	Receiver Or Amplifier Tubes
8540890020	Gas And Vapor Electron Tubes, Nesoi	854089	Thermionic And Other Cathode Tubes Nesoi
8540890040	Diode, Triode, And Tetrode Type Tubes	854089	Thermionic And Other Cathode Tubes Nesoi
8540890060	Light-sensing Tubes	854089	Thermionic And Other Cathode Tubes Nesoi
8540890080	Thermionic, Cold Cathode Or Photocathode Tubes, Nesoi	854089	Thermionic And Other Cathode Tubes Nesoi
8540912000	Deflection Coils For Cathode Ray Tubes	854091	Parts Of Cathode-bay Tubes
8540914000	Cathode Ray Tube Parts, Nesoi	854091	Parts Of Cathode-bay Tubes
8540990000	Thermionic, Cold Cathode Or Photocathode Tube Parts, Nesoi	854099	Parts Of Cathode Tubes, Nesoi
8543100000	Particle Accelerators, Nesoi	854310	Particle Accelerators
8543709665	Electrical Machines And Apparatus,Nesoi	854370	Elec Mach And App, Having Indiv Functions, Nesoi
8544602000	Insulated Electric Conductors With Connectors, For A Voltage Exceeding 1000 V	854460	Electric Conductors For Voltage Exceeding 1000 V
8544604000	Insulated Electric Conductors Of Copper For A Voltage Exceeding 1000 V, Nesoi	854460	Electric Conductors For Voltage Exceeding 1000 V
8544606000	Insulated Electric Conductors For A Voltage Exceeding 1000 V, Nesoi	854460	Electric Conductors For Voltage Exceeding 1000 V
8547200000	Insulating Fittings Of Plastic For Machines	854720	Insulating Fittings For Machines Made Of Plastic
8547900010	Insulating Fittings For Machines Nesoi	854790	Inslt Fit Ex Ceram/plas;elec Cond Tb/jnt,bmtl Etc
8547900020	Electrical Conduit Tubing Lined With Insulation	854790	Inslt Fit Ex Ceram/plas;elec Cond Tb/jnt,bmtl Etc
8547900030	Electrical Conduit Lined With Insulation, Joints, Threaded	854790	Inslt Fit Ex Ceram/plas;elec Cond Tb/jnt,bmtl Etc
8547900040	Electrical Conduit Lined With Insulation, Joints, Nesoi	854790	Inslt Fit Ex Ceram/plas;elec Cond Tb/jnt,bmtl Etc
8601100000	Rail Locomotives Powered From An External Source Of Electricity	860110	Rail Locomotives Powered From External Source Elec
8602900000	Rail Locomotives; Locomotive Tenders, Nesoi	860290	Rail Locomotives And Tenders Nesoi
8604000000	Railway Or Tramway Maintenance Or Service Vehicles, Whether Or Not Self-propelled (For Example, Workshops, Cranes, Ballast Tampers, Trackliners, Etc)	860400	Railway Or Tramway Maintenance Or Service Vehicles
8606920000	Railway Or Tramway Freight Cars, Open, With Non-removable Sides Of A Height Exceeding 60 Cm,Not Self-propelled,Nesoi	860692	Railway Or Trmwy Cars, Open, Non-removbl Sides Ne

8704101000	Cab Chassis, Dumpers Designed For Off-highway Use	870410	Dumpers Designed For Off-highway Use
8704105020	Motr Vehicles For The Transport Of Goods, Rear Dump,Designed For Off-highway Use,With Capacity Of 40.8 Metric Tons Or Less	870410	Dumpers Designed For Off-highway Use
8704105030	Motor Veh For The Transport Of Goods, Rear Dump, Designed For Off-highway Use, With A Capacity Exceeding 40.8 Metric Tons But Not Exced 63.5 Metric T	870410	Dumpers Designed For Off-highway Use
8704105040	Motor Veh For Transport Of Goods, Rear Dump, Designed For Off-highway Use, With A Capacity Exceeding 63.5 Metric Tons But Not Exced 90.7 Metric Tons	870410	Dumpers Designed For Off-highway Use
8704105050	Motr Veh For Tranport Of Goods,Rear Dump,Off-highway Use,Capacity Exceding 90.7 Metric Tons	870410	Dumpers Designed For Off-highway Use
8704105060	Motor Vehicles For Transport Of Goods, Dumpers Designed For Off-highway Use, Except Rear Dump	870410	Dumpers Designed For Off-highway Use
8704210100	Motor Vehicles For Transport Of Goods, Nesoi, Diesel Engine, Gvw Not Exceeding 5 Metric Tons	870421	Trucks, Nesoi, Diesel Eng, Gvw 5 Metric Tons & Und
8704224120	Motor Vehicles For The Transport Of Goods, Nesoi, Diesel Engine, Gvw Exceeding 5 Metric Tons But Not Exceeding 9 Metric Tons	870422	Mtr Veh Trans Gds Com-ig Int C P E Gvw >5nov20 Mtn
8704224140	Motor Vehicles For The Transport Of Goods, Nesoi, Diesel Engine, Gvw Exceeding 9 Metric Tons But Not Exceeding 12 Metric Tons	870422	Mtr Veh Trans Gds Com-ig Int C P E Gvw >5nov20 Mtn
8704224160	Motor Vehicles For The Transport Of Goods, Nesoi, Diesel Engine, Gvw Exceeding 12 Metric Tons But Not Exceeding 15 Metric Tons	870422	Mtr Veh Trans Gds Com-ig Int C P E Gvw >5nov20 Mtn
8704224180	Motor Vehicles For The Transport Of Goods, Nesoi, Diesel Engine, Gvw Exceeding 15 Metric Tons But Not Exceeding 20 Metric Tons	870422	Mtr Veh Trans Gds Com-ig Int C P E Gvw >5nov20 Mtn
8704320110	Motor Vehicles For The Transport Of Goods, Spark-ignition Internal Combustion Piston Engine, Gvw Exceeding 5 M Tons But Not Exceeding 9 M Tons	870432	Mtr Veh Trans Gds Spk-ig In C P Eng, Gvw > 5 M Tn
8704320120	Motor Vehicles For The Transport Of Goods, Spark-ignition Internal Combustion Piston Engine, Gvw	870432	Mtr Veh Trans Gds Spk-ig In C P Eng, Gvw > 5 M Tn

	Exceeding 9 M Tons But Not Exceeding 12 M Tons		
8704320130	Motor Vehicles For The Transport Of Goods, Spark-ignition Internal Combustion Piston Engine, Gvw Exceeding 12 But Not Exceeding 15 Metric Tons	870432	Mtr Veh Trans Gds Spk-ig In C P Eng, Gvw > 5 M Tn
8704320140	Motor Vehicles For The Transport Of Goods, Spark-ignition Internal Combustion Piston Engine, Gvw Exceeding 15 But Not Exceeding 20 Metric Tons	870432	Mtr Veh Trans Gds Spk-ig In C P Eng, Gvw > 5 M Tn
8704320150	Motor Vehicles For The Transport Of Goods, Spark-ignition Internal Combustion Piston Engine, Gvw Exceeding 20 Metric Tons	870432	Mtr Veh Trans Gds Spk-ig In C P Eng, Gvw > 5 M Tn
8705900000	Special Purpose Vehicles, Nesoi	870590	Special Purpose Vehicles, Nesoi
8709110030	Works Trucks For Use In Warehouses, Factories, Etc, Electrical, Operator Riding, Not Fitted With Lifting Or Handling Equipment	870911	Elec Vehicles (fact Etc Works Trucks & Tractors)
8709110060	Self-propelled Works Trucks Without Lifting Or Handling Equipment For Short Distance Transport Of Goods, Electrical, Except Operator Riding	870911	Elec Vehicles (fact Etc Works Trucks & Tractors)
8709900000	Parts For Works Trucks For Use In Warehouses, Factories, Etc, Not Fitted With Lifting Or Handling Equipment	870990	Parts For Works Trucks W/o Lift Equip
8716200000	Self-loading Or Self-unloading Trailers And Semi-trailers For Agricultural Purposes	871620	Self-loading Or Self-unloading Trailers,semi-trail
8716390010	Trailers And Semi-trailers, Nesoi, For Agricultural Use, Nesoi	871639	Trailers & Semi-trailer F Trans Cds Nesoi
8716390020	Trailers And Semi-trailers, Nesoi, For Use With Vehicles, Nesoi, Of Heading 8709	871639	Trailers & Semi-trailer F Trans Cds Nesoi
8716390030	Trailers And Semi-trailers, Nesoi, For Use With Vehicles, Nesoi, Of Heading 8703	871639	Trailers & Semi-trailer F Trans Cds Nesoi
8716390040	Trailers And Semi-trailers, Nesoi, Van Type, Nesoi	871639	Trailers & Semi-trailer F Trans Cds Nesoi
8716390050	Trailers And Semi-trailers, Nesoi, Platform Type	871639	Trailers & Semi-trailer F Trans Cds Nesoi
8716390090	Trailers And Semi-trailers, Nesoi, For Transport Of Goods	871639	Trailers & Semi-trailer F Trans Cds Nesoi

9010100000	Apparatus & Equipment, Automatically Developing Photographic Film/Paper In Rolls, Automatically Exposing Developing Film To Roll Of Photographic Paper	901010	Apparatus & Equip, Automatic Developing Photo Film
9015400000	Photogrammetrical Surveying Instruments And Appliances	901540	Photogrammetrical Surveying Instruments & Applnces
9015802000	Optical Surveying, Hydrographic, Oceanographic, Hydrological, Meteorological Or Geophysical Instruments And Appliances, Exc Rangefinder&Compasses, Nes	901580	Surveying Instruments And Appliances, Nesoi Etc.
9015806000	Seismographs	901580	Surveying Instruments And Appliances, Nesoi Etc.
9015808040	Geophysical Instruments And Appliances, Nesoi	901580	Surveying Instruments And Appliances, Nesoi Etc.
9015808080	Surveying, Hydrographic, Oceanographic, Hydrological Or Meteorological Instruments And Appliances, Excluding Compasses And Rangefinders, Nesoi	901580	Surveying Instruments And Appliances, Nesoi Etc.
9015900100	Parts And Accessories For Surveying	901590	Parts And Accessories For Surveying Etc Nesoi
9029100000	Revolution Counters, Production Counters, Taximeters, Odometers, Pedometers And The Like	902910	Revolution Counters, Production Counters, Etc
9031200000	Test Benches	903120	Test Benches
9031491000	Profile Projectors	903149	Measuring Or Checking Instruments & Machines,nesoi
9031494000	Coordinate-measuring Machines For Optical Instruments And Appliances	903149	Measuring Or Checking Instruments & Machines,nesoi
9031498000	Optical Instruments And Appliances Nesoi	903149	Measuring Or Checking Instruments & Machines,nesoi
9031808060	Equipment For Testing Electrical Characteristics Of Internal Combustion Engines	903180	Meas & Checkng Instrument, Appliances & Mach Nesoi
9031808070	Equipment For Testing The Characteristics Of Internal Combustion Engines, Nesoi	903180	Meas & Checkng Instrument, Appliances & Mach Nesoi
9031808080	Measuring Or Checking Instruments, Appliances And Machines, Nesoi	903180	Meas & Checkng Instrument, Appliances & Mach Nesoi
9032810040	Hydraulic Or Pneumatic Industrial Process Control Instruments And Apparatus	903281	Hydraulic/pneumatic Auto Regulating/contr Ins/appr

9032810080	Hydraulic And Pneumatic Instruments And Apparatus Except Industrial Process Control	903281	Hydraulic/pneumatic Auto Regulating/contr Ins/appr
9032893000	Automatic Voltage And Voltage-current Regulators	903289	Auto Regulating Ins & Appr Ex Throstat,mnstat, Etc
9032896020	Control Instruments For Air Conditioning, Refrigeration Or Heating Systems	903289	Auto Regulating Ins & Appr Ex Throstat,mnstat, Etc
9032896030	Process Control Instruments And Apparatus For Complete Systems	903289	Auto Regulating Ins & Appr Ex Throstat,mnstat, Etc
9032896040	Process Control Instruments And Apparatus For Temperature Control	903289	Auto Regulating Ins & Appr Ex Throstat,mnstat, Etc
9032896050	Process Control Instruments And Apparatus For Pressure Draft Control	903289	Auto Regulating Ins & Appr Ex Throstat,mnstat, Etc
9032896060	Process Control Instruments And Apparatus For Flow And Liquid Level Control	903289	Auto Regulating Ins & Appr Ex Throstat,mnstat, Etc
9032896070	Process Control Instruments And Apparatus For Humidity Control	903289	Auto Regulating Ins & Appr Ex Throstat,mnstat, Etc
9032896075	Process Control Instruments And Apparatus, Nesoi	903289	Auto Regulating Ins & Appr Ex Throstat,mnstat, Etc
9032896085	Automatic Regulating Or Controlling Instruments, Nesoi	903289	Auto Regulating Ins & Appr Ex Throstat,mnstat, Etc

5. Supplement no. 5 to part 746 is amended by adding a sentence to the end of the introductory text to read as follows:

Supplement No. 5 to Part 746 – ‘Luxury Goods’ That Require a License For Export, Reexport, and Transfer (In-Country) to or Within Russia or Belarus Pursuant to § 746.10(a)(1) and (2)

* * * Schedule B number 8412294000 is listed in both this supplement and supplement no. 4 to this part, so exporters, reexporters, and transferors must comply with the license requirements under both §§ 746.5(a)(ii) and 746.10 as applicable.

* * * * *

Thea D. Rozman Kendler,

Assistant Secretary for Export Administration.