

## HOOFDSTUK A

## LUIDSPREKERTRANSFORMATOREN

INLEIDING

De pagina's van dit hoofdstuk, zijn ingedeeld als volgt :

|                                                                                                                            |                   |
|----------------------------------------------------------------------------------------------------------------------------|-------------------|
| Inleiding en algemene richtlijnen                                                                                          | A-a-1; A-a-2 enz. |
| Overzicht van codenummers van de te vervangen transformatoren, gevolgd door de codenummers van de standaardtransformatoren | A-b-1; A-b-2 enz. |
| Overzicht van codenummers van de standaardtransformatoren, gevolgd door de codenummers van de te vervangen transformatoren | A-c-1; A-c-2 enz. |
| Figuren van de standaardtransformatoren                                                                                    | A-d-1; A-d-2 enz. |
| Figuren van de te vervangen transformatoren                                                                                | A-e-1; A-e-2 enz. |
| Overzicht van typenummers van ontvangers met de hierin toegepaste originele luidspreker-transformatoren                    | A-f-1; A-f-2 enz. |

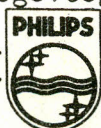
ALGEMENE RICHTLIJNEN

Op de bladen A-b-1, A-b-2 enz. kan men voor een te vervangen transformator het codenummer van de standaardtransformator vinden. Ook de plaats, waar de originele transformator getekend is, is hierop aangegeven.

Op het vouwblad A-d-1, zijn de aansluitingen van de standaardtransformator getekend. De contact-lippen zijn evenals die van de originele transformator genummerd. Deze nummers zijn te allen tijde overeenkomstig. De verbindingsdraad (of draden) verbonden aan de lip genummerd 1 bij de originele transformator, wordt aan lip 1 van de standaardtransformator bevestigd. Punt 2 aan 2 enz.

Indien 2 contact-punten op de standaardtransformator moeten worden doorverbonden, is dit aangegeven onder de figuren van de originele transformatoren.

Het zal U opvallen, dat in deze nieuwe uitgave de bladen A-f-1, A-f-2-enz. toegevoegd zijn.





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De reden hiervan is de volgende:

Door gebruik van nieuw materiaal, werkmethode etc. is het mogelijk geworden, betere transformatoren in een kleiner volume te fabriceren. Deze nieuwe mogelijkheden zullen ook op de standaard-transformatoren worden toegepast. Doordat het volume kleiner is, kunnen oude vorm en plaats van de aansluitlippen niet gehandhaafd blijven. Bovendien zullen de "oude" standaardtransformatoren op de duur ook vervangen worden.

Hierbij kan het voorkomen, dat een "oude" standaardtransformator vervangen wordt door 2 of 3 van de nieuwe uitvoering, waardoor een directe verwijzing niet mogelijk is. Daaren-boven is in de stuklijst van vele service-documentaties, niet het originele nummer maar dat van de standaardtransformator vermeld.

Om aan deze moeilijkheid tegemoet te komen, zijn de bladen A-f-1, A-f-2 toegevoegd. Hierin zijn vermeld, de type-nummers van apparaten gevolgd door het code-nummer van de hierin toegepaste originele transformatoren.

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Om U erop attent te maken, dat een "oude" standaard (die U in de documentatie vindt) vervangen moet worden, zijn deze ook op de bladen A-b-1, A-b-2 enz. opgenomen, echter niet gevolgd door een vervangings-nummer. Dit is voor U het teken, dat U op de bladen A-f-1, A-f-2 enz. eerst het originele nummer op moet zoeken. Hierna kan weer de normale procedure gevolgd worden.

### VOORBEELD

Luidspreker-transformator A3 151 64.

De transformator kan worden gevonden in het overzicht van de originele transformatoren, in dit geval op blad A-b-1. Achter de transformator staat pagina A-e-1, tekening no. 17. Tevens is achter het codenummer de standaard gegeven, nl. 918/06.

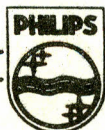
Voor het vervangen gaat men nu als volgt te werk:

De verbindingsdraad (of draden) verbonden aan de lip, genummerd 1 bij de originele transformator, wordt aan lip 1 van de standaardtransformator bevestigd.

De verbindingsdraad (of draden) verbonden aan lip 2, aan 2. Op deze wijze verbinden wij dus alle aansluitdraden van de originele transformator met deze van de standaard.

Nog enkele punten waarop gelet moet worden, zijn:

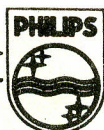
1. Indien onder de tekening van de originele transformator bijvoorbeeld 7+8 staat, betekent dit dat deze punten op de standaardtransformator, moeten worden doorverbonden.





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2. Bij sommige te vervangen transformatoren vindt men meer contact-punten dan op de tekening gegeven zijn. De niet op de tekening voorkomende lippen zijn steunpunten en dus niet met de spoel verbonden. Op de standaardtransformator zijn dergelijke steunpunten niet aanwezig. Er moet dus een ander bevestigingspunt gezocht worden.
3. Een merkstip op de transformator geeft het begin van de primaire spoel aan. Als na het inbouwen van de standaardtransformator een fluittoon optreedt (genereren), dan controleer men de aansluitdraden, om na te gaan of begin en einde van de wikkeling niet zijn verwisseld.
4. Indien bij apparaten, waarvan de originele transformator voorzien is van een anti-brom wikkeling, na vervanging brom optreedt, moet in serie met de anti-brom wikkeling een weerstand van  $410\ \Omega$  worden opgenomen (2x A9 999 00/820E par.).
5. De afmetingen van de standaardtransformator kunnen iets afwijken van die der originele. Het kan in die gevallen nodig zijn, een gat in het chassis te boren of de bedrading iets te verleggen.
6. "Oude" standaardtransformatoren opgebruiken volgens richtlijnen vorige editie.



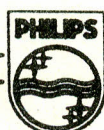




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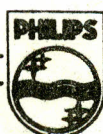




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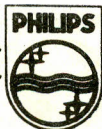




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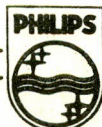




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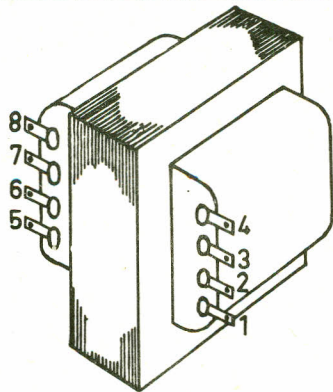
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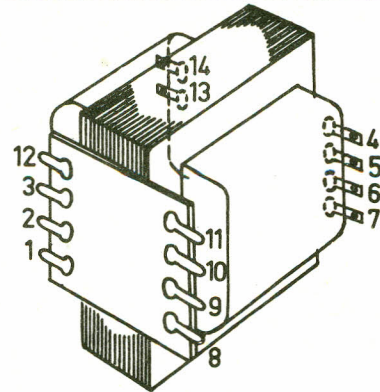




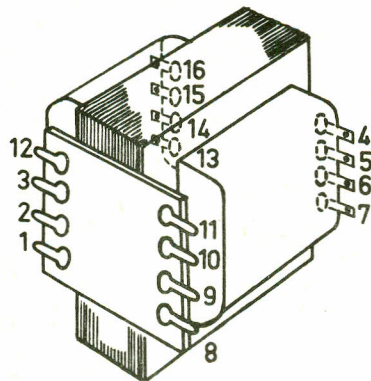
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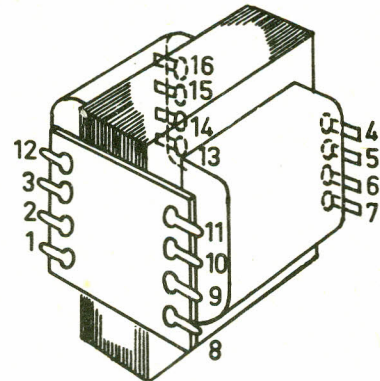
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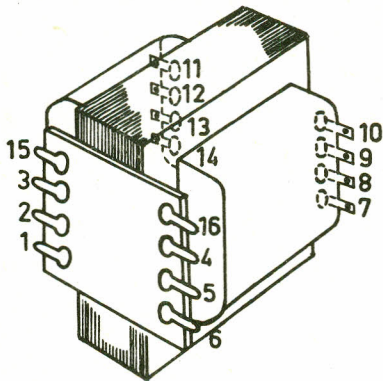
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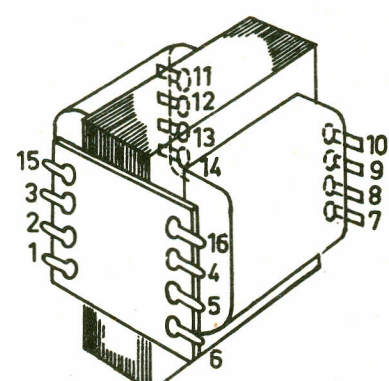
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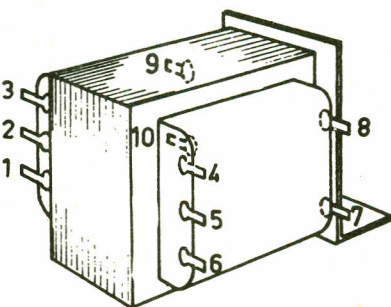
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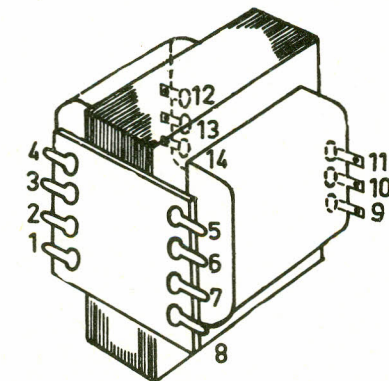
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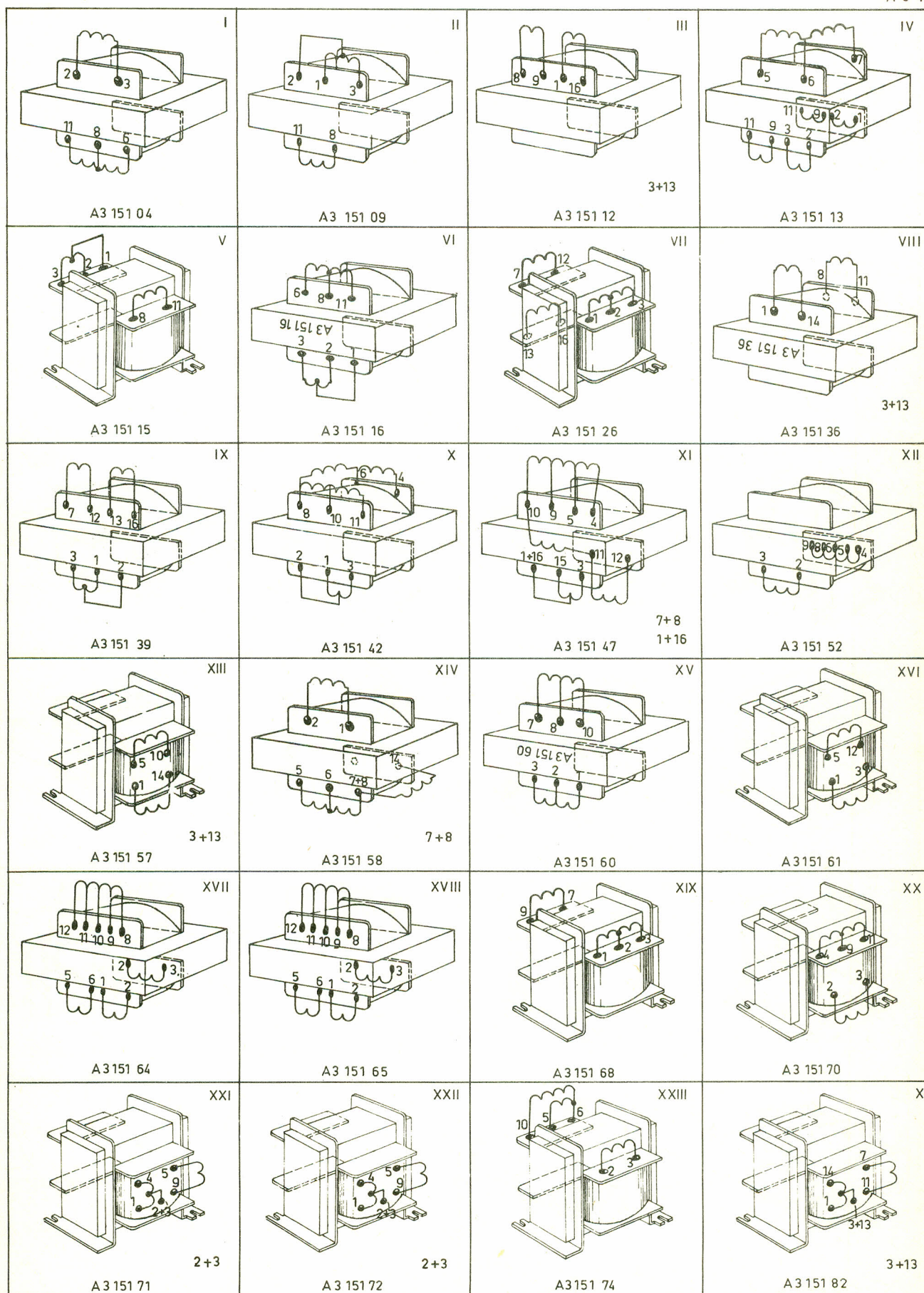


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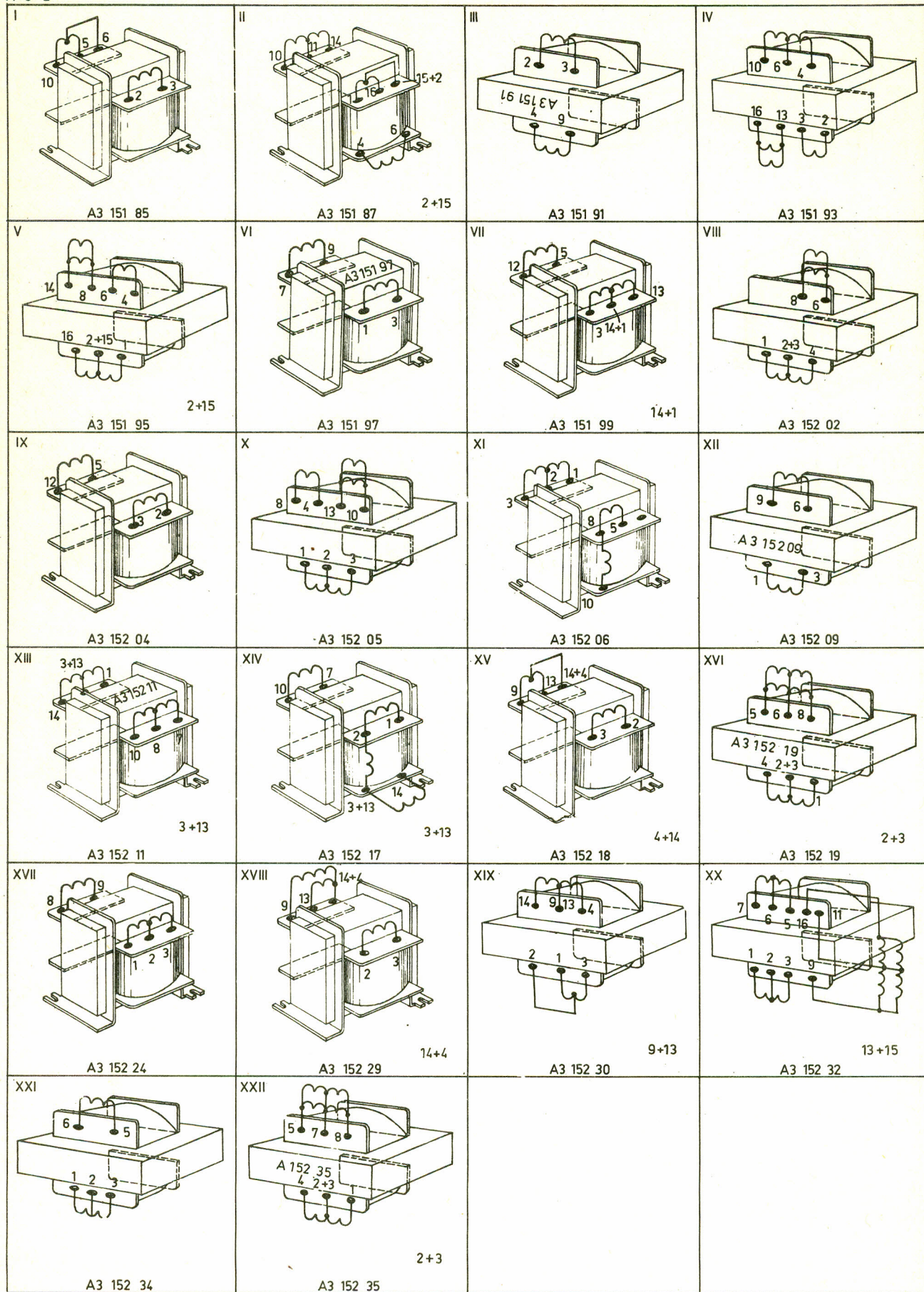




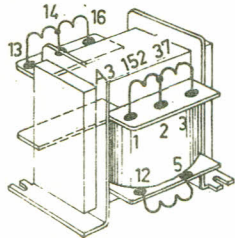
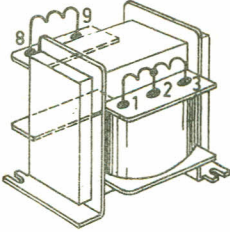
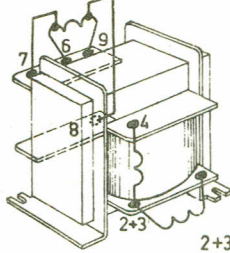
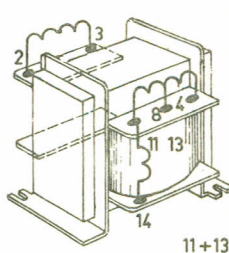
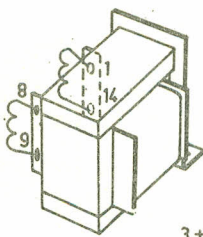
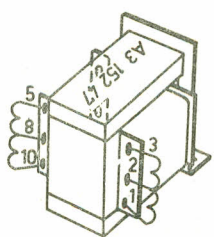
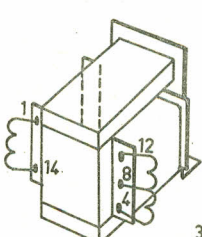
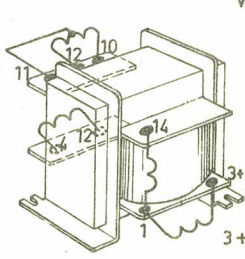
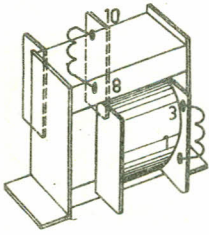
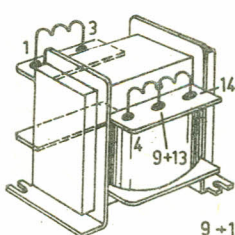
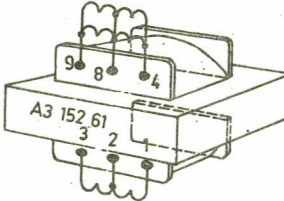
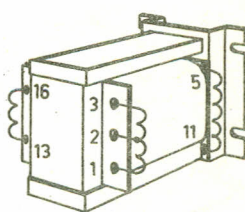
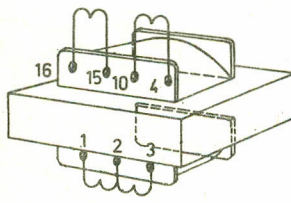
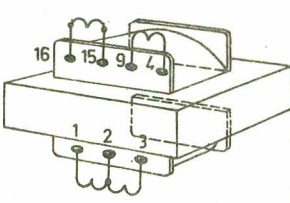
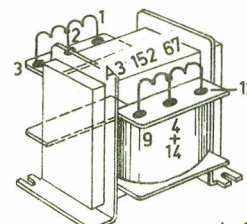
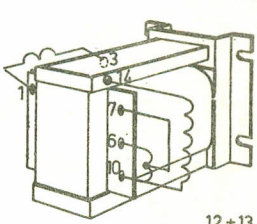
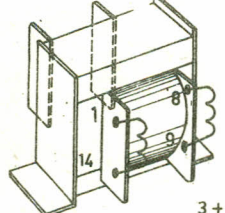
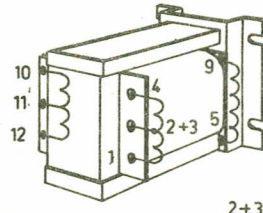
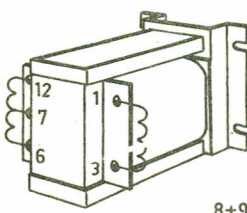
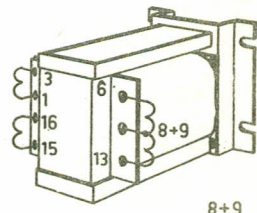
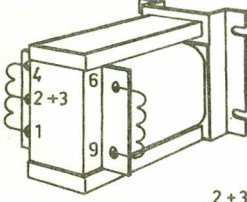
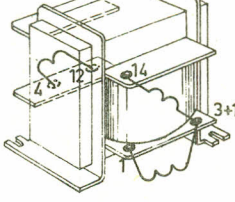
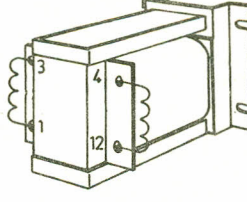
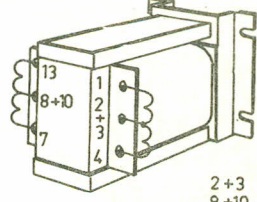




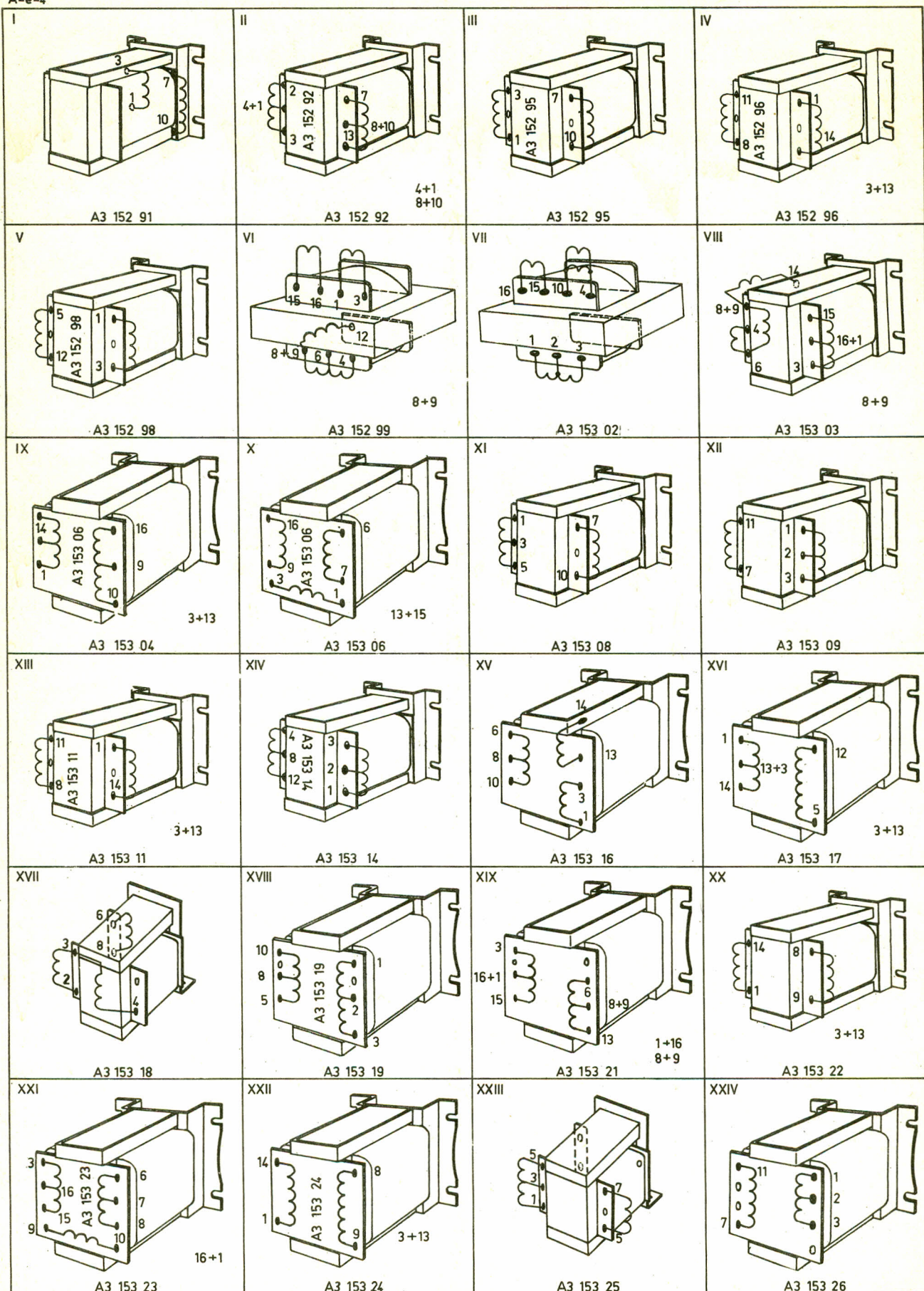




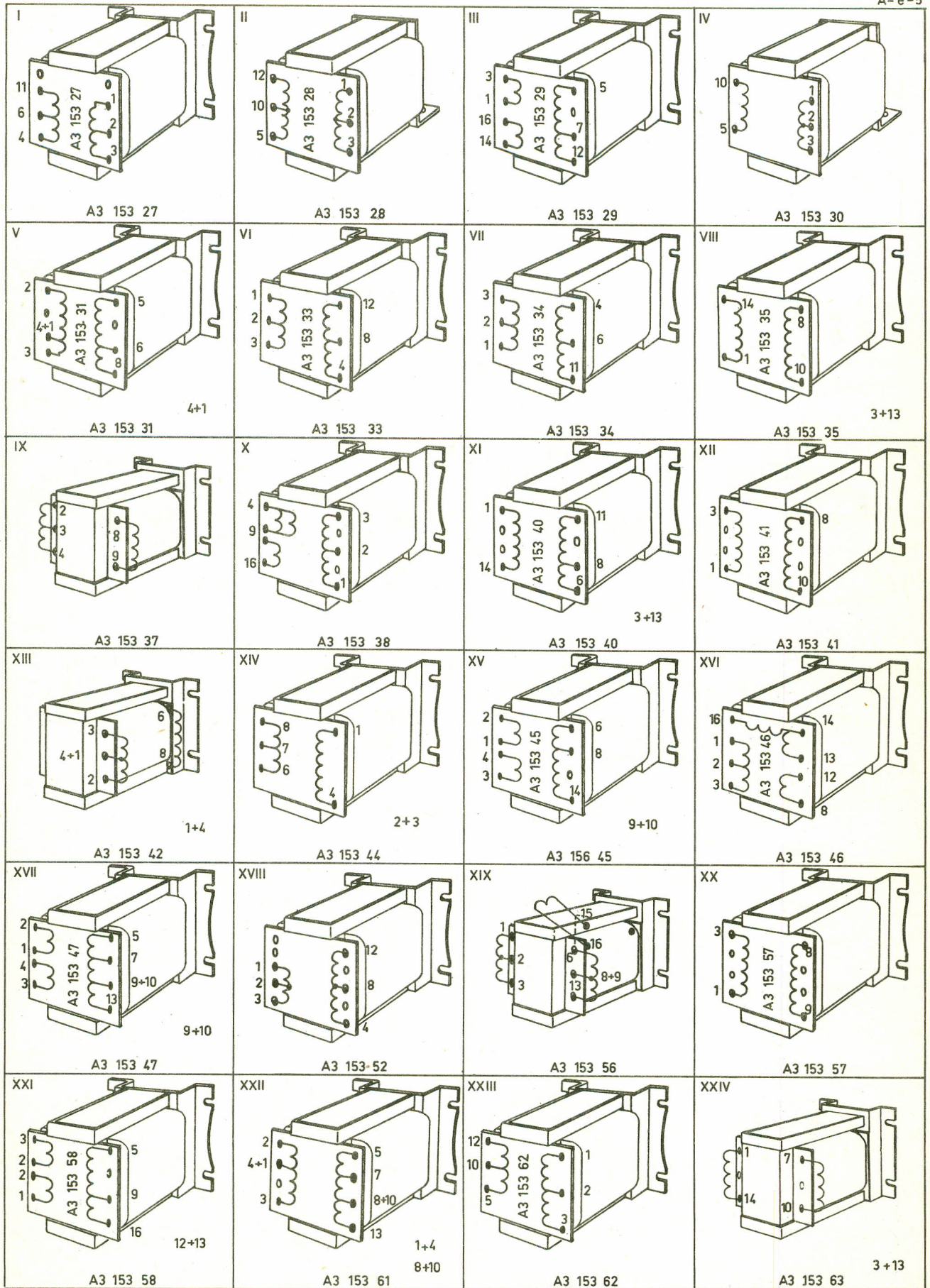


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|  <p>XIII</p> <p>A3 152 63</p> |  <p>XIV</p> <p>A3 152 64</p>   |  <p>XV</p> <p>A3 152 67</p>    |  <p>XVI</p> <p>A3 152 69</p>  |
|  <p>XVII</p> <p>A3 152 74</p> |  <p>XVIII</p> <p>A3 152 75</p> |  <p>XIX</p> <p>A3 152 76</p>   |  <p>XX</p> <p>A3 152 78</p>   |
|  <p>XXI</p> <p>A3 152 79</p>  |  <p>XXII</p> <p>A3 152 87</p>  |  <p>XXIII</p> <p>A3 152 88</p> |  <p>XXIV</p> <p>A3 152 89</p> |

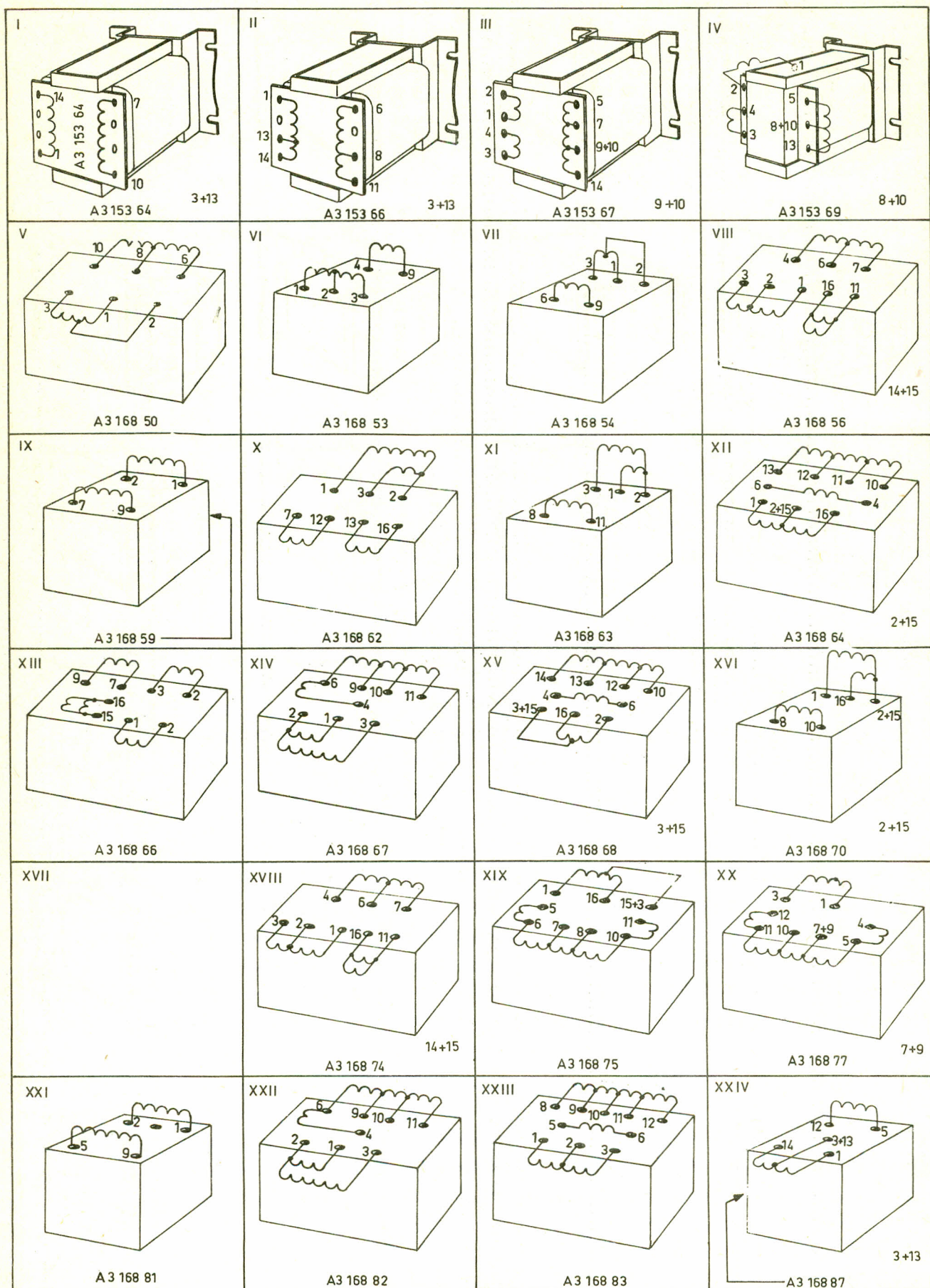




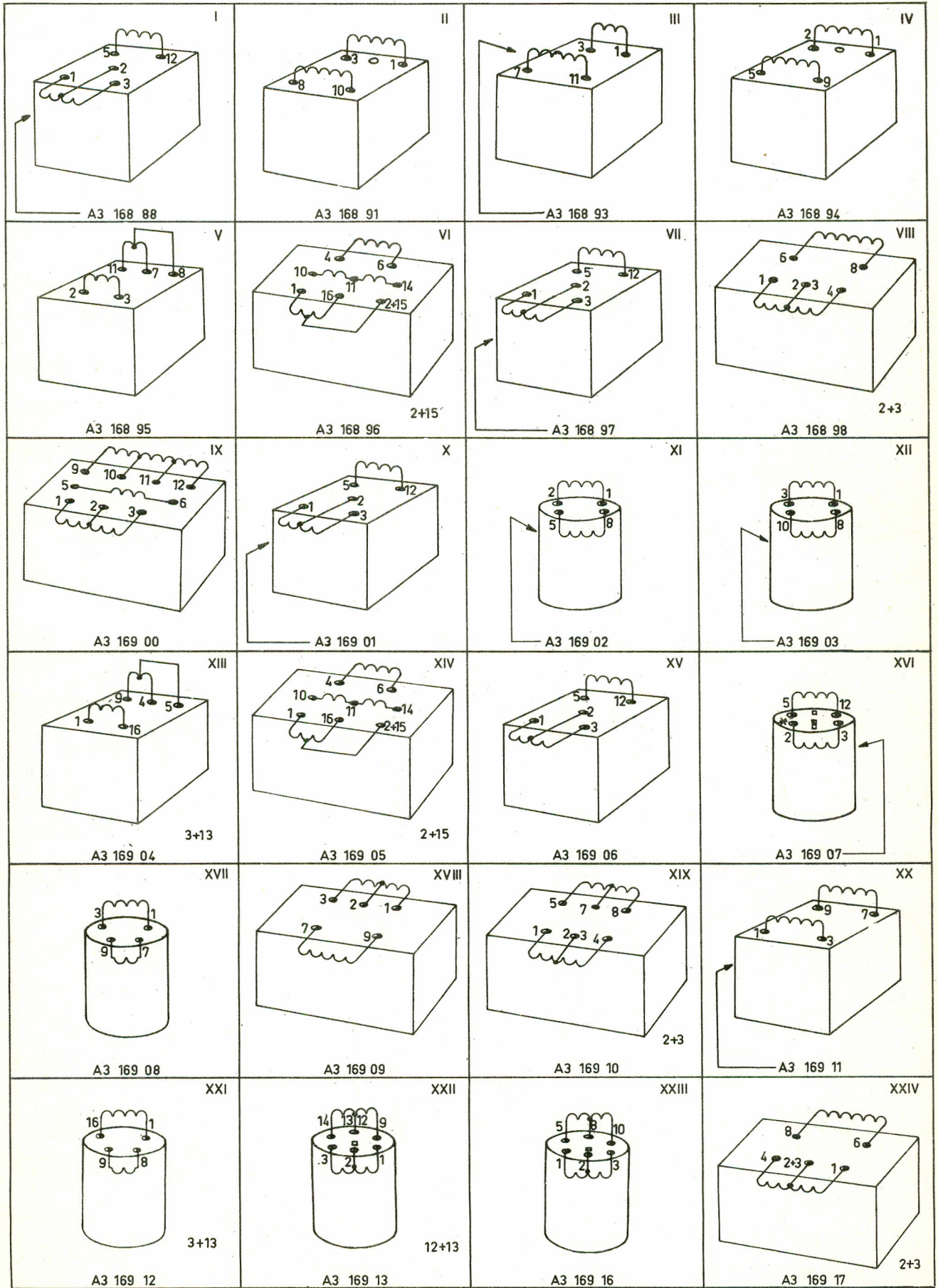




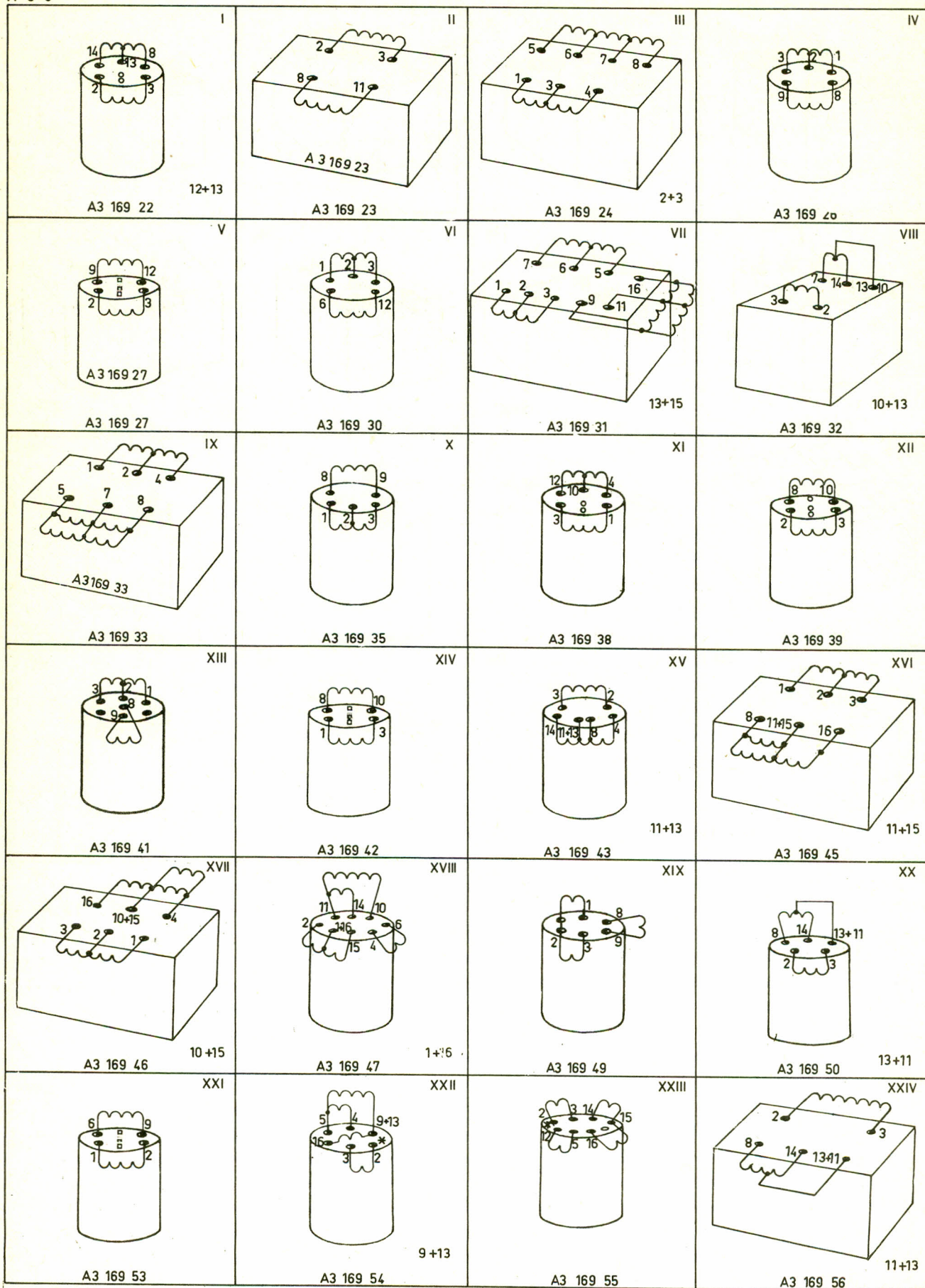




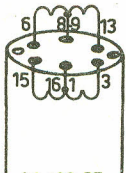
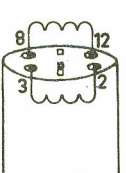
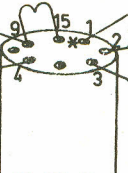
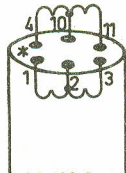
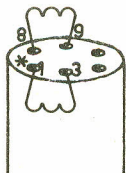
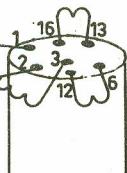
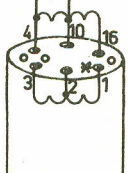
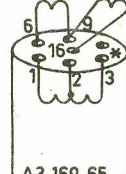
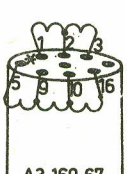
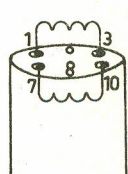
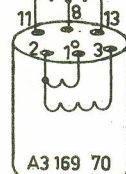
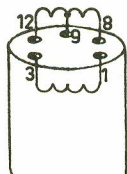
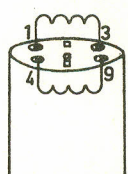
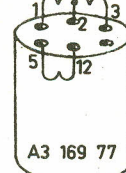
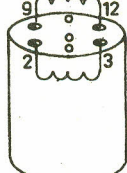
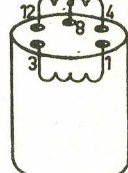










|                                                                                                                                 |                                                                                                                                     |                                                                                                                                     |                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <p>I</p>  <p>A3 169 57</p> <p>8+9<br/>1+16</p> | <p>II</p>  <p>A3 169 58</p>                        | <p>III</p>  <p>A3 169 59</p> <p>3+15<br/>6+12</p> | <p>IV</p>  <p>A3 169 60</p> <p>12+13</p>   |
| <p>V</p>  <p>A3 169 61</p>                     | <p>VI</p>  <p>A3 169 62</p>                        | <p>VII</p>  <p>A3 169 63</p>                      | <p>VIII</p>  <p>A3 169 64</p> <p>10+15</p> |
| <p>IX</p>  <p>A3 169 65</p> <p>12+13</p>      | <p>X</p>  <p>A3 169 66</p>                        | <p>XI</p>  <p>A3 169 67</p> <p>12+13</p>         | <p>XII</p>  <p>A3 169 69</p>              |
| <p>XIII</p>  <p>A3 169 70</p> <p>8+14</p>    | <p>XIV</p>  <p>A3 169 71</p> <p>1+16<br/>9+8</p> | <p>XV</p>  <p>A3 169 72</p>                     | <p>XVI</p>  <p>A3 169 73</p>             |
| <p>XVII</p>  <p>A3 169 75</p>                | <p>XVIII</p>  <p>A3 169 77</p>                   | <p>XIX</p>  <p>A3 169 78</p>                    | <p>XX</p>  <p>A3 169 79</p>              |
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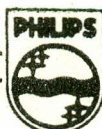






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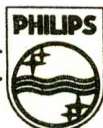
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| BX 135 B-00-63-70-72-75-92-95                                                            | A3 169 39                     |
| BX 135 U-00-01-02-62-63-70-71-72-73<br>-75-76-80-81-82-83-85-86-95-96                    | A3 169 07                     |
| BX 135 U-19-69                                                                           | A3 151 99                     |
| BX 136 B-10                                                                              | A3 169 78                     |
| BX 137 B-00-63-95                                                                        | A3 153 24                     |
| BX 137 U-88-89-98-99                                                                     | A3 169 07                     |
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| BX 310 U-00-02                                                                           | A3 152 37                     |





## PHILIPS SERVICE

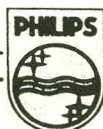
| Type nr.app.                                                    | Codenummer<br>originele trafo |
|-----------------------------------------------------------------|-------------------------------|
| BX 311 A                                                        | A3 152 18                     |
| BX 311 U                                                        | A3 152 37                     |
| BX 313 A                                                        | A3 152 18                     |
| BX 315 U                                                        | A3 169 07                     |
| BX 316 B-00-01                                                  | A3 169 42                     |
| BX 316 U-00-02-07-09-10-50                                      | A3 169 07                     |
| BX 317 U                                                        | A3 169 07                     |
| BX 320 A-00-04-17-19                                            | A3 152 18                     |
| BX 320 A-01                                                     | A3 152 69                     |
| BX 320 U-01                                                     | A3 152 62                     |
| BX 321 A-00-10-12-19-50-51-64-69-89                             | A3 152 18                     |
| BX 323 B-00-01-02-05-06-08-09                                   | A3 152 52                     |
| BX 323 U                                                        | A3 151 99                     |
| BX 326 B-00-01                                                  | A3 169 42                     |
| BX 326 U-00-02-03-04-06-10                                      | A3 169 07                     |
| BX 327 U-04-06-10                                               | A3 169 07                     |
| BX 328 B-00-01-02-08                                            | A3 169 42                     |
| BX 328 U                                                        | A3 169 07                     |
| BX 329 B-00-01                                                  | A3 169 42                     |
| BX 330 A-00-12-19-32-64-69                                      | A3 152 92                     |
| BX 332 A-00-04-09-11-12-13-14-16-19-32<br>-49-62-66-69-82-86-89 | A3 151 99                     |
| BX 335 B-00 -04                                                 | A3 169 42                     |
| BX 335 U                                                        | A3 169 77                     |
| BX 350 A-00-32                                                  | A3 152 78                     |
| BX 351 A                                                        | A3 152 78                     |
| BX 352 B-00-01-02                                               | A3 153 24                     |
| BX 355 B-00-01-02-04-05                                         | A3 153 24                     |
| BX 355 U-00-04                                                  | A3 169 77                     |
| BX 357 B-00-01-02                                               | A3 153 24                     |
| BX 410 A-00-02-17-19-20-32-40                                   | A3 152 29                     |
| BX 410 A-22                                                     | A3 151 74                     |





## PHILIPS SERVICE

| Type nr.app.                           | Codenummer<br>originele trafo |
|----------------------------------------|-------------------------------|
| BX 410 Z                               | A3 152 29                     |
| BX 411 A                               | A3 151 15                     |
| BX 416 A-00-02-03-21-50-52-53-71-90-91 | A3 169 22                     |
| BX 416 Z-00-21-90-91                   | A3 169 22                     |
| BX 420 A-01-02-03-06-19-20             | A3 152 18                     |
| BX 423 B-00-01-05-06                   | A3 152 40                     |
| BX 425 A                               | A3 169 22                     |
| BX 425 Z                               | A3 169 22                     |
| BX 426 A-00-50-71                      | A3 169 22                     |
| BX 426 U                               | A3 169 47                     |
| BX 426 Z-00-15-71                      | A3 169 22                     |
| BX 427 A-00-10                         | A3 169 22                     |
| BX 427 U                               | A3 169 47                     |
| BX 427 Z                               | A3 169 22                     |
| BX 428 A                               | A3 169 22                     |
| BX 428 B-00-01                         | A3 169 35                     |
| BX 429 B                               | A3 169 35                     |
| BX 430 A-10-12-19-50                   | A3 152 78                     |
| BX 433 A-00-02-16-19-38-54             | A3 152 78                     |
| BX 435 A-11                            | A3 169 65                     |
| BX 435 Z                               | A3 169 65                     |
| BX 439 B-00-05-10                      | A3 169 35                     |
| BX 439 V                               | A3 169 35                     |
| BX 443 A-00-02                         | A3 152 78                     |
| BX 449 A                               | A3 169 71                     |
| BX 449 B-00-05                         | A3 169 35                     |
| BX 450 A                               | A3 152 78                     |
| BX 453 A-00-19-90-91                   | A3 152 78                     |
| BX 454 A-00-90                         | A3 152 78                     |
| BX 455 A                               | A3 169 65                     |
| BX 455 Z                               | A3 169 65                     |
| BX 459 A                               | A3 169 71                     |



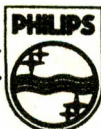


## PHILIPS SERVICE

Type nr. app.

Codenummer  
originele trafo

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| BX 459 A-08-10                         | A3 169 35 |
| BX 459 A-01                            | A3 153 25 |
| BX 459 U-                              | A3 169 35 |
| BX 510 A-                              | A3 151 93 |
| BX 510 A-01                            | A3 151 71 |
| BX 511 A-00-20                         | A3 151 93 |
| BX 514 U-                              | A3 151 95 |
| BX 515 AU-00-11                        | A3 168 77 |
| BX 516 A-02-10-21                      | A3 169 32 |
| BX 516 Z-00-21                         | A3 169 32 |
| BX 520 A-00-01-09-19-46                | A3 152 18 |
| BX 523 A                               | A3 152 18 |
| BX 524 A-00-16                         | A3 152 67 |
| BX 525 A                               | A3 169 22 |
| BX 525 Z                               | A3 169 22 |
| BX 526 A-00-15-21                      | A3 169 22 |
| BX 526 U                               | A3 169 47 |
| BX 526 Z-00-21                         | A3 169 22 |
| BX 527 Z                               | A3 169 22 |
| BX 531 A-21                            | A3 169 58 |
| BX 533 A-00-19-38                      | A3 152 78 |
| BX 534 A-12-14-32-38-50                | A3 169 58 |
| BX 535 A-10-12                         | A3 169 57 |
| BX 536 A-00-58                         | A3 169 57 |
| BX 536 Z                               | A3 169 59 |
| BX 539 A                               | A3 169 57 |
| BX 543 A-02-19-54                      | A3 152 99 |
| BX 548 A-00-54                         | A3 169 71 |
| BX 549 A-                              | A3 169 71 |
| BX 555 A-                              | A3 169 57 |
| BX 555 Z-                              | A3 169 57 |
| BX 558 A-                              | A3 153 45 |
| BX 610 A-00-16-17-19-20-29-40-46-48-59 | A3 152 02 |
| BX 616 A-00-11                         | A3 168 75 |
| BX 620 A-00-03-19-32                   | A3 152 57 |
| BX 624 A                               | A3 169 43 |
| BX 626 A-00-02-04-10                   | A3 169 43 |
| BX 626 U-                              | A3 169 47 |
| BX 626 Z                               | A3 169 43 |
| BX 630 A                               | A3 169 58 |
| BX 632 A-19-32-50                      | A3 169 58 |
| BX 633 A-00-16-19-32-38-59-69          | A3 152 78 |
| BX 634 A-00-01                         | A3 152 67 |
| BX 638 A-                              | A3 169 57 |
| BX 638 U                               | A3 169 47 |



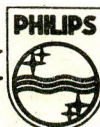


## PHILIPS SERVICE

Type nr. app.

Codenummer  
originele trafo

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| BX 638 Z                            | A3 169 59             |
| BX 640 A-00-59                      | A3 153 09             |
| BX 642 A-00-16                      | A3 153 14 + A3 152 99 |
| BX 642 A-19                         | A3 153 47 + A3 153 14 |
| BX 642 A-38-                        | A3 152 99 + A3 153 14 |
| BX 643 A-00-02-16-19                | A3 152 99             |
| BX 645 A-00-60-65                   | A3 169 57             |
| BX 645 U                            | A3 169 47             |
| BX 653 A-00-16-38                   | A3 153 09             |
| BX 659 B                            | A3 152 99             |
| BX 716 X-01-51                      | A3 169 17             |
| BX 717 X-                           | A3 169 33             |
| BX 718 X-00-51                      | A3 169 17             |
| BX 719 X                            | A3 169 45             |
| BX 722 A                            | A3 152 19             |
| BX 735 A-00-21                      | A3 169 60             |
| BX 738 A-                           | A3 169 67             |
| BX 740 A-00-16-19                   | A3 152 99             |
| BX 745 A-00-21-60-65                | A3 169 60             |
| BX 750 A-00-16-19-38                | A3 152 99 + A3 153 09 |
| BX 755 A                            | A3 153 29 + A3 153 30 |
| BX 756 A                            | A3 153 29 + A3 153 30 |
| BX 758 A                            | A3 153 30 + A3 153 47 |
| BX 759 A-54                         | A3 153 14 + A3 153 47 |
| BX 822 A-10                         | A3 152 63             |
| BX 998 A-00-16-19-29-32-38-54-74    | A3 169 72 + A3 152 98 |
|                                     |                       |
| FX 551 A-00-90                      | A3 152 78             |
| FX 552 A-00-90                      | A3 152 78             |
| FX 557 A-00-10-60                   | A3 169 71             |
| FX 611 A                            | A3 152 29             |
| FX 612 A                            | A3 151 15             |
| FX 613 A-00-20                      | A3 152 29             |
| FX 613 A-20-49-69-70-71-79-89       | A3 152 29             |
| FX 614 A                            | A3 152 29             |
| FX 615 A                            | A3 168 63             |
| FX 617 A-00-03-05-06-08-10-12-51-66 | A3 169 32             |
| FX 617 AU-00-05                     | A3 169 32             |
| FX 618 A-00-03-05-08-10-29-58       | A3 169 32             |
| FX 619 A                            | A3 169 32             |
| FX 624 A                            | A3 152 67             |
| FX 631 A-00-01- 54-99               | A3 152 78             |
| FX 637 A                            | A3 169 57             |
| FX 637 AU-00-10-56                  | A3 169 59             |
| FX 641 A                            | A3 152 99 + A3 153 14 |





## PHILIPS SERVICE

Type nr. app.

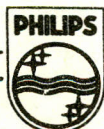
Codenummer

Originele trafo

|                                     |                       |
|-------------------------------------|-----------------------|
| FX 651 A                            | A3 152 99 + A3 153 09 |
| FX 651 A-90-92                      | A3 153 09             |
| FX 652 A                            | A3 152 99 + A3 153 09 |
| FX 652 A-90-92                      | A3 153 09             |
| FX 656 A-00-01-02-10-60-61-62       | A3 153 29 + A3 153 30 |
| FX 657 A-00-01-61-                  | A3 153 29 + A3 153 30 |
| FX 614 A-00-05-07-10-16-20-30-50    | A3 152 02             |
| FX 723 A-03-054-60                  | A3 152 64             |
| FX 723 A-90-91-96-97                | A3 153 38             |
| FX 727 A-00-02-06-10                | A3 169 45             |
| FX 727 X-00-02                      | A3 169 45             |
| FX 737 A-00-10-60-66                | A3 169 60             |
| FX 741 A-                           | A3 153 03             |
| FX 742 A                            | A3 153 03             |
| FX 743 A-00-54                      | A3 153 99 + A3 153 14 |
| FX 744 A-00-54                      | A3 152 99 + A3 153 14 |
| FX 744 A-90-94                      | A3 152 99 + A3 153 14 |
| FX 744 A-00-60                      | A3 169 60             |
| FX 748A-00-16                       | A3 153 28             |
| FX 749 A-00-02-03-06-10-60-66-62-63 | A3 153 28             |
| FX 814 A-00-19-32-50                | A3 152 19             |
| FX 819 A-00-08-10-50-60             | A3 169 17             |
| FX 819 X-00-05-29-50                | A3 169 17             |
| FX 824 A-00-02-19-32-54-56-60       | A3 152 60             |
| FX 824 A-90-96                      | A3 153 02             |
| FX 829 A-00-08-10                   | A3 169 46             |
| FX 829 X-                           | A3 169 46             |
| FX 839 A-00-10-56-66                | A3 169 64             |
| FX 840 A-00-19-29-32-54-60          | A3 152 64             |
| FX 840 A-90-91-96-97                | A3 153 38             |
| FX 845 A-00-10                      | A3 169 60             |
| FX 847 A-                           | A3 169 60             |
| FX 995 A-00-03-04-19-63-64-69       | A3 169 79 + A3 152 98 |
| FX 997 A-00-03-04-19-63-64-69       | A3 169 79 + A3 152 98 |

HX 347 A-00-01-02-03-60-61-62-63-64-65-92-93-96-98

|                                  |           |
|----------------------------------|-----------|
|                                  | A3 169 77 |
| HX 347 A-05-19-69                | A3 151 99 |
| HX 348 A-00-01-60-61             | A3 169 77 |
| HX 348 A-02-03-19-69-79-89-92-93 | A3 151 99 |
| HX 424 A-00-03-04-06-19          | A3 151 99 |
| HX 428 A-00-02-03-10             | A3 169 07 |
| HX 454 A-00-01                   | A3 369 07 |
| HX 458 A-00-01-60-61             | A3 169 07 |
| HX 511 A-00-01-20-71             | A3 152 29 |
| HX 513 A-00-02-30-70             | A3 152 29 |



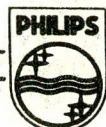


## PHILIPS SERVICE

Type nr. app.

Codenummer  
Original trafo

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| HX 514 A-00-20                     | A3 152 29 |
| HX 518 A-00-03-05-08-10-30-38      | A3 169 32 |
| HX 523 A-00-01-20                  | A3 152 18 |
| HX 528 A-00-01-03-60               | A3 169 22 |
| HX 531 A                           | A3 169 58 |
| HX 532 A-00-16                     | A3 169 58 |
| HX 538 A-00-10-60                  | A3 169 57 |
| HX 539 A-                          | A3 169 57 |
| HX 543 A-00-16                     | A3 152 78 |
| HX 553 A-                          | A3 152 78 |
| HX 558 A-00-10-60                  | A3 169 57 |
|                                    |           |
| LX 422 AB-00-19-29-32-40-49        | A3 152 44 |
| LX 422 AB-49-69-89                 | A3 152 44 |
| LX 423 AB                          | A3 152 44 |
| LX 432 AB                          | A3 152 74 |
| LX 434 AB-00-32-69-89              | A3 152 74 |
| LX 437 AB-                         | A3 169 62 |
| LX 444 AB-01-02-03-04              | A3 152 74 |
| LX 527 AB-00-01-08-10-11-19-32-69- | A3 169 35 |
| LX 548 AB-00-19                    | A3 169 35 |
|                                    |           |
| B1X68B-00-63-70-72-95              | A3 153 24 |
| B1X68U-00-01                       | A3 169 07 |
| B2X60B-                            | A3 153 22 |
| B2X67B-62-95-97                    | A3 153 24 |
| B2X67BT-62-95-97                   | A3 153 25 |
| B2X68B-63-72-82                    | A3 169 78 |
| B2X68B-97                          | A3 153 24 |
| B3X62B-                            | A3 153 24 |
| B3X63A-00-19                       | A3 152 92 |
| B3X65BT                            | A3 153 25 |
| B3X66B-00-04-13-80                 | A3 153 24 |
| B3X66BT-                           | A3 153 25 |
| B3X67B-                            | A3 153 24 |
| B3X67BT                            | A3 153 25 |
| B3X69A                             | A3 153 45 |
| B3X71BT                            | A3 153 25 |
| B3X67BT                            | A3 153 25 |
| B4X61A-00-19                       |           |
| B4X64A-                            | A3 163 69 |
| B4X65A                             | A3 153 45 |
| B4X67A                             | A3 169 65 |
| B4X67Z                             | A3 169 65 |
| B4X69A                             |           |
| B4X71BT                            | A3 153 25 |



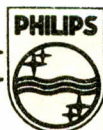


## PHILIPS SERVICE

Type nr. app.

Code nummer  
originele trafo

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|------------------------|-----------------------|
| B4X72A-00-13           | A3 153 69             |
| B4X73A                 | A3 152 92             |
| B4X76BT                | A3 153 25             |
| B4X77A                 | A3 152 92             |
| B5X65Z                 | A3 169 65             |
| B5X66A                 | A3 153 34             |
| B5X75A                 | A3 153 45             |
| B6X62A-00-06-19-32-52- | A3 153 62 + A3 153 47 |
| B6X63A-00-19-32-38     | A3 153 62 + A3 153 47 |
| B6X79B                 | A3 169 35             |
| B7X65A                 | A3 153 29 + A3 153 30 |
| F5X61A-00-01-54        | A3 153 62 + A3 153 47 |
| F6X62A-                | A3 153 62 + A3 153 47 |
| F6X63A-00-59           | A3 153 14             |
| F6X66A-01-61-62        | A3 153 29 + A3 153 30 |
| F6X67A-01-61-62        | A3 153 29 + A3 153 30 |
| F7X64A-04-64           | A3 153 62 + A3 153 47 |
| F7X65A-00-01-04-61-64  | A3 153 28             |
| F7X66A-04-64           | A3 153 28             |
| H4X64A-00-01           | A3 152 92             |
| H4X68A-00-60           | A3 153 45             |
| H4X74A-00-01           | A3 153 61             |
| H4X75BT                | A3 153 25             |
| H5X68A-00-60           |                       |
| H5X75A                 | A3 153 67             |
| L3X71T                 | A3 153 25             |
| L4X60BT-00-04-         | A3 153 25             |
| L4X65BT-00-04-         | A3 153 25             |
| L4X70BT-               | A3 153 25             |
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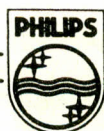


## PHILIPS SERVICE

Type nr. app.

Codenummer  
Originele trafo

|                       |           |
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| MD 1000 B-01          | A3 153 24 |
| MD 1007 U-16-66       | A3 169 07 |
| MD 1051 U             | A3 169 07 |
| MD 1057 B-04-72       | A3 169 78 |
| MD 1057 B             | A3 153 24 |
| MD 1057 U-04-62-63    | A3 169 07 |
| MD 1501 B-00-01-05-06 | A3 152 52 |
| MD 1501 U-00-10-79-99 | A3 151 99 |
| MD 1502 U             | A3 151 99 |
| MD 1504 B             | A3 169 39 |
| MD 1504 U             | A3 169 07 |
| MD 1504 U-01-71-      | A3 169 07 |
| MD 1504 U-19-69       | A3 151 99 |
| MD 1504 U-70          | A3 169 57 |
| MD 1507 U-00-01       | A3 169 07 |
| MD 1507 U-19-69-89-99 | A3 151 99 |
| MD 1508 B-00-05       | A3 152 52 |
| MD 1508 U-00-19-99    | A3 151 99 |
| MD 1510 U-            | A3 151 99 |
| MD 1551 B-00-04       | A3 169 42 |
| MD 1551 U-00-10       | A3 169 07 |
| MD 1557 B-63-72       | A3 169 78 |
| MD 1557 U-62-63       | A3 169 07 |
| MD 1558 B-            | A3 169 42 |
| MD 1558 U             | A3 169 07 |
| MD 2002 A-19          | A3 152 18 |
| MD 2063 A-07          | A3 169 65 |
| MD 2063 Z-00-07       | A3 169 65 |
| MD 2502 A-00-50-64    | A3 152 18 |
| MD 2502 U-            | A3 152 62 |
| MD 2510 B-00-05       | A3 152 52 |
| MD 2552 A             | A3 169 22 |
| MD 2552 U-            | A3 169 47 |
| MD 2552 Z             | A3 169 22 |
| MD 2553 A             | A3 169 22 |
| MD 2556 A             | A3 169 65 |
| MD 2562 Z             | A3 169 65 |
| MD 3502 A-00-50       | A3 152 18 |
| MD 3524 A-19          | A3 152 99 |
| MD 3529 A-16          |           |
| MD 3551 A             | A3 169 22 |
| MD 3552 A             | A3 169 22 |
| MD 3552 Z             | A3 169 22 |
| MD 4006 A             | A3 169 57 |
| MD 4056 A             | A3 169 57 |





## PHILIPS SERVICE

Type nr. app.

Codenummer

Originele trafo

|                     |           |
|---------------------|-----------|
| MD 4556 A           | A3 169 57 |
| MD 6555 AB-00-69-89 | A3 152 74 |
| MD 6556 AB-00-65    | A3 152 74 |
| MD 7501 V-06-12     | A3 152 48 |
| MD 7502 V-06-12     | A3 153 19 |
| MD 7551 V-          | A3 169 38 |
| MD 7552 V-06-12     | A3 153 19 |
| MD 8505 A           | A3 151 99 |
| MD 8506 A           | A3 169 58 |
| MD 8509 A           | A3 169 58 |

|                         |           |
|-------------------------|-----------|
| NX 344 V-00-10-12-17-22 | A3 152 96 |
| NX 346 V-00-02-10-54    | A3 153 11 |
| NX 524 V-06-12          | A3 152 48 |
| NX 526 V-06-12          | A3 169 38 |
| NX 527 V-06-12          | A3 169 38 |
| NX 554 V-06-12          | A3 152 48 |
| NX 556 V-06-12          | A3 169 38 |
| NX 624 V-06-12-24       | A3 152 47 |
| NX 626 V-06-12          | A3 169 16 |
| NX 627 V-06-12          | A3 169 16 |
| NX 634 V-06-12-24       | A3 153 19 |
| NX 636 V-06-12          | A3 153 19 |
| NX 644 V-00-01          | A3 163 19 |
| NX 646 V-               | A3 153 19 |
| NX 713 V                | A3 152 06 |
| NX 724 V-00-24          | A3 152 47 |
| NX 726 V-               | A3 152 47 |
| NX 744 V-00-01          | A3 153 19 |

|                                                   |           |
|---------------------------------------------------|-----------|
| SA 1000 B-63-75                                   | A3 169 39 |
| SA 1000 B-01-64-69                                | A3 153 24 |
| SA 1000 U-00-01-62-63-70-71-72-73-<br>75-76-95-96 | A3 169 07 |
| SA 1000 U-19-69-98-99                             | A3 151 99 |
| SA 1001 B-00-01-05-06                             | A3 152 52 |
| SA 1001 U-00-10-79-89-99                          | A3 151 99 |
| SA 1007 U-00-01-                                  | A3 169 07 |
| SA 1007 U-19-69-89-99                             | A3 151 99 |
| SA 1010 B-00-05-36                                | A3 152 52 |
| SA 1010 U-00-10-19-32-36-79-99                    | A3 151 99 |
| SA 1014 B-00-36                                   | A3 153 24 |
| SA 1014 B-01                                      | A3 152 52 |
| SA 1014 U-00                                      | A3 151 99 |
| SA 1051 B-01                                      | A3 169 42 |





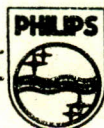
## PHILIPS SERVICE

Type nr. app.

Code nummer

Originele trafo

|                       |           |
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| SA 1057 B-63-72-75-77 | A3 169 78 |
| SA 1057 U-62-63-95-96 | A3 169 07 |
| SA 1059 B-95-97       | A3 153 25 |
| SA 1060 B-00-04       | A3 169 42 |
| SA 1060 U             | A3 169 77 |
| SA 1064 B-00          | A3 153 24 |
| SA 1064 B-01          | A3 169 42 |
| SA 1064 U-            | A3 169 77 |
| SA 1080 B-00-59       | A3 153 24 |
| SA 1501 U-00-99       | A3 151 99 |
| SA 1507 U-89          | A3 151 99 |
| SA 2002 A-32-50-64    | A3 152 18 |
| SA 2002 U             | A3 152 62 |
| SA 2010 B-00-05-36    | A3 152 52 |
| SA 2011 B             | A3 152 52 |
| SA 2012 A-32-64       | A3 152 92 |
| SA 2012 A-36          | A3 152 78 |
| SA 2013 A-00-32       | A3 152 78 |
| SA 2014 A-64          | A3 152 18 |
| SA 2014 B-00-01       | A3 153 25 |
| SA 2024 A-00-09       | A3 152 78 |
| SA 2025 A             | A3 152 78 |
| SA 2026 A-00-64       | A3 152 78 |
| SA 2029 A-00-52       | A3 152 92 |
| SA 2030 B-00-10-12    | A3 153 24 |
| SA 2039 A-            | A3 153 45 |
| SA 2052 A             | A3 169 22 |
| SA 2052 U             | A3 169 47 |
| SA 2052 Z             | A3 169 22 |
| SA 2060 B-00-02       | A3 169 42 |
| SA 2061 B             | A3 169 42 |
| SA 2062 A             | A3 169 65 |
| SA 2062 A             | A3 169 65 |
| SA 2062 Z             | A3 169 65 |
| SA 2063 A             | A3 169 65 |
| SA 2063 Z             | A3 169 65 |
| SA 2064 A             | A3 169 22 |
| SA 2064 B-00          | A3 153 24 |
| SA 2064 B-01          | A3 169 42 |
| SA 2066 A             | A3 169 71 |
| SA 2068 B-00-01       | A3 169 35 |
| SA 2073 A             | A3 169 65 |
| SA 2073 Z             | A3 169 65 |
| SA 2080 B-00-12       | A3 153 24 |





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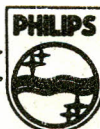
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| SA 2089 A           | A3 153 45             |
| SA 2502 A-19        | A3 152 18             |
| SA 2552 A-00-21     | A3 169 22             |
| SA 2552 Z           | A3 169 22             |
| SA 3002 A-00-32-50  | A3 152 18             |
| SA 3008 A-13        | A3 153 69             |
| SA 3010 A           | A3 152 92             |
| SA 3013 A-00-32     | A3 152 78             |
| SA 3014 A-64-       | A3 152 18             |
| SA 3016 A-38        | A3 152 78             |
| SA 3024 A-00-19     | A3 152 99             |
| SA 3040 A           | A3 153 61             |
| SA 3052 A           | A3 169 22             |
| SA 3052 Z           | A3 169 22             |
| SA 3060 B           | A3 169 35             |
| SA 3063 A           | A3 169 65             |
| SA 3064 A           | A3 169 22             |
| SA 3066 A           | A3 169 71             |
| SA 3552 A           | A3 169 22             |
| SA 4003 A-00-12     | A3 169 58             |
| SA 4006 A-          | A3 169 57             |
| SA 4027 A-00-32     | A3 153 62 + A3 153 47 |
| SA 4055 A           | A3 153 45             |
| SA 4056 A           | A3 169 57             |
| SA 6006 AB-00-19    | A3 152 74             |
| SA 6007 BT-         | A3 153 25             |
| SA 6055 AB-00-89    | A3 152 74             |
| SA 6056 AB-00-64-65 | A3 152 74             |
| SA 6056 AB-01-      | A3 169 62             |
| SA 6057 BT          | A3 153 25             |
| SA 7001 V-06-12     | A3 152 48             |
| SA 7002 V-06-12     | A3 153 19             |
| SA 7010 V           | A3 153 52             |
| SA 7051 V-06-12     | A3 169 38             |
| SA 7052 V-06-12     | A3 153 19             |
| SA 8004 A           | A3 152 64             |
| SA 8005 A           | A3 151 99             |
| SA 8006 A           | A3 169 58             |
| SA 8009 A           | A3 169 58             |
| SA 8013 A-          | A3 153 61             |
| SA 8020 A-00-01     | A3 153 61             |
| SA 8041 A-          | A3 152 99 + A3 153 14 |
| SA 8085 A-00-01-61  | A3 153 67             |

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